

# BEEFMASTER

## GENOMIC BREEDING VALUE REPORT

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**BEEFMASTER**  
CATTLE BREEDERS' SOCIETY OF SA  
BEESTELERSGENOOTSAP VAN SA



# EBVs, EBVi's and GEBVs

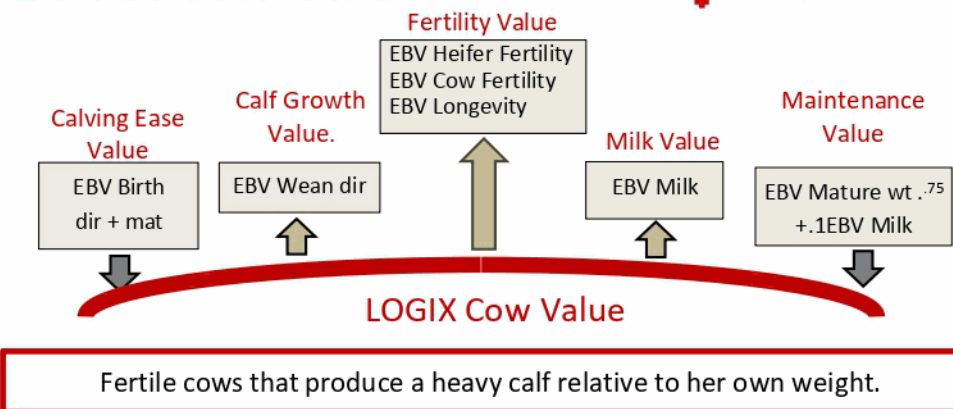
**EBVi (Breeding Value Index):** Genetic potential relative to the average (100) of the live (active) animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100, depending on the trait, tend to be in the more favourable direction.

**EBV (Breeding Value):** Genetic potential relative to the average of the animals born in the base year (1990), expressed in the unit of measurement.

**GEBV (Genomic Breeding Value)** Interpreted like the EBVi. (GEBV = EBV + Genomic information)

**LOGIX Selection values** combine different breeding values in a logical way. For example, Heifer Fertility (how early a heifer starts calving), Cow Fertility (how regular she calves) and Longevity (retention within the family) are combined to form the Fertility Value.

## LOGIX Cow Value



## Selection Values

### LOGIX Cow Value



Selecting for:

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

### LOGIX Growth Value



Select for efficient growers on veld and in feedlot, as measured in Phase C and D Growth Tests.

### LOGIX Carcass Value



Select for more meat on the carcass as measured from end weight in Phase C and D Growth Tests and RTU scanning.

### LOGIX Production Value



80% LOGIX Cow Value +  
20% LOGIX Growth Value

## How to use the Cow Value

Selection values should be compatible with your selection goal.

### AVERAGE ANIMALS

(NO GROWTH EXTREMES)

- Selection Values 90 to 110
  - Cow Value and Fertility Value average to high
- A safe choice, as animals are profitable in most environments.

### GROWERS

(GOOD ENVIRONMENT)

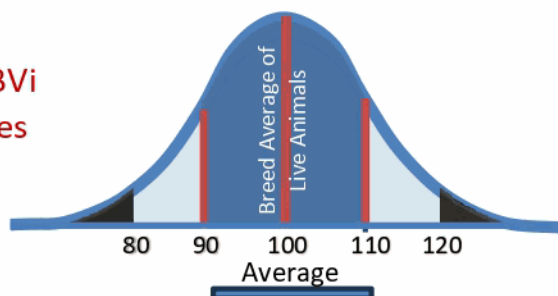
- WeanerCalf / Growth Value > 120
  - Cow Value and Fertility Value average to high
- Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

### LOW- MAINTENANCE ANIMALS

(HARSH ENVIRONMENT)

- Maintenance Value >110
  - Cow Value and Fertility Value average to high
- Lighter cows have a lower maintenance.

## Interpretation of EBVi and Selection Values



## Examples

| Type of Animal  | Cow Value | Calving Ease V | Weaner Calf V | Milk Value | Maint. Value | Fertility Value |
|-----------------|-----------|----------------|---------------|------------|--------------|-----------------|
| Average         | Med-High  | Avg            | Avg           | Avg        | Avg          | Med-High        |
| Grower          | Med-High  |                | High          |            |              | Med-High        |
| Low Maintenance | Med-High  |                |               |            | High         | Med-High        |

# Contemporary Groups

The correct composition of contemporary groups is one of the cornerstones of BLUP breeding value estimation. Breeding values are estimated from the differences between animals exposed to the same environment, **as these differences are caused by genetics**. The following aspects are important:

## 1. Animals at the same time, place and treatment

A contemporary group is a comparable group of animals measured at the same time in the same environment. It is therefore a comparable group of animals that were together on the same farm or camp in the same year and season. If there are animals in the group that were treated differently, they should be given a separate treatment code because their performance is influenced by other environmental influences than the rest of the group. Examples of possible different treatments are when some animals received supplements or creep feed, sale or show animals, embryo donors, sick or foster calves or even purchased cows and calves. If bull and heifer calves or older cows and young heifers were in the same camp, they should be placed in the same group – corrections for sex, age and first calving of cows are automatically made during breeding value estimation.

## 2. Progeny of at least two sires, of which one is a link sire

The progeny of different sires needs to be compared in the same group in order to determine the sires' genetic merit relative to each other. At least one sire should be a link sire with progeny in other herds. Genetic links between herds are used to determine the position of sires in the breed. All sires are good link sires. Smaller herds could artificially inseminate some cows or allow some cows to be covered by another herd's bull.

## 3. Larger groups stabilise Breeding Values

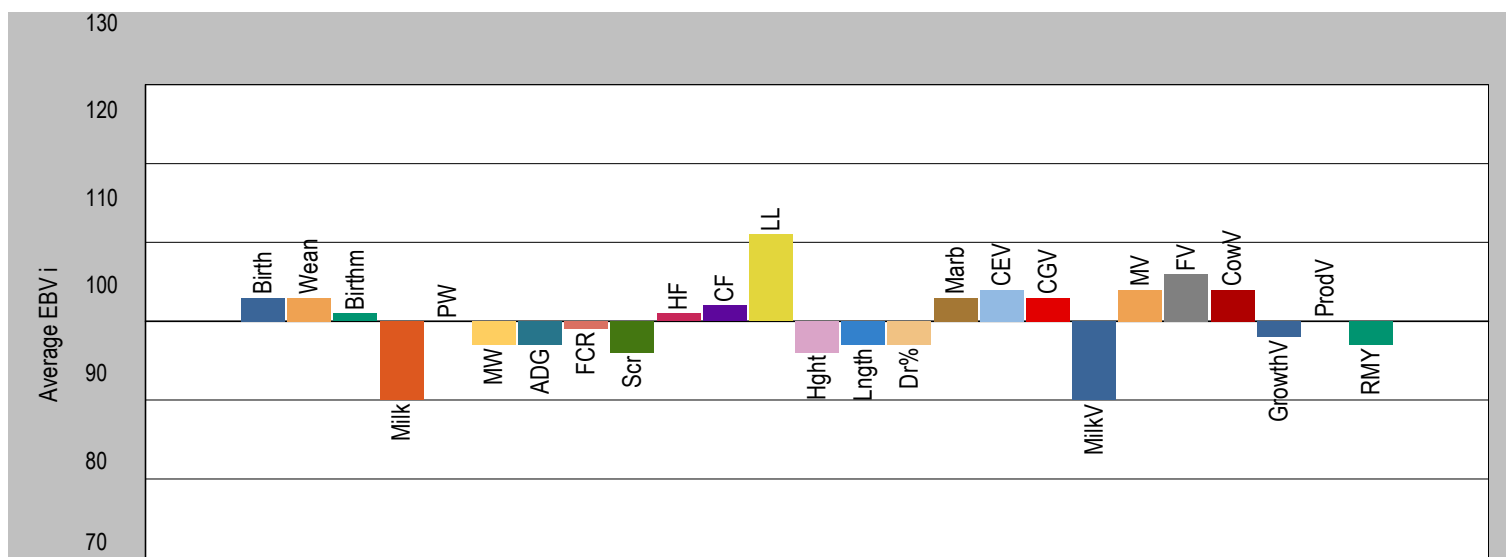
Larger groups result in more accurate and stable breeding values, as the mean and distribution of the group can be more accurately determined and are thus more representative. Groups should preferably have more than 5 animals. Weigh all the animals in the same group on the same day, as corrections for age differences are made during genetic evaluation. The use of breeding seasons rather than through the year calving will also increase contemporary group size. Groups with less than 3 animals are not included in breeding value estimation. An accidental mistake in a small group affects the animal itself, its family, all the other animals in the group and their families. The effect could be much less in large groups.

## 4. Measure all animals in the contemporary group

Weigh ALL the animals in the contemporary group, the good as well as the poor performers. Weigh animals before they are culled, so their parents can be penalized for their poor breeding.



## 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    | EMA:   | Eye Muscle Area  |
| 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 |
|-----------------|------------------|----------|-----------|-----------|
| Prewrite Growth | Birth Weight     | 0.13     | 103       | 0.34      |
|                 | Wean Weight      | 13.9     | 103       | 12.1      |
|                 | Birth Mat.       | -0.11    | 101       | -0.05     |
|                 | Milk (Wn.Mat.)   | -4.2     | 90        | -1.4      |
| Postwean Growth | Postwean Wt      | 18.8     | 100       | 19.0      |
|                 | Mature Weight    | 3        | 97        | 7         |
|                 | ADG              | 62       | 97        | 72        |
|                 | FCR              | -38      | 99        | -39       |
| Fertility       | Scrotal Circumf. | 8.8      | 96        | 11.1      |
|                 | Heifer Fertility | -8.6     | 101       | -7.5      |
|                 | Cow Fertility    | -4.5     | 102       | -4.1      |
|                 | Longevity        | 21.4     | 111       | 14.8      |
| Frame           | Height           | -1       | 96        | 1         |
|                 | Length           | 11       | 97        | 13        |
| Carcass         | EMA              | 0.56     | 97        | 0.85      |
|                 | Fat              | 0.15     | 101       | 0.11      |
|                 | Marbling         | 0.45     | 103       | 0.30      |

| Selection Value  | Ave. Herd |
|------------------|-----------|
| Calving Ease     | 104       |
| Calf Growth      | 103       |
| Milk             | 90        |
| Maintenance      | 104       |
| Fertility        | 106       |
| Cow Value        | 104       |
| Growth Value     | 98        |
| Production Value | 100       |
| Carcass Value    | 97        |

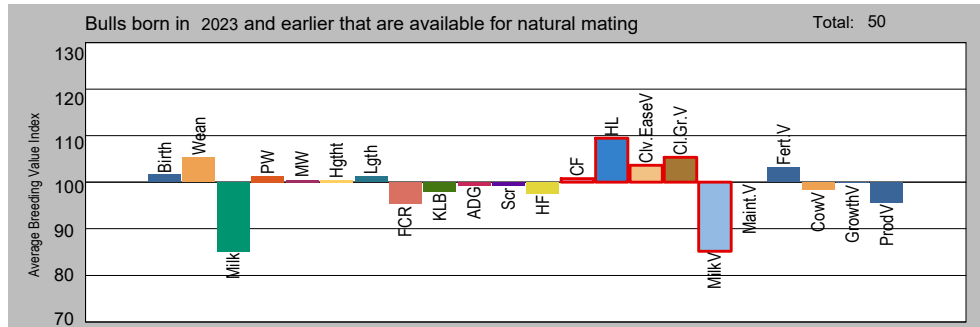
- Average of live animals in the breed: 100
- Above 100: **more favourable**,
- Below 100: **less favourable**

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

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

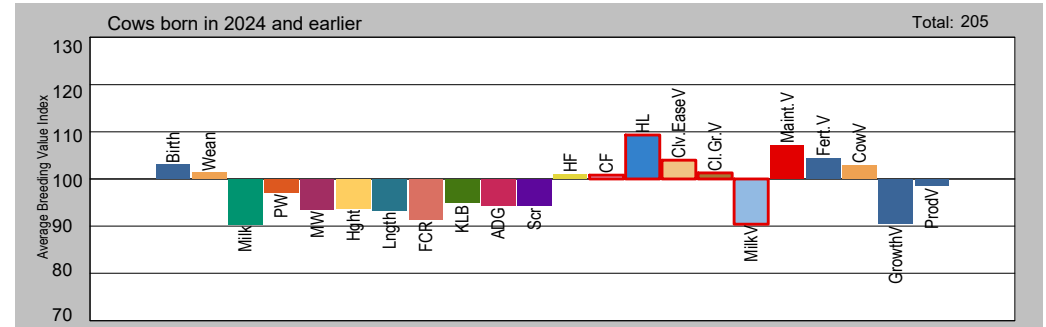
# Genetic Windows

## Bulls on the farm



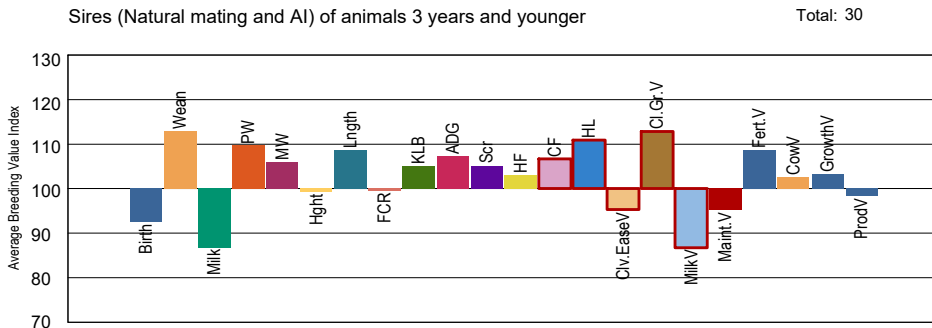
## Animals available for breeding

## Cow Herd

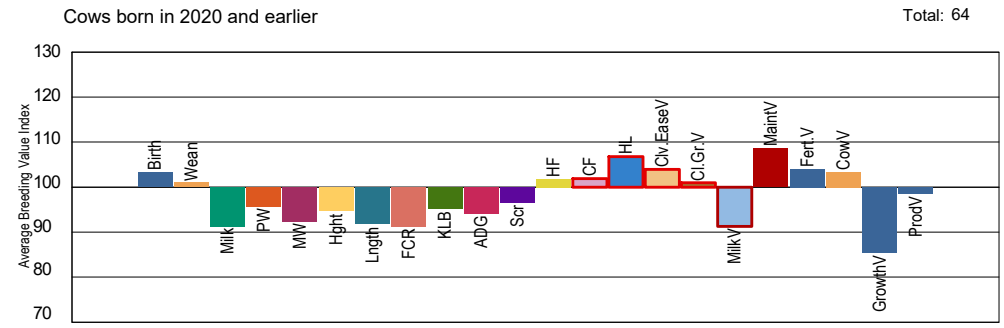


## Results of previous selection decisions

### Sires of young animals

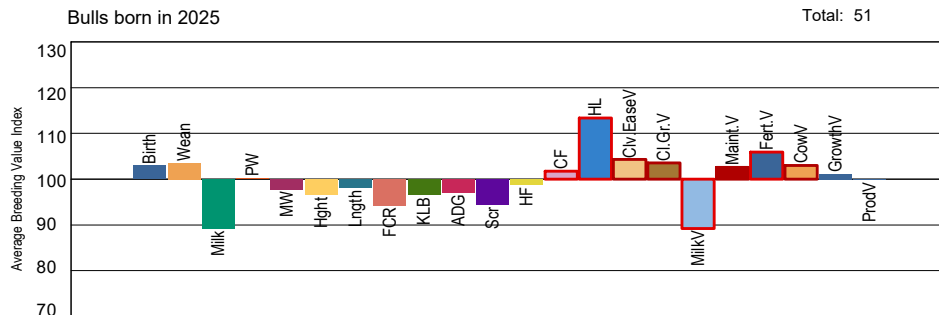


### Cows older than 6 years

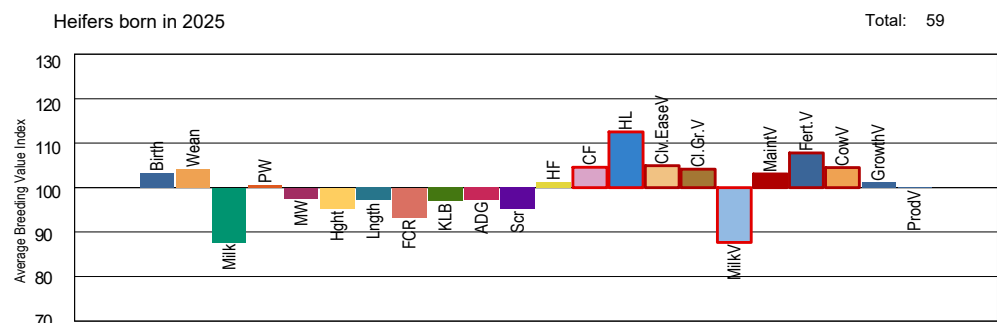


## Selection possibilities

### Bull calves



### Heifer calves

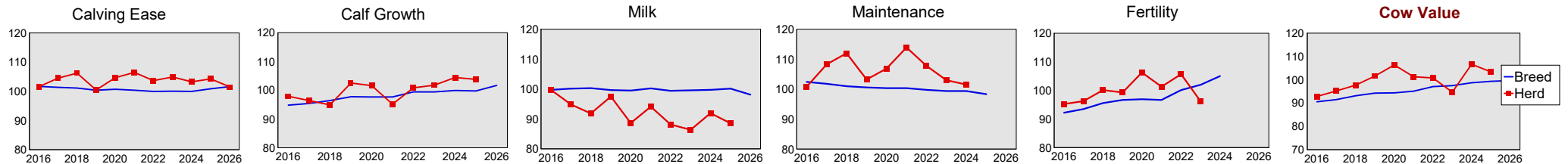


## Summary of Cow Herd

|                        |          |                   | 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                   | 99         | 100  | 101    | 100       | 100       | 99           | 100        | 100          | 99          | 99         | 100           | 99                  | 99            | 99  | 99      | 99               | 99               | 100           | 100       | 100    | 99     | 99 |
| 2013                   | 2        | ★★★★☆             | 106                   | 95         | 99   | 115    | 98        | 104       |              |            | 103          | 95          | 110        | 99            | 94                  | 89            | 87  | 89      | 87               | 96               | 102           | 99        | 89     | 81     |    |
| 2014                   | 2        | ★★★☆☆             | 114                   | 88         | 72   | 121    | 96        | 87        | 75           | 85         | 109          | 88          | 109        | 72            | 88                  | 82            | 77  | 82      | 77               | 99               | 86            | 107       | 78     | 78     |    |
| 2015                   | 3        | ★★★★★             | 97                    | 102        | 110  | 104    | 111       | 114       | 92           | 110        | 98           | 102         | 96         | 110           | 95                  | 96            | 94  | 91      | 95               | 102              | 110           | 112       | 102    | 99     |    |
| 2016                   | 10       | ★★★★☆             | 101                   | 98         | 92   | 107    | 105       | 102       |              |            | 104          | 98          | 90         | 92            | 92                  | 94            | 96  | 97      | 100              | 104              | 106           | 103       | 99     | 93     |    |
| 2017                   | 10       | ★★★★☆             | 108                   | 96         | 89   | 109    | 104       | 102       | 102          | 105        | 106          | 96          | 104        | 89            | 92                  | 92            | 92  | 94      | 94               | 103              | 96            | 112       | 92     | 89     |    |
| 2018                   | 13       | ★★★★☆             | 105                   | 98         | 92   | 110    | 103       | 100       | 83           | 106        | 104          | 98          | 100        | 92            | 93                  | 91            | 91  | 92      | 94               | 102              | 98            | 108       | 93     | 91     |    |
| 2019                   | 18       | ★★★★☆             | 100                   | 104        | 100  | 104    | 100       | 103       |              |            | 100          | 104         | 98         | 100           | 97                  | 96            | 100 | 101     | 103              | 93               | 101           | 107       | 102    | 97     |    |
| 2020                   | 13       | ★★★★☆             | 108                   | 101        | 81   | 114    | 109       | 108       | 80           | 91         | 106          | 101         | 101        | 81            | 98                  | 88            | 91  | 92      | 92               | 110              | 108           | 106       | 86     | 87     |    |
| 2021                   | 26       | ★★★★☆             | 106                   | 98         | 95   | 113    | 103       | 106       | 90           | 99         | 107          | 98          | 93         | 95            | 95                  | 88            | 94  | 98      | 91               | 105              | 97            | 107       | 93     | 88     |    |
| 2022                   | 32       | ★★★★☆             | 106                   | 100        | 84   | 112    | 107       | 104       | 89           | 106        | 104          | 100         | 103        | 84            | 96                  | 90            | 89  | 89      | 89               | 100              | 104           | 112       | 88     | 89     |    |
| 2023                   | 43       | ★★★★              | 104                   | 102        | 87   | 103    | 101       | 96        | 95           | 92         | 102          | 102         | 104        | 87            | 97                  | 97            | 95  | 93      | 96               | 94               | 97            | 111       | 97     | 97     |    |
| 2024                   | 41       | ★★★★☆             | 101                   | 104        | 95   | 102    | 108       | 106       | 96           | 97         | 100          | 104         | 101        | 95            | 102                 | 98            | 99  | 99      | 96               | 105              | 103           | 110       | 94     | 99     |    |
| 2025                   | 59       | ★★★★☆             | 105                   | 104        | 88   | 103    | 108       | 104       | 101          | 100        | 103          | 104         | 103        | 88            | 101                 | 98            | 97  | 97      | 95               | 101              | 105           | 113       | 95     | 97     |    |
| 2026                   | 21       | ★★★★☆             | 102                   | 106        | 92   | 101    | 105       | 104       | 107          | 99         | 102          | 106         | 98         | 92            | 103                 | 99            | 101 | 100     | 101              | 102              | 100           | 111       | 98     | 100    |    |
| Cows in Herd Average:  |          |                   | 105                   | 100        | 91   | 108    | 104       | 103       | 92           | 99         | 103          | 100         | 101        | 91            | 96                  | 93            | 93  | 94      | 94               | 101              | 101           | 108       | 93     | 92     |    |

# 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.



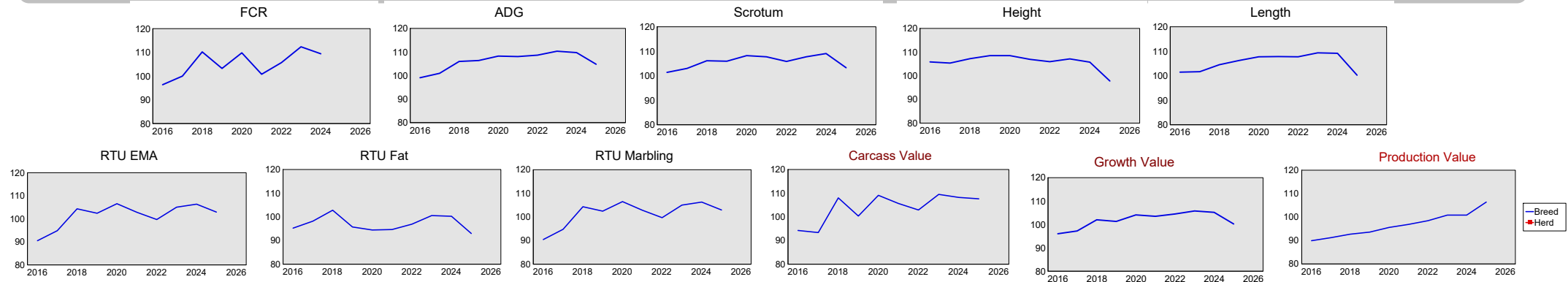
## Herd

| Birth Year | Calving Ease |       |            |         | Calf Growth |                |      | Milk        |                |     | Maintenance |                 |     |               | Fertility |             |              |       |           |      | Cow Value |           |     |           |
|------------|--------------|-------|------------|---------|-------------|----------------|------|-------------|----------------|-----|-------------|-----------------|-----|---------------|-----------|-------------|--------------|-------|-----------|------|-----------|-----------|-----|-----------|
|            | Birth Weight |       | Calv. Ease | Dir EBV | Mat EBV     | Weaning Weight |      | Calf Growth | Milk (Wn.Mat.) |     | Milk        | 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 |           |
| 2016       | 94           | 0.05  | 0.22       | 102     |             | 88             | 10.9 | 98          |                | 88  | -1.49       | 100             | 57  | 14.7          |           | 101         | 18           | -3.2  | 14        | -4.0 | 78        | 8.1       | 95  | 93        |
| 2017       | 71           | 0.00  | -0.03      | 104     |             | 51             | 10.0 | 96          |                | 51  | -2.87       | 95              | 45  | 12.2          |           | 108         | 17           | -4.4  | 12        | -3.6 | 62        | 10.6      | 96  | 95        |
| 2018       | 83           | -0.09 | -0.09      | 106     |             | 65             | 9.2  | 95          |                | 65  | -3.71       | 92              | 46  | 12.0          |           | 112         | 22           | -7.1  | 19        | -3.7 | 68        | 11.8      | 100 | 98        |
| 2019       | 88           | 0.27  | 0.05       | 100     |             | 67             | 13.6 | 103         |                | 67  | -2.14       | 97              | 61  | 16.5          |           | 103         | 24           | -2.9  | 22        | -4.2 | 74        | 13.7      | 99  | 102       |
| 2020       | 56           | 0.03  | -0.08      | 105     |             | 45             | 13.1 | 102         |                | 45  | -4.63       | 89              | 40  | 18.3          |           | 107         | 17           | -15.3 | 10        | -4.6 | 50        | 15.7      | 106 | 106       |
| 2021       | 102          | -0.33 | 0.23       | 106     |             | 86             | 9.3  | 95          |                | 86  | -3.09       | 94              | 78  | 13.0          |           | 114         | 35           | -9.6  | 26        | -3.2 | 80        | 13.9      | 101 | 101       |
| 2022       | 118          | 0.11  | -0.07      | 104     |             | 96             | 12.6 | 101         |                | 96  | -4.74       | 88              | 72  | 15.0          |           | 108         | 36           | -8.1  | 1         | -7.5 | 49        | 12.6      | 106 | 101       |
| 2023       | 150          | 0.15  | -0.26      | 105     |             | 130            | 13.2 | 102         |                | 130 | -5.25       | 86              | 118 | 17.0          |           | 103         | 20           | 1.5   |           |      |           |           | 96  | 95        |
| 2024       | 160          | 0.24  | -0.25      | 103     |             | 120            | 14.7 | 104         |                | 120 | -3.69       | 92              | 92  | 20.5          |           | 102         |              |       |           |      |           |           |     | 107       |
| 2025       | 109          | 0.10  | -0.14      | 104     |             | 100            | 14.3 | 104         |                | 100 | -4.63       | 89              |     |               |           |             |              |       |           |      |           |           |     | 103       |
| 2026       | 51           | 0.20  | 0.06       | 101     |             |                |      |             |                |     |             |                 |     |               |           |             |              |       |           |      |           |           |     |           |

## Breed

| Birth Year | Calving Ease |      |            |         | Calf Growth |                |             | Milk           |        |                 | Maintenance |               |        |             |              |        | Fertility |        |           |        |           |       | Cow Value |        |     |
|------------|--------------|------|------------|---------|-------------|----------------|-------------|----------------|--------|-----------------|-------------|---------------|--------|-------------|--------------|--------|-----------|--------|-----------|--------|-----------|-------|-----------|--------|-----|
|            | Birth Weight |      | Calv. Ease | Dir EBV | Mat EBV     | 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   |           | Number | EBV |
| 2016       | 13219        | 0.14 | 0.07       | 102     |             | 12679          | 9.1         | 95             |        | 12679           | -1.48       | 100           | 8440   | 15.3        | 1794         | 3      | 102       | 3547   | -3.4      | 2382   | -3.3      | 17317 | 7.0       | 92     | 91  |
| 2017       | 13995        | 0.13 | 0.10       | 101     |             | 13543          | 9.5         | 95             |        | 13543           | -1.37       | 100           | 9155   | 16.1        | 1876         | 5      | 102       | 3705   | -3.9      | 2610   | -3.3      | 17744 | 7.7       | 93     | 92  |
| 2018       | 14638        | 0.19 | 0.05       | 101     |             | 14085          | 10.0        | 96             |        | 14085           | -1.34       | 100           | 9471   | 16.9        | 2043         | 6      | 101       | 3752   | -4.9      | 2671   | -3.5      | 18478 | 8.4       | 96     | 93  |
| 2019       | 14156        | 0.27 | 0.02       | 100     |             | 13892          | 10.8        | 98             |        | 13892           | -1.52       | 100           | 9219   | 18.0        | 2528         | 6      | 101       | 4491   | -5.8      | 3152   | -3.8      | 18218 | 9.0       | 97     | 94  |
| 2020       | 15148        | 0.25 | 0.00       | 101     |             | 15376          | 10.8        | 98             |        | 15376           | -1.55       | 99            | 10390  | 17.9        | 2588         | 6      | 100       | 4524   | -5.8      | 3018   | -3.8      | 19306 | 9.7       | 97     | 94  |
| 2021       | 16009        | 0.27 | 0.04       | 100     |             | 16004          | 10.8        | 98             |        | 16004           | -1.35       | 100           | 10852  | 18.0        | 2635         | 6      | 100       | 4750   | -5.2      | 2794   | -3.8      | 18490 | 8.9       | 97     | 95  |
| 2022       | 17601        | 0.32 | -0.01      | 100     |             | 16942          | 11.8        | 99             |        | 16942           | -1.58       | 99            | 11576  | 19.5        | 2295         | 8      | 100       | 4355   | -6.7      | 1065   | -4.2      | 8636  | 9.8       | 100    | 97  |
| 2023       | 18573        | 0.32 | -0.02      | 100     |             | 18307          | 11.8        | 99             |        | 18307           | -1.53       | 100           | 11750  | 19.7        | 741          | 11     | 99        | 2183   | -7.2      | 100    | -4.8      |       |           | 102    | 98  |
| 2024       | 18117        | 0.35 | -0.05      | 100     |             | 16963          | 12.1        | 100            |        | 16963           | -1.48       | 100           | 9904   | 20.0        | 3            | 6      | 99        | 166    | -7.7      |        |           |       |           | 105    | 99  |
| 2025       | 17947        | 0.27 | -0.03      | 101     |             | 15468          | 12.0        | 100            |        | 15468           | -1.38       | 100           | 2468   | 22.0        |              |        | 98        |        |           |        |           |       |           |        | 99  |
| 2026       | 5644         | 0.19 | 0.00       | 102     |             | 192            | 13.1        | 102            |        | 192             | -1.95       | 98            |        |             |              |        |           |        |           |        |           |       |           |        | 100 |

# Genetic Trends for Growth Test Traits



## Herd

| Birth Year | Growth |     |      |        |     |      |         |     |      | Frame  |     |      |        |     |      | Carcass    |     |      |     |      |          | Selection Values |               |              |            |
|------------|--------|-----|------|--------|-----|------|---------|-----|------|--------|-----|------|--------|-----|------|------------|-----|------|-----|------|----------|------------------|---------------|--------------|------------|
|            | FCR    |     |      | ADG    |     |      | Scrotum |     |      | Height |     |      | Length |     |      | EMA        |     |      | Fat |      | Marbling |                  | Carcass Value | Growth Value | Prod Value |
|            | Number | EBV | EBVi | Number | EBV | EBVi | Number  | EBV | EBVi | Number | EBV | EBVi | Number | EBV | EBVi | RTU Number | EBV | EBVi | EBV | EBVi | EBV      | EBVi             |               |              |            |
| 2017       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2018       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2019       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2020       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2021       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2022       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2023       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2024       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2025       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |
| 2026       |        |     |      |        |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |

## Breed

| Birth Year | Growth |     |      |        |     |      |         |      |      | Frame  |     |      |        |     |      | Carcass       |      |      |       |      |          |      |                 | Selection Values |               |  |
|------------|--------|-----|------|--------|-----|------|---------|------|------|--------|-----|------|--------|-----|------|---------------|------|------|-------|------|----------|------|-----------------|------------------|---------------|--|
|            | FCR    |     |      | ADG    |     |      | Scrotum |      |      | Height |     |      | Length |     |      | RTU<br>Number | EMA  |      | Fat   |      | Marbling |      | Cracss<br>Value | Growth<br>Value  | Prod<br>Value |  |
|            | Number | EBV | EBVi | Number | EBV | EBVi | Number  | EBV  | EBVi | Number | EBV | EBVi | Number | EBV | EBVi |               | EBV  | EBVi | EBV   | EBVi | EBV      | EBVi |                 |                  |               |  |
| 2017       | 62     | -38 | 100  | 1015   | 76  | 101  | 979     | 12.8 | 103  | 953    | 4   | 105  | 953    | 15  | 102  | 101           | 0.00 | 91   | 0.00  | 98   | 0.00     | 95   | 93              | 97               | 91            |  |
| 2018       | 16     | -50 | 110  | 835    | 94  | 106  | 830     | 14.6 | 106  | 830    | 6   | 107  | 830    | 18  | 105  | 33            | 1.18 | 103  | 0.28  | 103  | 0.55     | 104  | 108             | 102              | 93            |  |
| 2019       | 13     | -43 | 103  | 772    | 95  | 106  | 773     | 14.5 | 106  | 767    | 6   | 108  | 766    | 19  | 106  | 32            | 0.58 | 97   | -0.14 | 96   | 0.44     | 102  | 100             | 101              | 94            |  |
| 2020       | 15     | -50 | 110  | 1035   | 102 | 108  | 1026    | 15.8 | 108  | 960    | 6   | 108  | 960    | 21  | 108  | 60            | 1.56 | 107  | -0.22 | 94   | 0.67     | 107  | 109             | 104              | 96            |  |
| 2021       | 20     | -40 | 101  | 1162   | 102 | 108  | 1151    | 15.5 | 108  | 1048   | 5   | 107  | 1048   | 21  | 108  | 148           | 1.41 | 106  | -0.20 | 95   | 0.46     | 103  | 106             | 104              | 97            |  |
| 2022       | 20     | -45 | 106  | 1222   | 104 | 109  | 1266    | 14.4 | 106  | 1115   | 5   | 106  | 1115   | 21  | 108  | 147           | 1.11 | 103  | -0.08 | 97   | 0.28     | 100  | 103             | 104              | 99            |  |
| 2023       | 10     | -52 | 112  | 1270   | 110 | 110  | 1263    | 15.5 | 108  | 1127   | 5   | 107  | 1127   | 22  | 109  | 250           | 1.52 | 107  | 0.14  | 101  | 0.58     | 105  | 109             | 106              | 101           |  |
| 2024       | 11     | -49 | 109  | 918    | 108 | 110  | 945     | 16.3 | 109  | 790    | 5   | 106  | 790    | 22  | 109  | 127           | 1.57 | 107  | 0.12  | 100  | 0.66     | 106  | 108             | 105              | 101           |  |
| 2025       |        |     |      | 54     | 90  | 105  | 58      | 13.0 | 103  | 58     | 0   | 98   | 58     | 14  | 100  | 25            | 1.70 | 109  | -0.30 | 93   | 0.47     | 103  | 108             | 100              | 106           |  |
| 2026       |        |     |      |        |     |      |         |      |      |        |     |      |        |     |      |               |      |      |       |      |          |      |                 |                  |               |  |

Sires

| Bull        |                                                                                     |            |            | Selection Values |            |            |              |                 |           |              |            | Calf      |          | Dam        |           | Growth     |               |     |     | Fertility |                  |               |             | Frame  |        | Carcass |       |          | Measured Progeny |                 |     |
|-------------|-------------------------------------------------------------------------------------|------------|------------|------------------|------------|------------|--------------|-----------------|-----------|--------------|------------|-----------|----------|------------|-----------|------------|---------------|-----|-----|-----------|------------------|---------------|-------------|--------|--------|---------|-------|----------|------------------|-----------------|-----|
| ID          | Index<br>EBV<br>Acc                                                                 | Sire ID    | Dam ID     | Calv. Ease       | Calf Grwth | Milk Value | Maint. Value | Fertility Value | Cow Value | Growth Value | Prod Value | Birth Dir | Wean Dir | Birth Mat. | Wean Mat. | Post wn wt | Mature weight | ADG | FCR | Scrotal   | Heifer Fertility | Cow Fertility | Long-evi ty | Height | Length | EMA     | Fat   | Marbling | Birth Grwth Test | Wean Dgt/Calvs. |     |
|             |                                                                                     |            |            | Value            | Value      |            |              |                 |           |              |            |           |          |            |           |            |               |     |     |           |                  |               |             |        |        |         |       |          |                  |                 |     |
| BC 160639   |    | BA 100010  | BP 130346  | 105              | 88         | 128        | 114          | 92              | 109       | 98           | 103        | 116       | 88       | 64         | 128       | 95         | 86            | 114 | 130 | 85        | 115              | 80            | 91          | 111    | 91     | 90      | 148   | 115      | 171              | 153             |     |
| BC160639    |                                                                                     |            |            | 96               | 97         | 93         | 86           | 90              | 85        | 88           | 86         | -0.96     | 5.2      | 1.37       | 6.4       | 15.0       | -9            | 122 | -72 | 2.6       | -19.4            | -0.1          | 9.2         | 8      | 5      | -0.14   | 2.90  | 1.17     | 3                | 41              | 86  |
| BOS 033044  |    | WO 980062  | BOS 999129 | 92               | 103        | 83         | 124          | 107             | 107       | 81           | 98         | 94        | 103      | 97         | 83        | 94         | 78            | 84  | 86  | 83        | 103              | 120           | 94          | 90     | 88     | 80      | 103   | 89       | 154              | 291             |     |
| BOS 03 3044 |                                                                                     |            |            | 98               | 98         | 97         | 93           | 96              | 88        | 92           | 89         | 98        | 98       | 96         | 97        | 97         | 93            | 93  | 91  | 93        | 96               | 94            | 98          | 93     | 93     | 91      | 91    | 91       |                  | 67              | 273 |
| BOS 066337  |    | BOS 033210 | BOS 022144 | 82               | 106        | 97         | 113          | 75              | 82        | 106          | 80         | 85        | 106      | 97         | 97        | 106        | 90            | 109 | 86  | 115       | 95               | 57            | 94          | 90     | 118    | 107     | 130   | 134      | 32               | 224             |     |
| BOS066337   |                                                                                     |            |            | 97               | 98         | 97         | 94           | 96              | 88        | 92           | 89         | 97        | 98       | 96         | 97        | 97         | 94            | 94  | 91  | 94        | 97               | 94            | 98          | 94     | 94     | 92      | 92    | 92       | 1                | 64              | 253 |
| BOS 111100  |                                                                                     | WO 060052  | BOS 077152 | 94               | 104        | 76         | 113          | 73              | 72        | 95           | 69         | 93        | 104      | 133        | 76        | 97         | 90            | 98  | 86  | 77        | 82               | 60            | 97          | 102    | 105    | 91      | 126   | 112      | 50               | 115             |     |
| BOS111100   |                                                                                     |            |            | 89               | 95         | 92         | 62           | 80              | 77        | 43           | 70         | 0.92      | 14.3     | -1.36      | -8.0      | 16.7       | -4            | 66  | -24 | -1.9      | 6.8              | 4.0           | 12.8        | 3      | 18     | -0.03   | 1.63  | 0.96     |                  | 37              | 115 |
| BOS 111440  |    | BOS 088246 | BOS 099084 | 116              | 109        | 91         | 91           | 93              | 98        | 81           | 90         | 115       | 109      | 96         | 91        | 107        | 108           | 86  | 78  | 119       | 80               | 111           | 93          | 90     | 96     | 89      | 119   | 99       | 14               | 102             |     |
| BOS111440   |                                                                                     |            |            | 90               | 95         | 94         | 84           | 90              | 83        | 82           | 83         | -0.92     | 17.5     | 0.12       | -4.0      | 24.8       | 16            | 20  | -15 | 21.7      | 8.1              | -6.3          | 10.4        | -4     | 9      | -0.23   | 1.20  | 0.27     | 3                | 50              | 152 |
| BOS 122346  |    | BOS 066337 | BOS 099181 | 68               | 125        | 87         | 73           | 106             | 85        | 113          | 84         | 79        | 125      | 76         | 87        | 116        | 133           | 115 | 105 | 145       | 99               | 102           | 112         | 120    | 126    | 112     | 141   | 128      | 288              | 299             |     |
| BOS122346   |                                                                                     |            |            | 99               | 99         | 98         | 96           | 97              | 90        | 96           | 91         | 99        | 99       | 97         | 98        | 98         | 96            | 96  | 95  | 96        | 97               | 95            | 98          | 96     | 96     | 95      | 95    | 95       |                  | 64              | 190 |
| BOS 144003  |                                                                                     | BOS 100048 | BOS 077182 | 107              | 97         | 72         | 125          | 95              | 93        | 80           | 85         | 100       | 97       | 119        | 72        | 95         | 78            | 85  | 80  | 83        | 94               | 92            | 104         | 79     | 79     | 80      | 98    | 97       | 28               | 23              |     |
| BOS144003   |                                                                                     |            |            | 84               | 86         | 80         | 46           | 68              | 68        | 31           | 61         | 0.36      | 10.1     | -0.81      | -9.3      | 15.3       | -18           | 18  | -18 | 1.2       | -3.0             | -2.4          | 17.5        | -11    | -7     | -1.07   | -0.04 | 0.11     |                  | 10              | 33  |
| BOS 144062  |                                                                                     | BOS 099241 | BOS 088419 | 89               | 114        | 98         | 94           | 109             | 107       | 102          | 103        | 87        | 114      | 128        | 98        | 112        | 104           | 103 | 90  | 80        | 116              | 95            | 113         | 90     | 112    | 111     | 99    | 102      | 2                | 49              |     |
| BOS144062   |                                                                                     |            |            | 76               | 91         | 87         | 64           | 77              | 73        | 43           | 67         | 1.41      | 20.5     | -1.17      | -2.1      | 28.3       | 12            | 84  | -28 | -0.3      | -20.2            | -3.0          | 23.0        | -4     | 24     | 1.97    | 0.02  | 0.43     | 4                | 27              | 72  |
| BOS 144174  |  | BOS 100048 | BOS 099083 | 112              | 103        | 80         | 111          | 95              | 98        | 89           | 91         | 111       | 103      | 98         | 80        | 100        | 92            | 96  | 87  | 99        | 115              | 75            | 104         | 115    | 113    | 93      | 89    | 94       | 81               | 211             |     |
| BOS144174   |                                                                                     |            |            | 98               | 98         | 97         | 95           | 96              | 89        | 95           | 90         | -0.60     | 13.7     | 0.01       | -7.0      | 18.9       | -3            | 56  | -25 | 10.6      | -18.9            | 0.9           | 17.0        | 10     | 26     | 0.12    | -0.53 | -0.05    | 20               | 52              | 119 |
| BOS 155035  |  | BOS 099241 | BOS 088083 | 87               | 100        | 113        | 84           | 104             | 93        | 83           | 86         | 84        | 100      | 113        | 113       | 102        | 116           | 86  | 75  | 103       | 110              | 110           | 91          | 103    | 102    | 95      | 104   | 103      | 133              | 135             |     |
| BOS155035   |                                                                                     |            |            | 96               | 97         | 93         | 89           | 92              | 86        | 88           | 86         | 1.64      | 12.3     | -0.55      | 2.2       | 20.9       | 25            | 22  | -12 | 12.8      | -15.2            | -6.2          | 9.4         | 3      | 16     | 0.39    | 0.36  | 0.46     |                  | 31              | 46  |
| BOS 166109  |  | BOS 066337 | BOS 099268 | 85               | 109        | 92         | 91           | 120             | 103       | 102          | 99         | 81        | 109      | 121        | 92        | 107        | 108           | 106 | 85  | 74        | 121              | 120           | 108         | 92     | 116    | 102     | 133   | 135      | 17               | 27              |     |
| BOS166109   |                                                                                     |            |            | 92               | 93         | 91         | 89           | 90              | 83        | 88           | 84         | 1.92      | 17.2     | -0.89      | -3.8      | 24.4       | 16            | 93  | -23 | -3.9      | -23.6            | -8.1          | 19.7        | -3     | 28     | 1.05    | 2.04  | 2.31     | 2                | 11              | 21  |

Sires

| Bull                     |                     |                   | Selection Values |       |       |        |           |       |        | Calf  |       | Dam  |       | Growth |         |        |     | Fertility |         |        |           | Frame     |        | Carcass |       |       | Measured Progeny |       |       |            |
|--------------------------|---------------------|-------------------|------------------|-------|-------|--------|-----------|-------|--------|-------|-------|------|-------|--------|---------|--------|-----|-----------|---------|--------|-----------|-----------|--------|---------|-------|-------|------------------|-------|-------|------------|
| ID                       | Index<br>EBV<br>Acc | Sire ID<br>Dam ID | Calv.            | Calf  | Milk  | Maint. | Fertility | Cow   | Growth | Prod  | Birth | Wean | Birth | Wean   | Post wn | Mature | ADG | FCR       | Scrotal | Heifer | Cow       | Long-evi  | Height | Length  | EMA   | Fat   | Marbling         | Birth | Wean  |            |
|                          |                     |                   | Ease             | Grwth | Value | Value  | Value     | Value | Value  | Value | Dir   | Dir  | Mat.  | Mat.   | wt      | weight |     |           |         |        | Fertility | Fertility | ty     |         |       |       |                  |       | Grwth | Dgt/Calvs. |
| BOS 144090<br>BOS 144200 |                     |                   | 71               | 133   | 99    | 72     | 117       | 108   | 120    | 107   | 53    | 133  | 142   | 99     | 130     | 135    | 127 | 122       | 103     | 105    | 120       | 115       | 124    | 133     | 115   | 118   | 113              | 23    | 30    |            |
| BOS177085                |                     |                   | 79               | 87    | 73    | 61     | 60        | 67    | 50     | 64    | 4.28  | 31.2 | -1.72 | -1.7   | 42.5    | 47     | 170 | -63       | 13.0    | -11.6  | -8.0      | 24.3      | 16     | 44      | 2.35  | 1.16  | 1.03             | 5     | 8     | 16         |
| BOS 144451<br>BOS 144160 |                     |                   | 103              | 120   | 78    | 81     | 142       | 127   | 96     | 120   | 97    | 120  | 78    | 121    | 123     | 105    | 102 | 102       | 119     | 149    | 134       | 89        | 114    | 122     | 130   | 103   | 16               | 371   |       |            |
| BOS177146                |                     |                   | 98               | 99    | 98    | 96     | 97        | 89    | 96     | 90    | 0.56  | 23.5 | -0.97 | -7.6   | 35.6    | 33     | 89  | -41       | 12.2    | -22.1  | -13.9     | 35.8      | -5     | 26      | 3.06  | 1.87  | 0.46             | 5     | 61    | 111        |
| BOS 100441<br>BOS 100738 |                     |                   | 86               | 122   | 91    | 85     | 85        | 84    | 114    | 84    | 83    | 122  | 91    | 112    | 91      | 123    | 116 | 120       | 114     | 102    | 72        | 89        | 103    | 71      | 103   | 145   | 37               | 68    | 134   | 118        |
| BOS177663                |                     |                   | 96               | 97    | 93    | 92     | 92        | 86    | 92     | 87    | 1.72  | 24.6 | -0.54 | -4.0   | 37.1    | 25     | 145 | -54       | 12.1    | 14.7   | -1.8      | 16.8      | -15    | 16      | 5.28  | -3.58 | -1.53            | 28    | 16    | 22         |
| BOS 122165<br>BOS 133237 |                     |                   | 113              | 103   | 72    | 101    | 87        | 82    | 96     | 78    | 107   | 103  | 113   | 72     | 97      | 99     | 95  | 87        | 90      | 72     | 85        | 112       | 99     | 100     | 89    | 106   | 120              | 143   | 167   |            |
| BOS188403                |                     |                   | 96               | 97    | 94    | 92     | 93        | 87    | 92     | 88    | -0.24 | 13.7 | -0.58 | -9.4   | 16.7    | 5      | 53  | -25       | 5.2     | 14.3   | -1.0      | 22.1      | 1      | 13      | -0.26 | 0.47  | 1.43             |       | 13    | 13         |
| BOS 155327<br>BOS 155624 |                     |                   | 121              | 104   | 68    | 122    | 99        | 105   | 105    | 102   | 116   | 104  | 128   | 68     | 103     | 82     | 110 | 108       | 119     | 84     | 103       | 110       | 96     | 104     | 111   | 99    | 103              | 7     | 97    |            |
| BOS188650                |                     |                   | 92               | 96    | 93    | 90     | 92        | 85    | 90     | 86    | -0.99 | 14.3 | -1.18 | -10.5  | 21.1    | -14    | 110 | -48       | 22.0    | 4.7    | -4.6      | 21.1      | -1     | 17      | 1.95  | 0.06  | 0.46             | 5     | 9     | 12         |
| BOS 088038<br>BOS 166198 |                     |                   | 97               | 104   | 77    | 100    | 99        | 86    | 91     | 81    | 94    | 104  | 130   | 77     | 97      | 99     | 97  | 95        | 108     | 107    | 101       | 92        | 83     | 98      | 107   | 81    | 92               | 45    | 40    |            |
| BOS199077                |                     |                   | 89               | 90    | 83    | 81     | 83        | 78    | 80     | 78    | 0.79  | 14.7 | -1.23 | -7.9   | 16.5    | 6      | 61  | -34       | 15.7    | -12.9  | -4.3      | 9.8       | -8     | 12      | 1.51  | -1.02 | -0.16            |       |       |            |
| BOS 144451<br>BOS 144274 |                     |                   | 96               | 111   | 71    | 98     | 142       | 118   | 104    | 114   | 96    | 111  | 140   | 71     | 108     | 102    | 110 | 100       | 98      | 128    | 139       | 130       | 86     | 112     | 108   | 106   | 102              | 34    | 29    |            |
| BOS199260                |                     |                   | 90               | 91    | 87    | 84     | 86        | 80    | 84     | 81    | 0.64  | 18.5 | -1.62 | -9.5   | 25.2    | 9      | 108 | -39       | 9.8     | -29.6  | -11.8     | 33.4      | -7     | 25      | 1.59  | 0.44  | 0.44             |       |       |            |
| BOS 133078<br>BOS 155061 |                     |                   | 88               | 115   | 104   | 97     | 113       | 115   | 114    | 113   | 85    | 115  | 123   | 104    | 113     | 101    | 109 | 90        | 98      | 128    | 100       | 106       | 86     | 109     | 111   | 95    | 102              | 31    | 24    |            |
| BOS200505                |                     |                   | 92               | 93    | 90    | 87     | 89        | 83    | 87     | 84    | 1.62  | 20.8 | -0.98 | -0.3   | 28.8    | 8      | 103 | -28       | 10.2    | -29.2  | -4.1      | 18.7      | -7     | 22      | 1.96  | -0.19 | 0.42             |       |       |            |
| S 177023<br>BOS 177205   |                     |                   | 100              | 98    | 95    | 97     | 107       | 98    | 96     | 93    | 100   | 98   | 101   | 95     | 97      | 101    | 95  | 84        | 90      | 90     | 109       | 116       | 87     | 95      | 92    | 94    | 106              | 36    | 24    |            |
| BOS211175                |                     |                   | 91               | 91    | 87    | 84     | 86        | 81    | 84     | 82    | 0.35  | 11.2 | -0.08 | -2.8   | 16.4    | 8      | 55  | -21       | 5.1     | 0.7    | -5.9      | 24.7      | -6     | 9       | 0.11  | -0.24 | 0.63             |       |       |            |
| BOS 111348<br>BOS 100179 |                     |                   | 82               | 118   | 108   | 96     | 108       | 113   | 118    | 111   | 88    | 118  | 87    | 108    | 116     | 102    | 118 | 100       | 117     | 120    | 109       | 93        | 127    | 127     | 114   | 124   | 131              | 82    | 66    |            |
| 177008                   |                     |                   | 91               | 91    | 72    | 51     | 68        | 70    | 30     | 62    | 1.33  | 22.5 | 0.45  | 0.9    | 31.4    | 9      | 139 | -39       | 20.5    | -23.4  | -5.9      | 10.3      | 17     | 39      | 2.25  | 1.53  | 2.06             |       | 8     | 9          |
| JAN 177008<br>S 166246   |                     |                   | 98               | 107   | 112   | 119    | 104       | 124   | 107    | 119   | 100   | 107  | 93    | 112    | 106     | 82     | 107 | 97        | 112     | 103    | 102       | 105       | 107    | 108     | 99    | 116   | 124              | 2     |       |            |
| JAN222010                |                     |                   | 85               | 84    | 83    | 81     | 82        | 76    | 80     | 77    | 0.34  | 16.4 | 0.23  | 1.9    | 23.8    | -13    | 99  | -36       | 17.8    | -9.5   | -4.6      | 17.8      | 6      | 21      | 0.74  | 1.01  | 1.63             |       |       |            |

Sires

| Bull          |                     |                          | Selection Values       |                        |               |                 |                    |              |                 |               | Calf         |             | Dam           |              | Growth        |                  |     |     | Fertility |                     |                  |                | Frame  |        | Carcass |       |          | Measured Progeny       |                   |
|---------------|---------------------|--------------------------|------------------------|------------------------|---------------|-----------------|--------------------|--------------|-----------------|---------------|--------------|-------------|---------------|--------------|---------------|------------------|-----|-----|-----------|---------------------|------------------|----------------|--------|--------|---------|-------|----------|------------------------|-------------------|
| ID            | Index<br>EBV<br>Acc | Sire ID<br>Dam ID        | Calv.<br>Ease<br>Value | Calf<br>Grwth<br>Value | Milk<br>Value | Maint.<br>Value | Fertility<br>Value | Cow<br>Value | Growth<br>Value | Prod<br>Value | Birth<br>Dir | Wean<br>Dir | Birth<br>Mat. | Wean<br>Mat. | Post wn<br>wt | Mature<br>weight | ADG | FCR | Scrotal   | Heifer<br>Fertility | Cow<br>Fertility | Long-evi<br>ty | Height | Length | EMA     | Fat   | Marbling | Birth<br>Grwth<br>Test | Wean<br>Dgt/Calvs |
|               | Name                |                          |                        |                        |               |                 |                    |              |                 |               |              |             |               |              |               |                  |     |     |           |                     |                  |                |        |        |         |       |          |                        |                   |
| OBS<br>140017 |                     | OBS 110227               | 112                    | 89                     | 105           |                 | 112                |              |                 |               | 106          | 89          | 116           | 105          | 87            |                  |     |     | 114       | 106                 | 109              |                |        |        |         |       |          | 14                     | 11                |
| OBS 14 17     |                     |                          | 71                     | 70                     | 64            |                 | 47                 |              |                 |               | -0.14        | 5.6         | -0.69         | 0.0          | 8.6           |                  |     |     | -18.4     | -5.3                | 20.4             |                |        |        |         |       |          | 5                      | 17                |
| OBS<br>140256 |                     | BOS 111100<br>OBS 110013 | 100                    | 105                    | 81            | 103             | 85                 | 82           | 90              | 77            | 95           | 105         | 114           | 81           | 104           | 96               | 94  | 93  | 86        | 94                  | 69               | 104            | 103    | 99     | 88      | 101   | 84       | 6                      | 4                 |
| OBS14256      |                     |                          | 70                     | 72                     | 65            | 31              | 52                 | 54           | 22              | 48            | 73           | 72          | 61            | 65           | 60            | 31               | 30  | 10  | 33        | 53                  | 35               | 67             | 33     | 32     | -0.33   | 0.17  | -0.60    | 2                      | 7                 |
| OBS<br>140279 |                     | BOS 033044<br>OBS 070110 | 115                    | 105                    | 58            | 127             | 118                | 114          | 101             | 109           | 115          | 105         | 92            | 58           | 95            | 75               | 95  | 83  | 90        | 120                 | 116              | 108            | 74     | 86     | 94      | 97    | 116      | 141                    | 169               |
| OBS14279      |                     |                          | 94                     | 96                     | 88            | 52              | 74                 | 75           | 34              | 67            | 96           | 96          | 86            | 88           | 91            | 52               | 53  | 21  | 55        | 88                  | 50               | 83             | 53     | 52     | 0.28    | -0.06 | 1.21     | 44                     | 62                |
| OBS<br>160561 |                     | PD 130002<br>OBS 110227  | 99                     | 113                    | 95            | 86              | 119                | 112          |                 |               | 100          | 113         | 96            | 95           | 111           | 114              | 111 |     | 114       | 114                 | 115              | 115            | 109    | 115    | 111     | 106   | 103      | 2                      | 3                 |
| OBS16561      |                     |                          | 64                     | 68                     | 57            | 22              | 43                 | 48           |                 |               | 0.31         | 19.4        | 0.09          | -2.8         | 27.9          | 23               | 112 |     | 19.3      | -18.5               | -7.1             | 24.3           | 7      | 28     | 1.95    | 0.45  | 0.44     | 1                      | 4                 |
| OBS<br>180168 |                     | OBS 140279<br>BOS 100801 | 120                    | 100                    | 55            | 126             | 104                | 100          | 86              | 93            | 116          | 100         | 107           | 55           | 94            | 78               | 84  | 90  | 76        | 104                 | 101              | 106            | 72     | 71     | 79      | 93    | 101      | 209                    | 209               |
| OBS18168      |                     |                          | 97                     | 98                     | 94            | 92              | 93                 | 87           | 93              | 88            | -0.97        | 12.1        | -0.34         | -13.9        | 14.0          | -18              | 15  | -28 | -2.3      | -10.4               | -4.3             | 18.4           | -15    | -14    | -1.16   | -0.30 | 0.36     | 28                     | 27 33             |
| OBS<br>180169 |                     | OBS 140279<br>OBS 130201 | 111                    | 104                    | 67            | 117             | 115                | 109          |                 |               | 107          | 104         | 107           | 67           | 94            | 87               | 96  | 95  | 93        | 106                 | 110              | 119            | 88     | 90     | 92      | 98    | 109      | 1                      | 1                 |
| OBS18169      |                     |                          | 67                     | 66                     | 60            | 27              | 46                 | 50           |                 |               | -0.26        | 14.2        | -0.32         | -10.6        | 14.7          | -8               | 58  | -34 | 7.0       | -12.3               | -6.1             | 26.5           | -6     | 4      | 0.05    | 0.00  | 0.79     |                        |                   |
| OBS<br>190027 |                     | PD 110244<br>OBS 100406  | 99                     | 103                    | 95            | 102             | 85                 | 87           |                 |               | 98           | 103         | 102           | 95           | 97            | 96               | 98  |     | 99        | 75                  | 84               | 105            | 99     | 90     |         |       |          | 8                      | 7                 |
| OBS1927       |                     |                          | 74                     | 74                     | 64            | 11              | 52                 | 52           |                 |               | 0.48         | 13.8        | -0.13         | -2.9         | 17.1          | 3                | 66  |     | 10.8      | 12.2                | -0.8             | 18.1           | 1      | 4      |         |       |          | 2                      | 3                 |
| OBS<br>190044 |                     | OBS 140279<br>OBS 100411 | 110                    | 117                    | 78            | 95              | 111                | 110          |                 |               | 109          | 117         | 97            | 78           | 108           | 105              | 111 | 110 | 111       | 113                 | 115              | 99             | 111    | 115    | 110     | 93    | 103      | 19                     | 17                |
| OBS1944       |                     |                          | 78                     | 80                     | 66            | 26              | 48                 | 56           |                 |               | -0.44        | 22.1        | 0.05          | -7.5         | 25.4          | 13               | 113 | -50 | 17.4      | -18.0               | -7.2             | 14.2           | 8      | 27     | 1.80    | -0.28 | 0.45     | 5                      | 5                 |
| OBS<br>190129 |                     | ROCK150262<br>OBS 160554 | 75                     | 143                    | 95            | 77              | 103                | 109          |                 |               | 61           | 143         | 108           | 95           | 143           | 128              | 138 | 135 | 134       | 82                  | 121              | 103            | 127    | 131    | 133     | 111   | 119      | 10                     | 7                 |
| OBS19129      |                     |                          | 72                     | 74                     | 56            | 16              | 46                 | 50           |                 |               | 3.56         | 37.0        | -0.38         | -2.7         | 52.1          | 39               | 209 | -77 | 30.6      | 6.5                 | -8.3             | 16.4           | 17     | 42     | 4.05    | 0.77  | 1.37     | 1                      | 1                 |
| OBS<br>190207 |                     | ROCK150262<br>OBS 130229 | 96                     | 101                    | 112           | 92              | 112                | 108          |                 |               | 97           | 101         | 97            | 112          | 98            | 106              | 107 | 111 | 111       | 106                 | 120              | 102            | 110    | 110    | 101     | 95    | 96       | 13                     | 10                |
| OBS19207      |                     |                          | 73                     | 75                     | 60            | 11              | 40                 | 49           |                 |               | 0.59         | 12.8        | 0.05          | 1.9          | 17.2          | 14               | 99  | -51 | 17.2      | -12.4               | -8.1             | 16.3           | 7      | 22     | 0.99    | -0.21 | 0.08     | 2                      | 2                 |
| OBS<br>200138 |                     | OBS 140279<br>OBS 170016 | 123                    | 115                    | 71            | 102             | 125                | 125          | 107             | 120           | 117          | 115         | 113           | 71           | 106           | 98               | 105 | 101 | 109       | 113                 | 126              | 119            | 103    | 103    | 105     | 92    | 106      | 25                     | 20                |
| OBS20138      |                     |                          | 91                     | 92                     | 89            | 86              | 88                 | 82           | 86              | 83            | -1.04        | 20.6        | -0.55         | -9.6         | 23.8          | 5                | 92  | -41 | 16.1      | -17.7               | -9.3             | 26.5           | 3      | 16     | 1.31    | -0.34 | 0.64     |                        |                   |
|               |                     |                          |                        |                        |               |                 |                    |              |                 |               | 92           | 92          | 89            | 89           | 88            | 86               | 87  | 86  | 87        | 88                  | 86               | 89             | 87     | 87     | 86      | 86    | 86       |                        |                   |

Sires

| Bull          |                                                                                     |                          | Selection Values       |                        |               |                 |                    |              |                 | Calf          |              | Dam         |               | Growth       |               |                  |     | Fertility |         |                     |                  | Frame          |                  | Carcass |       |          | Measured Progeny       |                    |       |
|---------------|-------------------------------------------------------------------------------------|--------------------------|------------------------|------------------------|---------------|-----------------|--------------------|--------------|-----------------|---------------|--------------|-------------|---------------|--------------|---------------|------------------|-----|-----------|---------|---------------------|------------------|----------------|------------------|---------|-------|----------|------------------------|--------------------|-------|
| ID            | Index<br>EBV<br>Acc                                                                 | Sire ID<br>Dam ID        | Calv.<br>Ease<br>Value | Calf<br>Grwth<br>Value | Milk<br>Value | Maint.<br>Value | Fertility<br>Value | Cow<br>Value | Growth<br>Value | Prod<br>Value | Birth<br>Dir | Wean<br>Dir | Birth<br>Mat. | Wean<br>Mat. | Post wn<br>wt | Mature<br>weight | ADG | FCR       | Scrotal | Heifer<br>Fertility | Cow<br>Fertility | Long-evi<br>ty | Height<br>Length | EMA     | Fat   | Marbling | Birth<br>Grwth<br>Test | Wean<br>Dgt/Calvs. |       |
|               | Name                                                                                |                          |                        |                        |               |                 |                    |              |                 |               |              |             |               |              |               |                  |     |           |         |                     |                  |                |                  |         |       |          |                        |                    |       |
| OBS<br>210077 |    | BOS 066337<br>PD 070242  | 99                     | 103                    | 110           | 101             | 98                 | 105          | 115             | 103           | 105          | 103         | 81            | 110          | 106           | 97               | 112 | 91        | 102     | 113                 | 80               | 106            | 106              | 114     | 107   | 102      | 120                    | 58                 | 31    |
| OBS2177       |                                                                                     |                          | 93                     | 92                     | 89            | 87              | 88                 | 82           | 86              | 83            | -0.06        | 14.0        | 0.69          | 1.4          | 23.9          | 4                | 114 | -30       | 12.3    | -17.5               | -0.1             | 18.4           | 5                | 27      | 1.50  | 0.22     | 1.41                   |                    |       |
| OBS<br>220034 |    | BOS 122346<br>OBS 170164 | 81                     | 108                    | 94            | 87              | 97                 | 82           | 94              | 78            | 84           | 108         | 95            | 94           | 106           | 113              | 101 | 99        | 118     | 91                  | 87               | 114            | 101              | 103     | 99    | 113      | 115                    | 2                  | 1     |
| OBS 22 34     |                                                                                     |                          | 86                     | 86                     | 85            | 82              | 84                 | 78           | 81              | 79            | 1.65         | 16.7        | 0.15          | -3.0         | 23.5          | 22               | 77  | -37       | 21.6    | -0.2                | -1.5             | 23.5           | 2                | 17      | 0.79  | 0.88     | 1.14                   |                    |       |
| OBS<br>220095 |    | BOS 166109<br>OBS 180196 | 86                     | 100                    | 89            | 97              | 126                | 102          | 91              | 96            | 1.69         | 12.3        | -0.48         | -4.5         | 17.8          | 9                | 38  | -10       | -4.7    | -27.5               | -8.6             | 23.5           | -8               | 10      | -0.60 | 0.97     | 1.02                   | 16                 | 11    |
| OBS 22 95     |                                                                                     |                          | 88                     | 88                     | 84            | 82              | 83                 | 78           | 81              | 79            | 89           | 88          | 84            | 84           | 83            | 82               | 82  | 80        | 82      | 83                  | 81               | 84             | 82               | 82      | 81    | 81       | 81                     |                    |       |
| OBS<br>220115 |    | OBS 190129<br>OBS 100406 | 76                     | 126                    | 93            | 83              | 95                 | 90           | 115             | 90            | 2.89         | 27.0        | -0.40         | -3.5         | 39.4          | 29               | 157 | -71       | 113     | 84                  | 96               | 108            | 108              | 106     | 114   | 107      | 107                    | 1                  |       |
| OBS 22 115    |                                                                                     |                          | 82                     | 81                     | 80            | 77              | 79                 | 73           | 77              | 74            | 83           | 81          | 80            | 80           | 79            | 77               | 77  | 77        | 77      | 78                  | 77               | 81             | 77               | 77      | 77    | 77       | 77                     |                    |       |
| OBS<br>220204 |    | OBS 140279<br>OBS 170195 | 102                    | 113                    | 71            | 104             | 116                | 107          | 97              | 102           | 0.60         | 19.4        | -0.63         | -9.6         | 24.5          | 2                | 85  | -45       | 11.0    | -12.0               | -6.8             | 25.4           | 1                | 15      | 1.32  | -0.40    | 0.46                   | 3                  | 2     |
| OBS22204      |                                                                                     |                          | 86                     | 86                     | 85            | 82              | 83                 | 77           | 82              | 78            | 87           | 86          | 84            | 85           | 84            | 82               | 82  | 81        | 82      | 83                  | 81               | 84             | 82               | 82      | 81    | 81       | 81                     |                    |       |
| OBS<br>220208 |    | BOS 177146<br>OBS 180115 | 97                     | 124                    | 91            | 81              | 124                | 120          | 106             | 115           | 0.54         | 26.2        | -0.01         | -3.8         | 40.3          | 31               | 127 | -52       | 16.0    | -12.6               | -8.8             | 30.4           | 3                | 31      | 3.11  | 1.07     | 0.69                   | 52                 | 30    |
| OBS 220208    |                                                                                     |                          | 93                     | 92                     | 88            | 86              | 88                 | 82           | 86              | 83            | 94           | 92          | 88            | 88           | 88            | 86               | 87  | 86        | 87      | 88                  | 87               | 89             | 87               | 87      | 86    | 86       | 86                     |                    |       |
| OBS<br>220211 |    | BOS 177146<br>OBS 160006 | 92                     | 116                    | 93            | 85              | 119                | 109          | 100             | 104           | 1.42         | 21.4        | -0.81         | -3.4         | 29.3          | 25               | 97  | -42       | 14.3    | -14.4               | -7.2             | 26.8           | 2                | 27      | 2.58  | 0.95     | 0.54                   | 1                  |       |
| OBS 220211    |                                                                                     |                          | 86                     | 85                     | 85            | 82              | 83                 | 77           | 82              | 78            | 87           | 85          | 84            | 85           | 84            | 82               | 82  | 81        | 82      | 84                  | 82               | 84             | 82               | 82      | 81    | 81       | 81                     |                    |       |
| OBS<br>220227 |  | BOS 188403<br>OBS 170247 | 118                    | 94                     | 76            | 122             | 88                 | 91           | 90              | 86            | -0.78        | 8.4         | -0.41         | -8.2         | 12.5          | -15              | 26  | -14       | 6.0     | 8.3                 | 0.3              | 22.5           | -1               | 4       | -1.24 | 0.09     | 0.81                   | 1                  |       |
| OBS22227      |                                                                                     |                          | 86                     | 86                     | 84            | 82              | 83                 | 77           | 82              | 78            | 87           | 86          | 84            | 84           | 84            | 82               | 82  | 81        | 82      | 84                  | 82               | 84             | 82               | 82      | 81    | 81       | 81                     |                    |       |
| OBS<br>230163 |  | BOS 122346<br>OBS 160077 | 69                     | 126                    | 84            | 83              | 107                | 91           | 109             | 89            | 2.34         | 27.1        | 0.46          | -5.9         | 32.5          | 28               | 131 | -51       | 30.4    | -8.6                | -4.7             | 22.1           | 17               | 35      | 2.31  | 0.87     | 1.27                   | 1                  |       |
| OBS 23 163    |                                                                                     |                          | 87                     | 87                     | 86            | 83              | 84                 | 78           | 82              | 79            | 87           | 87          | 85            | 86           | 85            | 83               | 83  | 81        | 83      | 85                  | 83               | 85             | 83               | 83      | 82    | 82       | 82                     |                    |       |
| OBS<br>230228 |  | BOS 200138<br>OBS 170058 | 121                    | 111                    | 76            | 104             | 115                | 117          | 103             | 112           | -0.96        | 18.7        | -0.41         | -8.2         | 19.3          | 2                | 89  | -41       | 15.6    | -15.2               | -5.5             | 25.9           | 0                | 11      | 1.51  | -0.05    | 0.43                   | 3                  |       |
| OBS 23 228    |                                                                                     |                          | 85                     | 85                     | 82            | 80              | 81                 | 76           | 80              | 77            | 86           | 85          | 82            | 82           | 82            | 80               | 80  | 79        | 80      | 81                  | 80               | 82             | 80               | 80      | 79    | 79       | 79                     |                    |       |
| PD 100075     |                                                                                     | BOS 066337<br>PD 040041  | 109                    | 96                     | 82            | 109             | 78                 | 77           | 102             | 75            | -0.17        | 9.7         | -0.23         | -6.4         | 19.3          | -1               | 64  | -12       | 9.7     | -5.0                | 1.2              | 3.7            | -12              | 9       | 0.48  | 0.62     | 1.50                   | 32                 | 105   |
| 10 075        |                                                                                     |                          | 86                     | 95                     | 90            | 63              | 79                 | 77           | 28              | 67            | 88           | 95          | 77            | 90           | 87            | 63               | 42  | 12        | 44      | 86                  | 60               | 92             | 44               | 43      | 28    | 25       | 25                     |                    | 33 73 |

Sires

| Bull       |                     |            |            | Selection Values |                |       |        |           |       |        | Calf  |       | Dam  |       | Growth |         |        |     | Fertility |         |        |           | Frame     |        | Carcass |      |       | Measured Progeny |       |               |
|------------|---------------------|------------|------------|------------------|----------------|-------|--------|-----------|-------|--------|-------|-------|------|-------|--------|---------|--------|-----|-----------|---------|--------|-----------|-----------|--------|---------|------|-------|------------------|-------|---------------|
| ID         | Index<br>EBV<br>Acc | Sire ID    | Dam ID     | Calv.            | Calf           | Milk  | Maint. | Fertility | Cow   | Growth | Prod  | Birth | Wean | Birth | Wean   | Post wn | Mature | ADG | FCR       | Scrotal | Heifer | Cow       | Long-evi  | Height | Length  | EMA  | Fat   | Marbling         | Birth | Wean          |
|            |                     |            |            | Ease<br>Value    | Grwth<br>Value | Value | Value  | Value     | Value | Value  | Value | Dir   | Dir  | Mat.  | Mat.   | wt      | weight |     |           |         |        | Fertility | Fertility | ty     |         |      |       |                  |       | Grwth<br>Test |
| PD 110244  |                     | PD 080268  |            | 99               | 112            | 94    | 99     | 95        | 100   |        |       | 102   | 112  | 93    | 94     | 98      | 99     | 114 |           | 115     | 91     | 105       | 94        | 110    | 105     | 112  | 92    | 114              | 168   | 140           |
| 11 244     |                     |            |            | 96               | 96             | 93    | 23     | 78        | 73    |        |       | 0.21  | 19.0 | 0.22  | -3.0   | 17.3    | 6      | 122 |           | 19.9    | -0.3   | -5.0      | 11.1      | 7      | 18      | 2.08 | -0.33 | 1.08             |       |               |
|            |                     |            |            |                  |                |       |        |           |       |        |       | 97    | 96   | 92    | 93     | 87      | 23     | 23  |           | 23      | 88     | 54        | 92        | 24     | 22      | 6    | 5     | 5                | 53    | 177           |
| PD 130002  |                     | BOS 066337 | PD 010013  | 89               | 123            | 91    | 85     | 96        | 96    | 126    | 97    | 95    | 123  | 86    | 91     | 123     | 115    | 126 | 110       | 125     | 109    | 99        | 87        | 113    | 125     | 124  | 121   | 129              | 34    | 35            |
| PD13-0002  |                     |            |            | 82               | 87             | 77    | 45     | 67        | 67    | 25     | 59    | 0.76  | 25.4 | 0.50  | -3.9   | 36.9    | 24     | 167 | -50       | 25.6    | -14.4  | -3.8      | 6.6       | 9      | 37      | 3.20 | 1.30  | 1.92             | 6     | 17            |
|            |                     |            |            |                  |                |       |        |           |       |        |       | 86    | 87   | 68    | 77     | 72      | 45     | 41  | 8         | 43      | 68     | 50        | 84        | 43     | 42      | 27   | 25    | 24               |       |               |
| RG 150012  |                     | MAJ 080934 | RG 080331  | 112              | 82             | 109   | 110    | 77        | 83    |        |       | 108   | 82   | 106   | 109    | 83      | 91     | 77  |           | 81      | 115    | 66        | 73        | 80     | 75      |      |       |                  | 57    | 43            |
| 150012     |                     |            |            | 85               | 88             | 66    | 43     | 51        | 63    |        |       | -0.33 | 1.9  | -0.31 | 1.0    | 5.8     | -3     | -11 |           | 0.4     | -19.3  | 2.7       | -2.3      | -10    | -10     |      |       |                  | 3     | 5             |
|            |                     |            |            |                  |                |       |        |           |       |        |       | 90    | 88   | 68    | 66     | 54      | 43     | 13  |           | 13      | 42     | 30        | 80        | 13     | 13      |      |       |                  |       |               |
| ROCK1502   |                     | BOS 110026 | ROCK080412 | 86               | 123            | 101   | 86     | 132       | 127   |        |       | 86    | 123  | 103   | 101    | 122     | 114    | 124 | 121       | 127     | 121    | 149       | 106       | 115    | 121     | 122  | 103   | 110              | 48    | 47            |
| 62         |                     |            |            | 86               | 90             | 83    | 23     | 64        | 65    |        |       | 1.49  | 25.2 | -0.19 | -1.0   | 36.4    | 23     | 160 | -62       | 26.3    | -24.1  | -13.9     | 18.5      | 10     | 33      | 3.00 | 0.26  | 0.88             | 16    | 48            |
|            |                     |            |            |                  |                |       |        |           |       |        |       | 90    | 90   | 72    | 83     | 78      | 23     | 22  | 10        | 23      | 69     | 41        | 81        | 23     | 22      | 15   | 14    | 14               |       |               |
| ROCK1600   |                     | BOS 088470 | ROCK140004 | 105              | 107            | 89    | 101    | 110       | 109   | 92     | 102   | 103   | 107  | 103   | 89     | 111     | 97     | 98  | 91        | 97      | 132    | 101       | 96        | 83     | 91      | 96   | 91    | 99               | 5     | 5             |
| 83         |                     |            |            | 62               | 72             | 63    | 31     | 53        | 53    | 22     | 47    | 0.07  | 16.3 | -0.16 | -4.4   | 27.5    | 4      | 66  | -30       | 9.5     | -32.7  | -4.3      | 12.3      | -9     | 5       | 0.41 | -0.44 | 0.24             | 3     | 7             |
| ROCK160083 |                     |            |            |                  |                |       |        |           |       |        |       | 65    | 72   | 51    | 63     | 60      | 31     | 31  | 12        | 33      | 57     | 37        | 66        | 33     | 32      | 17   | 16    | 15               |       |               |
| S 177023   |                     | BOS 133179 | BOS 144488 | 79               | 126            | 81    | 76     | 109       | 92    | 116    | 92    | 64    | 126  | 120   | 81     | 121     | 129    | 120 | 115       | 105     | 91     | 107       | 121       | 109    | 118     | 111  | 92    | 121              | 12    | 121           |
| 177023     |                     |            |            | 95               | 97             | 95    | 92     | 94        | 87    | 92     | 88    | 3.31  | 27.2 | -0.85 | -6.6   | 34.9    | 41     | 145 | -55       | 13.9    | -0.6   | -5.5      | 27.8      | 7      | 30      | 1.95 | -0.34 | 1.51             | 29    | 48            |
|            |                     |            |            |                  |                |       |        |           |       |        |       | 95    | 97   | 93    | 95     | 94      | 92     | 92  | 92        | 92      | 95     | 92        | 95        | 92     | 92      | 92   | 92    | 92               |       |               |
| V8 200394  |                     | BOS 166136 | OKT 160111 | 121              | 101            | 86    | 99     | 107       | 106   | 100    | 101   | 122   | 101  | 87    | 86     | 100     | 99     | 99  | 86        | 95      | 113    | 102       | 105       | 98     | 106     | 98   | 118   | 109              | 67    | 46            |
| V8200394   |                     |            |            | 94               | 93             | 89    | 87     | 88        | 83    | 87     | 84    | -1.52 | 12.8 | 0.46  | -5.5   | 19.2    | 6      | 68  | -24       | 8.2     | -17.9  | -4.4      | 17.8      | 0      | 19      | 0.66 | 1.18  | 0.79             |       |               |
|            |                     |            |            |                  |                |       |        |           |       |        |       | 95    | 93   | 90    | 89     | 89      | 87     | 87  | 86        | 88      | 88     | 86        | 90        | 88     | 87      | 86   | 86    | 86               |       |               |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |                                                                                                                                                                                                    |              |                   | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                  | Growth                |                   |                  | Fertility        |                   |                    |                   | Frame             |                 | Carcass         |                   |                   |                   |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|-----------------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | ID<br>Number<br>Name                                                                                                                                                                               | % Inbreeding | Sire ID<br>Dam ID | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
|                                      |                                                                                                                                                                                                    |              |                   |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                  |                       |                   |                  |                  |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 200138<br>91673517<br>OBS20138   |  OBS 140279<br> OBS 170016       |              |                   | 123<br>91        | 115<br>92     | 71<br>89  | 102<br>86 | 125<br>88   | 125<br>82 | 107<br>86    | 120<br>83   | 107<br>86     | 117<br>-1.04<br>92 | 113<br>-0.55<br>89 | 98<br>5<br>86   | 115<br>20.6<br>92 | 71<br>-9.6<br>89 | 91<br>20<br>89        | 106<br>23.8<br>88 | 105<br>92<br>87  | 101<br>-41<br>86 | 109<br>16.1<br>87 | 113<br>-17.7<br>88 | 126<br>-9.3<br>86 | 119<br>26.5<br>89 | 103<br>3<br>87  | 103<br>16<br>87 | 105<br>1.31<br>86 | 92<br>-0.34<br>86 | 106<br>0.64<br>86 |
| OBS 210077<br>92125152<br>OBS2177    |  BOS 066337<br> PD 070242        |              |                   | 99<br>93         | 103<br>92     | 110<br>89 | 101<br>87 | 98<br>88    | 105<br>82 | 115<br>86    | 103<br>83   | 106<br>86     | 105<br>-0.06<br>94 | 81<br>0.69<br>89   | 97<br>4<br>87   | 103<br>14.0<br>92 | 110<br>1.4<br>89 | 112<br>70<br>89       | 106<br>23.9<br>90 | 112<br>114<br>86 | 91<br>-30<br>85  | 102<br>12.3<br>87 | 113<br>-17.5<br>88 | 80<br>-0.1<br>87  | 106<br>18.4<br>90 | 106<br>5<br>87  | 114<br>27<br>87 | 107<br>1.50<br>86 | 102<br>0.22<br>86 | 120<br>1.41<br>86 |
| JAN 222010<br>93297612<br>JAN222010  | 4  JAN 177008<br>S 166246                                                                                         |              |                   | 98<br>85         | 107<br>84     | 112<br>83 | 119<br>81 | 104<br>82   | 124<br>76 | 107<br>80    | 119<br>77   | 103<br>80     | 100<br>0.34<br>86  | 93<br>0.23<br>83   | 82<br>-13<br>81 | 107<br>16.4<br>84 | 112<br>1.9<br>83 | 127<br>105<br>83      | 106<br>23.8<br>82 | 107<br>99<br>81  | 97<br>-36<br>80  | 112<br>17.8<br>81 | 103<br>-9.5<br>82  | 102<br>-4.6<br>81 | 105<br>17.8<br>84 | 107<br>6<br>81  | 108<br>21<br>81 | 99<br>0.74<br>80  | 116<br>1.01<br>80 | 124<br>1.63<br>80 |
| JAN 222117<br>97129621<br>JAN 222117 | 10  BOS 144174<br> BOS 100179    |              |                   | 103<br>89        | 120<br>89     | 77<br>88  | 88<br>86  | 102<br>87   | 98<br>80  | 113<br>86    | 96<br>81    | 114<br>85     | 99<br>0.43<br>89   | 110<br>-0.46<br>88 | 113<br>22<br>86 | 120<br>23.6<br>89 | 77<br>-7.8<br>88 | 95<br>31<br>88        | 122<br>36.4<br>88 | 115<br>128<br>87 | 102<br>-41<br>85 | 111<br>17.4<br>87 | 115<br>-19.5<br>88 | 88<br>-1.6<br>86  | 106<br>18.3<br>88 | 137<br>23<br>87 | 130<br>42<br>87 | 114<br>2.18<br>85 | 94<br>-0.26<br>85 | 110<br>0.86<br>85 |
| OBS 220095<br>93647451<br>OBS 22 95  | 1  BOS 166109<br> OBS 180196     |              |                   | 86<br>88         | 100<br>88     | 89<br>84  | 97<br>82  | 126<br>83   | 102<br>78 | 91<br>81     | 96<br>79    | 87<br>81      | 84<br>1.69<br>89   | 111<br>-0.48<br>84 | 102<br>9<br>82  | 100<br>12.3<br>88 | 89<br>-4.5<br>84 | 89<br>15<br>85        | 98<br>17.8<br>83  | 91<br>38<br>82   | 73<br>-10<br>80  | 72<br>-4.7<br>82  | 126<br>-27.5<br>83 | 123<br>-8.6<br>81 | 114<br>23.5<br>84 | 84<br>-8<br>82  | 97<br>10<br>82  | 85<br>-0.60<br>81 | 115<br>0.97<br>81 | 113<br>1.02<br>81 |
| OBS 220115<br>93647535<br>OBS 22 115 |  OBS 190129<br> OBS 100406       |              |                   | 76<br>82         | 126<br>81     | 93<br>80  | 83<br>77  | 95<br>79    | 90<br>73  | 115<br>77    | 90<br>74    | 117<br>77     | 69<br>2.89<br>83   | 109<br>-0.40<br>80 | 119<br>29<br>77 | 126<br>27.0<br>81 | 93<br>-3.5<br>80 | 111<br>67<br>79       | 126<br>39.4<br>79 | 123<br>157<br>77 | 129<br>-71<br>77 | 113<br>18.6<br>77 | 84<br>5.0<br>78    | 96<br>-3.2<br>77  | 108<br>19.7<br>81 | 108<br>6<br>77  | 106<br>19<br>77 | 114<br>2.22<br>77 | 107<br>0.53<br>77 | 107<br>0.72<br>77 |
| OBS 220178<br>94125903<br>OBS22178   | OBS 190207<br>OBS 190258                                                                                                                                                                           |              |                   | 106<br>60        | 93<br>62      | 98<br>48  | 105<br>9  | 102<br>34   | 98<br>41  |              |             |               | 106<br>-0.15<br>64 | 96<br>0.09<br>46   | 95<br>1<br>9    | 93<br>8.2<br>62   | 98<br>-2.0<br>48 | 92<br>22<br>40        | 86<br>8.1<br>44   | 93<br>47<br>8    |                  | 97<br>9.7<br>8    | 95<br>-3.6<br>37   | 104<br>-4.9<br>20 | 106<br>18.6<br>44 | 96<br>-1<br>8   | 92<br>6<br>8    |                   |                   |                   |
| OBS 220204<br>94141884<br>OBS22204   | 3  OBS 140279<br> OBS 170195 |              |                   | 102<br>86        | 113<br>86     | 71<br>85  | 104<br>82 | 116<br>83   | 107<br>77 | 97<br>82     | 102<br>78   | 103<br>81     | 97<br>0.60<br>87   | 115<br>-0.63<br>84 | 96<br>2<br>82   | 113<br>19.4<br>86 | 71<br>-9.6<br>85 | 89<br>17<br>84        | 107<br>24.5<br>84 | 103<br>85<br>82  | 106<br>-45<br>81 | 100<br>11.0<br>82 | 106<br>-12.0<br>83 | 113<br>-6.8<br>81 | 117<br>25.4<br>84 | 99<br>1<br>82   | 102<br>15<br>82 | 105<br>1.32<br>81 | 91<br>-0.40<br>81 | 103<br>0.46<br>81 |
| OBS 220208<br>96059027<br>OBS22208   | 1  BOS 177146<br> OBS 180115 |              |                   | 97<br>93         | 124<br>92     | 91<br>88  | 81<br>86  | 124<br>88   | 120<br>82 | 106<br>86    | 115<br>83   | 117<br>86     | 97<br>0.54<br>94   | 99<br>-0.01<br>88  | 121<br>31<br>86 | 124<br>26.2<br>92 | 91<br>-3.8<br>88 | 107<br>59<br>89       | 127<br>40.3<br>88 | 115<br>127<br>87 | 112<br>-52<br>86 | 109<br>16.0<br>87 | 107<br>-12.6<br>88 | 124<br>-8.8<br>87 | 125<br>30.4<br>89 | 103<br>3<br>87  | 119<br>31<br>87 | 123<br>3.11<br>86 | 116<br>1.07<br>86 | 107<br>0.69<br>86 |
| OBS 220211<br>95610689<br>OBS 220211 |  BOS 177146<br> OBS 160006   |              |                   | 92<br>86         | 116<br>85     | 93<br>85  | 85<br>82  | 119<br>83   | 109<br>77 | 100<br>82    | 104<br>78   | 112<br>81     | 87<br>1.42<br>87   | 119<br>-0.81<br>84 | 116<br>25<br>82 | 116<br>21.4<br>85 | 93<br>-3.4<br>85 | 102<br>48<br>84       | 113<br>29.3<br>84 | 107<br>97<br>82  | 103<br>-42<br>81 | 106<br>14.3<br>82 | 109<br>-14.4<br>84 | 116<br>-7.2<br>82 | 119<br>26.8<br>84 | 102<br>2<br>82  | 114<br>27<br>82 | 118<br>2.58<br>81 | 114<br>0.95<br>81 | 104<br>0.54<br>81 |
| OBS 220219<br>94142528<br>OBS22219   | BOS 188403<br>OBS 190033                                                                                                                                                                           |              |                   | 105<br>65        | 105<br>67     | 82<br>56  | 96<br>19  | 91<br>42    | 85<br>47  |              |             | 99<br>10      | 104<br>0.03<br>68  | 102<br>-0.12<br>55 | 103<br>10<br>19 | 105<br>15.0<br>67 | 82<br>-6.5<br>56 | 88<br>13<br>47        | 98<br>17.2<br>50  | 102<br>79<br>19  |                  | 101<br>11.5<br>20 | 82<br>6.8<br>50    | 94<br>-3.0<br>26  | 101<br>15.6<br>49 | 108<br>6<br>20  | 104<br>17<br>20 | 97<br>0.55<br>10  | 96<br>-0.14<br>9  | 104<br>0.51<br>9  |
| OBS 220227<br>94142577<br>OBS22227   | 4  BOS 188403<br> OBS 170247 |              |                   | 118<br>86        | 94<br>86      | 76<br>84  | 122<br>82 | 88<br>83    | 91<br>77  | 90<br>82     | 86<br>78    | 82<br>81      | 113<br>-0.78<br>87 | 109<br>-0.41<br>84 | 81<br>-15<br>82 | 94<br>8.4<br>86   | 76<br>-8.2<br>84 | 78<br>-10<br>84       | 91<br>12.5<br>84  | 87<br>26<br>82   | 77<br>-14<br>81  | 91<br>6.0<br>82   | 80<br>8.3<br>84    | 78<br>0.3<br>82   | 112<br>22.5<br>84 | 96<br>-1<br>82  | 90<br>4<br>82   | 79<br>-1.24<br>81 | 100<br>0.09<br>81 | 109<br>0.81<br>81 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |             |                   | Fertility        |                  |                  |                    | Frame              |                   | Carcass           |                 |                   |                   |                   |                   |
|--------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------|-------------------|------------------|------------------|------------------|--------------------|--------------------|-------------------|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility | Cow Fertility      | Longevity          | Height            | Length            | EMA             | Fat               | Marbling          |                   |                   |
| ID<br>Number<br>Name                 |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |             |                   |                  |                  |                  |                    |                    |                   |                   |                 |                   |                   |                   |                   |
| OBS 220228<br>94142585<br>OBS22228   |              | OBS 190207<br>OBS 190283 | 97<br>59         | 110<br>61     | 107<br>45 | 89<br>8   | 103<br>31   | 106<br>39 |              |             |               | 98<br>0.49<br>63   | 97<br>0.06<br>43   | 110<br>18<br>8  | 110<br>18.1<br>61 | 107<br>0.5<br>45  | 110<br>66<br>38       |             | 105<br>22.8<br>43 | 114<br>125<br>8  |                  | 115<br>19.6<br>8 | 93<br>-2.0<br>31   | 112<br>-6.5<br>18  | 103<br>16.5<br>44 | 116<br>11<br>8    | 115<br>28<br>8  |                   |                   |                   |                   |
| COR 230104<br>95693594<br>23/104     | 4            | BOS 155035<br>BOS 199331 | 78<br>64         | 115<br>67     | 103<br>56 | 78<br>34  | 109<br>45   | 96<br>50  | 102<br>24    | 92<br>45    | 113<br>18     | 74<br>2.48<br>67   | 116<br>-0.69<br>55 | 125<br>35<br>34 | 115<br>20.7<br>67 | 103<br>-0.6<br>56 | 105<br>55<br>52       |             | 114<br>29.9<br>56 | 108<br>100<br>34 | 103<br>-42<br>12 |                  | 111<br>17.4<br>35  | 106<br>-12.5<br>49 | 114<br>-6.8<br>35 | 101<br>15.5<br>52 | 116<br>11<br>35 | 117<br>29<br>35   | 108<br>1.65<br>19 | 118<br>1.14<br>18 | 108<br>0.74<br>17 |
| OBS 230037<br>95067559<br>OBS 23 37  | 4            | BOS 188403<br>OBS 190096 | 108<br>65        | 102<br>66     | 83<br>55  | 97<br>22  | 95<br>42    | 89<br>47  |              |             | 97<br>12      | 105<br>-0.09<br>68 | 106<br>-0.28<br>55 | 101<br>9<br>22  | 102<br>13.5<br>66 | 83<br>-6.3<br>55  | 86<br>9<br>48         |             | 95<br>15.1<br>50  | 98<br>66<br>22   | 93<br>-32<br>5   |                  | 95<br>8.5<br>23    | 87<br>2.5<br>49    | 92<br>-2.4<br>26  | 108<br>19.9<br>50 | 103<br>3<br>23  | 102<br>16<br>23   | 95<br>0.41<br>12  | 98<br>-0.01<br>11 | 109<br>0.80<br>11 |
| OBS 230039<br>95067575<br>OBS 23 39  | 4            | OBS 190044<br>OBS 200025 | 111<br>60        | 104<br>63     | 79<br>47  | 110<br>14 | 114<br>33   | 110<br>41 |              |             | 94<br>6       | 110<br>-0.50<br>64 | 97<br>0.05<br>46   | 92<br>-2<br>14  | 104<br>14.5<br>63 | 79<br>-7.4<br>47  | 88<br>14<br>41        |             | 99<br>18.2<br>44  | 98<br>64<br>15   |                  | 98<br>10.0<br>15 | 114<br>-18.8<br>38 | 114<br>-6.8<br>18  | 105<br>18.1<br>44 | 93<br>-3<br>15    | 95<br>9<br>14   | 95<br>0.39<br>6   | 92<br>-0.37<br>6  | 98<br>0.17<br>6   |                   |
| OBS 230040<br>95067583<br>OBS 23 40  |              | OBS 140279<br>BC 160045  | 116<br>64        | 91<br>67      | 77<br>57  | 119<br>26 | 104<br>42   | 100<br>48 |              |             | 85<br>10      | 115<br>-0.92<br>67 | 97<br>0.04<br>54   | 84<br>-11<br>26 | 91<br>7.0<br>67   | 77<br>-7.9<br>57  | 75<br>-18<br>50       |             | 85<br>7.5<br>56   | 88<br>28<br>26   | 87<br>-25<br>7   |                  | 88<br>4.5<br>27    | 113<br>-17.3<br>49 | 97<br>-3.5<br>28  | 104<br>17.1<br>50 | 86<br>-7<br>26  | 87<br>1<br>26     | 83<br>-0.82<br>10 | 90<br>-0.45<br>9  | 96<br>0.06<br>9   |
| OBS 230054<br>95175527<br>OBS2354    | 2            | BOS 122346<br>BOS 100308 | 78<br>67         | 125<br>70     | 88<br>63  | 78<br>48  | 104<br>53   | 92<br>56  | 113<br>27    | 91<br>50    | 122<br>20     | 82<br>1.79<br>69   | 93<br>0.20<br>61   | 126<br>36<br>48 | 125<br>26.6<br>70 | 88<br>-4.7<br>63  | 104<br>51<br>60       |             | 120<br>34.7<br>60 | 120<br>145<br>40 | 112<br>-52<br>11 |                  | 130<br>28.1<br>43  | 90<br>0.7<br>55    | 109<br>-5.9<br>44 | 110<br>21.0<br>60 | 124<br>15<br>42 | 128<br>40<br>42   | 115<br>2.37<br>20 | 121<br>1.36<br>19 | 121<br>1.50<br>18 |
| OBS 230057<br>97022404<br>OBS 230057 | 13           | OBS 190044<br>OBS 200037 | 110<br>60        | 106<br>49     | 83<br>43  | 105<br>18 | 111<br>32   | 110<br>38 |              |             | 97<br>7       | 110<br>-0.54<br>64 | 95<br>0.13<br>45   | 95<br>1<br>18   | 106<br>15.7<br>49 | 83<br>-6.2<br>43  | 93<br>26<br>37        |             | 99<br>18.3<br>38  | 99<br>68<br>19   | 98<br>-37<br>5   |                  | 99<br>10.8<br>19   | 110<br>-15.5<br>35 | 111<br>-6.2<br>18 | 106<br>18.2<br>43 | 98<br>1<br>19   | 100<br>13<br>18   | 96<br>0.50<br>7   | 89<br>-0.52<br>7  | 93<br>-0.10<br>6  |
| OBS 230062<br>95175543<br>OBS2362    |              | BOS 188403<br>BOS 100801 | 119<br>66        | 97<br>69      | 66<br>58  | 104<br>22 | 93<br>42    | 83<br>49  |              |             | 89<br>10      | 113<br>-0.78<br>69 | 110<br>-0.45<br>57 | 96<br>3<br>22   | 97<br>10.6<br>69  | 66<br>-11.0<br>58 | 68<br>-33<br>50       |             | 90<br>11.0<br>53  | 91<br>38<br>28   |                  | 87<br>4.0<br>30  | 82<br>6.4<br>51    | 90<br>-2.1<br>25   | 111<br>21.5<br>50 | 96<br>-1<br>28    | 91<br>5<br>28   | 84<br>-0.72<br>10 | 98<br>-0.02<br>9  | 102<br>0.42<br>9  |                   |
| OBS 230064<br>95175550<br>OBS2364    | 2            | BOS 177146<br>OBS 140041 | 101<br>65        | 110<br>69     | 83<br>62  | 92<br>37  | 120<br>51   | 108<br>53 | 92<br>30     | 101<br>48   | 102<br>28     | 97<br>0.55<br>67   | 110<br>-0.47<br>56 | 107<br>15<br>37 | 110<br>17.7<br>69 | 83<br>-6.1<br>62  | 92<br>23<br>56        |             | 111<br>27.3<br>58 | 98<br>66<br>39   | 94<br>-32<br>19  |                  | 101<br>11.5<br>42  | 108<br>-13.8<br>55 | 115<br>-7.2<br>42 | 123<br>29.1<br>55 | 90<br>-4<br>42  | 106<br>19<br>41   | 106<br>1.43<br>30 | 116<br>1.03<br>27 | 97<br>0.16<br>26  |
| OBS 230065<br>95175568<br>OBS2365    |              | BOS 122346<br>OBS 130063 | 90<br>67         | 96<br>69      | 90<br>63  | 97<br>44  | 101<br>51   | 84<br>55  | 79<br>22     | 76<br>48    | 81<br>14      | 95<br>0.73<br>69   | 86<br>0.49<br>61   | 101<br>8<br>44  | 96<br>10.0<br>69  | 90<br>-4.3<br>63  | 86<br>8<br>59         |             | 92<br>12.7<br>56  | 80<br>1<br>34    | 66<br>-2<br>8    |                  | 100<br>11.0<br>36  | 101<br>-8.4<br>55  | 97<br>-3.5<br>41  | 106<br>18.5<br>56 | 88<br>-6<br>36  | 86<br>0<br>36     | 75<br>-1.58<br>15 | 108<br>0.57<br>14 | 101<br>0.37<br>14 |
| OBS 230066<br>95175576<br>OBS2366    |              | BOS 188403<br>BC 150542  | 112<br>64        | 93<br>67      | 84<br>56  | 102<br>19 | 92<br>39    | 85<br>46  |              |             | 88<br>10      | 111<br>-0.58<br>67 | 98<br>0.02<br>54   | 97<br>3<br>19   | 93<br>8.3<br>67   | 84<br>-5.8<br>56  | 79<br>-7<br>47        |             | 89<br>10.2<br>52  | 91<br>41<br>19   |                  | 91<br>5.9<br>20  | 88<br>2.1<br>49    | 91<br>-2.2<br>22   | 104<br>17.3<br>47 | 96<br>-1<br>20    | 93<br>7<br>19   | 83<br>-0.78<br>10 | 95<br>-0.17<br>9  | 98<br>0.18<br>9   |                   |
| OBS 230067<br>95175584<br>OBS2367    |              | BOS 188403<br>BC 170547  | 110<br>66        | 103<br>68     | 87<br>56  | 95<br>24  | 101<br>42   | 96<br>48  |              |             | 100<br>12     | 106<br>-0.19<br>69 | 107<br>-0.32<br>55 | 104<br>11<br>24 | 103<br>14.1<br>68 | 87<br>-5.0<br>56  | 90<br>19<br>49        |             | 99<br>18.5<br>54  | 100<br>74<br>21  | 98<br>-37<br>9   |                  | 98<br>10.0<br>22   | 92<br>-1.5<br>51   | 105<br>-5.1<br>25 | 104<br>17.4<br>49 | 108<br>6<br>22  | 106<br>19<br>22   | 93<br>0.18<br>13  | 106<br>0.43<br>11 | 110<br>0.86<br>11 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
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Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal              |                      |              |                   | Selection Values |               |        |          |             |           |              |             | Birth         |              | Wean      |           |         |          | Growth                |             |     | Fertility |               |                  |               | Frame     |        | Carcass |       |       |          |
|---------------------|----------------------|--------------|-------------------|------------------|---------------|--------|----------|-------------|-----------|--------------|-------------|---------------|--------------|-----------|-----------|---------|----------|-----------------------|-------------|-----|-----------|---------------|------------------|---------------|-----------|--------|---------|-------|-------|----------|
| Index<br>EBV<br>Acc | ID<br>Number<br>Name | % Inbreeding | Sire ID<br>Dam ID | Calv. Ease V     | Calf Growth V | Milk V | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height | Length  | EMA   | Fat   | Marbling |
|                     |                      |              |                   |                  |               |        |          |             |           |              |             |               |              |           |           |         |          |                       |             |     |           |               |                  |               |           |        |         |       |       |          |
|                     | OBS 230070           |              | BOS 188403        | 112              | 111           | 69     | 97       | 97          | 91        | 95           | 86          | 99            | 105          | 118       | 103       | 111     | 69       | 83                    | 106         | 98  | 91        | 94            | 90               | 96            | 106       | 100    | 101     | 103   | 101   | 113      |
|                     | 95279477             |              | PD 080151         | 86               | 86            | 84     | 81       | 83          | 77        | 80           | 78          | 80            | -0.07        | -0.76     | 10        | 18.5    | -10.1    | 3                     | 23.6        | 66  | -30       | 7.9           | 0.7              | -3.3          | 18.7      | 1      | 14      | 1.15  | 0.19  | 1.04     |
|                     | OBS2370              |              |                   |                  |               |        |          |             |           |              |             |               | 86           | 84        | 81        | 86      | 84       | 84                    | 84          | 81  | 80        | 81            | 83               | 81            | 84        | 81     | 81      | 80    | 80    | 80       |
|                     | OBS 230073           |              | BOS 122346        | 102              | 118           | 70     | 87       | 105         | 94        | 108          | 91          | 113           | 105          | 88        | 115       | 118     | 70       | 88                    | 111         | 113 | 107       | 127           | 102              | 102           | 109       | 121    | 117     | 112   | 105   | 114      |
|                     | 95279493             |              | OBS 130109        | 86               | 86            | 85     | 83       | 83          | 78        | 82           | 79          | 81            | -0.11        | 0.42      | 24        | 22.7    | -9.7     | 13                    | 27.9        | 119 | -46       | 26.7          | -9.2             | -4.4          | 20.3      | 13     | 30      | 2.00  | 0.38  | 1.07     |
|                     | OBS2373              |              |                   |                  |               |        |          |             |           |              |             |               | 86           | 85        | 83        | 86      | 85       | 85                    | 84          | 82  | 81        | 82            | 83               | 82            | 84        | 82     | 82      | 81    | 81    | 81       |
|                     | OBS 230079           |              | BOS 188403        | 102              | 99            | 94     | 96       | 102         | 94        | 102          | 90          | 95            | 103          | 97        | 102       | 99      | 94       | 91                    | 95          | 99  | 86        | 97            | 93               | 99            | 112       | 103    | 102     | 93    | 100   | 111      |
|                     | 95279527             |              | PD 070242         | 86               | 87            | 85     | 81       | 83          | 77        | 80           | 78          | 80            | 0.11         | 0.07      | 9         | 11.4    | -3.2     | 20                    | 15.1        | 67  | -24       | 9.2           | -1.9             | -3.9          | 22.0      | 3      | 15      | 0.12  | 0.09  | 0.92     |
|                     | OBS2379              |              |                   |                  |               |        |          |             |           |              |             |               | 87           | 84        | 81        | 87      | 85       | 84                    | 84          | 81  | 80        | 81            | 83               | 81            | 84        | 81     | 81      | 80    | 80    | 80       |
|                     | OBS 230082           |              | BOS 188403        | 109              | 92            | 103    | 97       | 97          | 94        |              |             | 90            | 107          | 104       | 101       | 92      | 103      | 92                    | 88          | 92  |           | 93            | 89               | 95            | 109       | 104    | 98      | 86    | 91    | 88       |
|                     | 95279568             |              | BC 170024         | 62               | 65            | 55     | 19       | 36          | 45        |              |             | 10            | -0.21        | -0.21     | 8         | 7.2     | -0.5     | 23                    | 9.4         | 44  |           | 7.2           | 0.8              | -3.0          | 20.5      | 4      | 12      | -0.49 | -0.41 | -0.37    |
|                     | OBS2382              |              |                   |                  |               |        |          |             |           |              |             |               | 65           | 53        | 19        | 65      | 55       | 46                    | 46          | 19  |           | 20            | 44               | 20            | 45        | 20     | 19      | 10    | 9     | 9        |
|                     | OBS 230096           |              | BOS 188403        | 117              | 99            | 85     | 102      | 93          | 93        | 103          | 90          | 96            | 114          | 105       | 97        | 99      | 85       | 86                    | 99          | 101 | 92        | 92            | 90               | 90            | 104       | 89     | 98      | 94    | 88    | 108      |
|                     | 95410825             |              | OBS 130230        | 86               | 86            | 84     | 81       | 82          | 77        | 80           | 78          | 81            | -0.80        | -0.26     | 4         | 11.4    | -5.5     | 9                     | 17.9        | 77  | -30       | 6.4           | 0.5              | -2.1          | 17.5      | -5     | 11      | 0.26  | -0.62 | 0.76     |
|                     | OBS 23 96            |              |                   |                  |               |        |          |             |           |              |             |               | 86           | 84        | 81        | 86      | 84       | 84                    | 84          | 81  | 80        | 81            | 83               | 81            | 83        | 81     | 81      | 81    | 81    | 80       |
|                     | OBS 230103           | 1            | OBS 190129        | 78               | 125           | 93     | 82       | 105         | 98        |              |             | 115           | 77           | 109       | 120       | 125     | 93       | 110                   | 124         | 115 | 115       | 111           | 94               | 107           | 109       | 117    | 119     | 113   | 99    | 101      |
|                     | 95410866             |              | OBS 150252        | 60               | 63            | 49     | 22       | 36          | 43        |              |             | 14            | 2.21         | -0.41     | 29        | 26.8    | -3.5     | 65                    | 37.2        | 125 | -55       | 17.7          | -2.8             | -5.5          | 20.3      | 11     | 32      | 2.17  | 0.07  | 0.33     |
|                     | OBS 23 103           |              |                   |                  |               |        |          |             |           |              |             |               | 64           | 47        | 22        | 63      | 49       | 45                    | 45          | 22  | 6         | 23            | 35               | 26            | 47        | 23     | 23      | 15    | 14    | 13       |
|                     | OBS 230111           | 4            | BOS 188403        | 111              | 100           | 75     | 103      | 99          | 90        | 84           | 83          | 85            | 107          | 109       | 97        | 100     | 75       | 79                    | 96          | 86  | 85        | 86            | 88               | 96            | 113       | 90     | 84      | 82    | 113   | 112      |
|                     | 95410874             |              | OBS 170116        | 86               | 86            | 84     | 82       | 83          | 77        | 82           | 78          | 81            | -0.23        | -0.42     | 3         | 12.1    | -8.5     | -9                    | 15.6        | 22  | -22       | 3.2           | 1.9              | -3.3          | 22.7      | -4     | -2      | -0.90 | 0.88  | 0.99     |
|                     | OBS 23 111           |              |                   |                  |               |        |          |             |           |              |             |               | 87           | 84        | 82        | 86      | 84       | 84                    | 84          | 82  | 81        | 82            | 84               | 82            | 84        | 82     | 82      | 81    | 81    | 81       |
|                     | OBS 230140           | 1            | BOS 199260        | 102              | 113           | 79     | 98       | 118         | 110       |              |             | 107           | 96           | 118       | 101       | 113     | 79       | 94                    | 110         | 110 | 102       | 105           | 106              | 119           | 117       | 97     | 111     | 107   | 102   | 104      |
|                     | 95907952             |              | OBS 180249        | 62               | 65            | 50     | 24       | 41          | 46        |              |             | 14            | 0.69         | -0.76     | 9         | 19.9    | -7.4     | 29                    | 26.5        | 107 | -41       | 14.2          | -12.5            | -7.8          | 25.3      | 0      | 24      | 1.58  | 0.22  | 0.53     |
|                     | OBS 23 140           |              |                   |                  |               |        |          |             |           |              |             |               | 66           | 47        | 24        | 65      | 50       | 46                    | 52          | 24  | 8         | 25            | 43               | 31            | 48        | 24     | 24      | 14    | 13    | 13       |
|                     | OBS 230147           |              | BOS 188403        | 114              | 90            | 85     | 111      | 94          | 90        |              |             | 83            | 111          | 105       | 92        | 90      | 85       | 78                    | 87          | 86  |           | 87            | 90               | 91            | 105       | 95     | 91      | 79    | 94    | 97       |
|                     | 95908059             |              | BC 160520         | 65               | 65            | 55     | 24       | 39          | 47        |              |             | 10            | -0.55        | -0.25     | -2        | 6.5     | -5.7     | -10                   | 9.0         | 22  |           | 4.0           | 0.0              | -2.2          | 17.9      | -1     | 5       | -1.24 | -0.26 | 0.13     |
|                     | OBS 23 147           |              |                   |                  |               |        |          |             |           |              |             |               | 68           | 54        | 24        | 65      | 55       | 48                    | 44          | 19  |           | 20            | 47               | 23            | 47        | 20     | 19      | 10    | 9     | 9        |
|                     | OBS 230148           |              | BOS 188403        | 114              | 94            | 77     | 102      | 98          | 86        |              |             | 86            | 109          | 110       | 97        | 94      | 77       | 73                    | 91          | 88  |           | 87            | 93               | 93            | 109       | 94     | 91      | 82    | 98    | 98       |
|                     | 95908067             |              | BC 170588         | 63               | 66            | 55     | 19       | 35          | 45        |              |             | 10            | -0.40        | -0.46     | 4         | 8.4     | -7.8     | -21                   | 12.4        | 30  |           | 3.9           | -1.9             | -2.6          | 20.6      | -2     | 5       | -0.91 | -0.03 | 0.16     |
|                     | OBS 23 148           |              |                   |                  |               |        |          |             |           |              |             |               | 66           | 53        | 19        | 66      | 55       | 47                    | 46          | 19  |           | 20            | 41               | 19            | 45        | 20     | 19      | 10    | 9     | 9        |
|                     | OBS 230163           | 1            | BOS 122346        | 69               | 126           | 84     | 83       | 107         | 91        | 109          | 89          | 117           | 76           | 87        | 119       | 126     | 84       | 104                   | 117         | 116 | 111       | 134           | 101              | 103           | 112       | 126    | 122     | 115   | 113   | 117      |
|                     | 95908653             |              | OBS 160077        | 87               | 87            | 86     | 83       | 84          | 78        | 82           | 79          | 82            | 2.34         | 0.46      | 28        | 27.1    | -5.9     | 52                    | 32.5        | 131 | -51       | 30.4          | -8.6             | -4.7          | 22.1      | 17     | 35      | 2.31  | 0.87  | 1.27     |
|                     | OBS 23 163           |              |                   |                  |               |        |          |             |           |              |             |               | 87           | 85        | 83        | 86      | 85       | 85                    | 85          | 83  | 81        | 83            | 85               | 83            | 85        | 83     | 83      | 82    | 82    | 82       |
|                     | OBS 230164           | 4            | BOS 188403        | 111              | 94            | 76     | 118      | 97          | 93        |              |             | 75            | 107          | 109       | 86        | 94      | 76       | 77                    | 91          | 79  | 69        | 78            | 90               | 93            | 111       | 82     | 80      | 73    | 96    | 102      |
|                     | 95908661             |              | OBS 170163        | 65               | 68            | 57     | 22       | 42          | 48        |              |             | 12            | -0.23        | -0.43     | -9        | 8.6     | -8.1     | -13                   | 12.1        | -5  | -5        | -1.7          | 0.7              | -2.7          | 21.4      | -9     | -5      | -1.78 | -0.15 | 0.39     |
|                     | OBS23164             |              |                   |                  |               |        |          |             |           |              |             |               | 68           | 55        | 22        | 68      | 57       | 49                    | 49          | 22  | 5         | 23            | 51               | 27            | 49        | 23     | 23      | 12    | 11    | 11       |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          |  | Selection Values |               |          |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                  | Growth                   |                   |                 | Fertility        |                   |                    |                   | Frame             |                 | Carcass         |                   |                   |                   |
|--------------------------------------|--------------|--------------------------|--|------------------|---------------|----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|--------------------------|-------------------|-----------------|------------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        |  | Calv. Ease V     | Calf Growth V | Milk V   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf<br>Ratio (Wean) | Postwean wt       | ADG             | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                 |              |                          |  |                  |               |          |           |             |           |              |             |               |                    |                    |                 |                   |                  |                          |                   |                 |                  |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 230165<br>95908679<br>OBS 23 165 | 4            | BOS 188403<br>OBS 180097 |  | 99<br>86         | 107<br>86     | 80<br>84 | 99<br>81  | 90<br>82    | 83<br>77  | 96<br>80     | 79<br>78    | 96<br>80      | 95<br>0.76<br>86   | 125<br>-1.03<br>84 | 100<br>8        | 107<br>15.9<br>86 | 80<br>-7.0<br>84 | 89<br>15<br>84           | 100<br>18.7<br>84 | 97<br>63<br>81  | 92<br>-31<br>80  | 87<br>3.8<br>81   | 85<br>4.2<br>83    | 77<br>0.5<br>81   | 113<br>22.9<br>83 | 98<br>0<br>81   | 98<br>11<br>81  | 88<br>-0.37<br>80 | 109<br>0.63<br>80 | 114<br>1.07<br>80 |
| OBS 230172<br>95908729<br>OBS 23 172 | 4            | BOS 188403<br>OBS 180014 |  | 109<br>86        | 106<br>86     | 86<br>84 | 90<br>81  | 110<br>82   | 100<br>77 | 104<br>80    | 97<br>78    | 100<br>80     | 107<br>-0.24<br>86 | 101<br>-0.11<br>84 | 110<br>18<br>81 | 106<br>15.3<br>86 | 86<br>-5.5<br>84 | 88<br>15<br>84           | 103<br>21.0<br>84 | 101<br>74<br>81 | 86<br>-23<br>80  | 107<br>15.1<br>81 | 108<br>-13.5<br>83 | 107<br>-5.4<br>81 | 110<br>20.8<br>83 | 102<br>3<br>81  | 106<br>19<br>81 | 96<br>0.49<br>80  | 112<br>0.82<br>80 | 112<br>0.99<br>80 |
| OBS 230190<br>95908836<br>OBS 23 190 | 4            | BOS 188403<br>OBS 160531 |  | 112<br>86        | 106<br>86     | 83<br>84 | 100<br>81 | 89<br>83    | 92<br>77  | 98<br>81     | 87<br>78    | 101<br>81     | 111<br>-0.54<br>86 | 99<br>-0.03<br>84  | 98<br>5<br>81   | 106<br>15.8<br>86 | 83<br>-6.2<br>84 | 91<br>22<br>84           | 101<br>20.2<br>84 | 100<br>72<br>81 | 91<br>-29<br>81  | 107<br>15.1<br>81 | 88<br>1.6<br>83    | 81<br>-0.3<br>81  | 106<br>18.3<br>84 | 96<br>-1<br>81  | 104<br>17<br>81 | 101<br>0.94<br>81 | 103<br>0.28<br>81 | 118<br>1.30<br>81 |
| OBS 230200<br>95908851<br>OBS 23 200 |              | BOS 188403<br>OBS 160519 |  | 97<br>86         | 109<br>86     | 70<br>84 | 103<br>81 | 105<br>83   | 92<br>77  | 102<br>81    | 88<br>78    | 99<br>81      | 94<br>0.87<br>87   | 110<br>-0.43<br>84 | 97<br>3<br>81   | 109<br>17.3<br>86 | 70<br>-9.9<br>84 | 84<br>4<br>84            | 100<br>18.8<br>84 | 101<br>75<br>81 | 93<br>-31<br>81  | 96<br>8.6<br>81   | 101<br>-8.2<br>84  | 102<br>-4.4<br>81 | 109<br>20.3<br>84 | 102<br>2<br>81  | 102<br>15<br>81 | 96<br>0.45<br>81  | 104<br>0.36<br>81 | 110<br>0.85<br>81 |
| OBS 230205<br>95909008<br>OBS 23 205 |              | BOS 188403<br>OBS 190025 |  | 129<br>85        | 94<br>86      | 83<br>84 | 121<br>80 | 117<br>82   | 122<br>77 | 87<br>80     | 113<br>78   | 84<br>80      | 121<br>-1.45<br>86 | 112<br>-0.53<br>83 | 81<br>-14<br>80 | 94<br>8.6<br>86   | 83<br>-6.3<br>84 | 84<br>5<br>83            | 89<br>10.9<br>83  | 86<br>20<br>80  | 78<br>-15<br>80  | 84<br>2.2<br>80   | 100<br>-7.6<br>83  | 129<br>-9.8<br>81 | 110<br>21.1<br>83 | 85<br>-7<br>80  | 87<br>1<br>80   | 82<br>-0.96<br>80 | 101<br>0.17<br>80 | 108<br>0.73<br>80 |
| OBS 230228<br>95909271<br>OBS 23 228 | 6            | BOS 200138<br>OBS 170058 |  | 121<br>85        | 111<br>85     | 76<br>82 | 104<br>80 | 115<br>81   | 117<br>76 | 103<br>80    | 112<br>77   | 103<br>79     | 116<br>-0.96<br>86 | 109<br>-0.41<br>82 | 96<br>2<br>80   | 111<br>18.7<br>85 | 76<br>-8.2<br>82 | 92<br>24<br>82           | 100<br>19.3<br>82 | 105<br>89<br>80 | 102<br>-41<br>79 | 108<br>15.6<br>80 | 110<br>-15.2<br>81 | 107<br>-5.5<br>80 | 118<br>25.9<br>82 | 97<br>0<br>80   | 97<br>11<br>80  | 107<br>1.51<br>79 | 97<br>-0.05<br>79 | 102<br>0.43<br>79 |
| OBS 230229<br>95909289<br>OBS 23 229 |              | BOS 188403<br>OBS 180229 |  | 109<br>65        | 99<br>67      | 80<br>56 | 105<br>19 | 90<br>41    | 86<br>47  |              |             | 90<br>10      | 107<br>-0.25<br>68 | 103<br>-0.17<br>55 | 95<br>1         | 99<br>11.7<br>67  | 80<br>-7.0<br>56 | 83<br>1                  | 92<br>13.1<br>50  | 93<br>47<br>19  |                  | 93<br>7.2<br>20   | 83<br>5.5<br>50    | 89<br>-1.8<br>25  | 105<br>17.9<br>49 | 98<br>0<br>20   | 94<br>8<br>20   | 88<br>-0.36<br>10 | 97<br>-0.09<br>9  | 106<br>0.64<br>9  |
| OBS 230235<br>95909297<br>OBS 23 235 |              | BOS 188403<br>OBS 160054 |  | 109<br>67        | 100<br>68     | 87<br>58 | 105<br>19 | 101<br>43   | 98<br>48  |              |             | 88<br>10      | 106<br>-0.19<br>69 | 104<br>-0.22<br>58 | 94<br>1         | 100<br>11.8<br>68 | 87<br>-5.2<br>58 | 89<br>16<br>48           | 92<br>13.2<br>50  | 91<br>39<br>19  |                  | 94<br>8.0<br>20   | 92<br>-1.4<br>51   | 102<br>-4.4<br>27 | 109<br>20.2<br>50 | 98<br>0<br>20   | 93<br>6<br>20   | 87<br>-0.43<br>10 | 95<br>-0.20<br>9  | 100<br>0.32<br>9  |
| OBS 230243<br>95909388<br>OBS 23 243 |              | BOS 188403<br>OBS 170115 |  | 111<br>62        | 90<br>64      | 97<br>55 | 110<br>19 | 96<br>35    | 97<br>44  |              |             | 77<br>10      | 108<br>-0.36<br>65 | 103<br>-0.17<br>53 | 91<br>-3<br>19  | 90<br>6.5<br>64   | 97<br>-2.2<br>55 | 89<br>16<br>46           | 89<br>10.6<br>45  | 81<br>4<br>19   |                  | 83<br>1.7<br>20   | 86<br>3.7<br>43    | 89<br>-1.9<br>19  | 116<br>24.7<br>44 | 92<br>-3<br>20  | 85<br>-1<br>19  | 75<br>-1.59<br>10 | 89<br>-0.56<br>9  | 83<br>-0.67<br>9  |
| OBS 230248<br>95912507<br>OBS 23 248 |              | BOS 122346<br>OBS 180115 |  | 85<br>67         | 110<br>67     | 95<br>57 | 90<br>44  | 101<br>49   | 92<br>53  | 97<br>22     | 87<br>47    | 99<br>16      | 92<br>1.02<br>69   | 83<br>0.63<br>59   | 110<br>18<br>44 | 110<br>18.1<br>67 | 95<br>-2.7<br>57 | 101<br>45<br>56          | 107<br>24.4<br>56 | 99<br>70<br>35  | 91<br>-29<br>8   | 113<br>18.7<br>37 | 98<br>-6.1<br>50   | 91<br>-2.2<br>41  | 115<br>23.9<br>56 | 102<br>3<br>37  | 104<br>17<br>37 | 95<br>0.39<br>16  | 117<br>1.08<br>15 | 108<br>0.78<br>14 |
| OBS 230252<br>95912531<br>OBS 23 252 |              | BOS 188403<br>OBS 180231 |  | 115<br>86        | 94<br>87      | 77<br>85 | 115<br>81 | 103<br>83   | 98<br>77  | 86<br>81     | 91<br>78    | 83<br>81      | 112<br>-0.63<br>87 | 105<br>-0.27<br>84 | 88<br>-6<br>81  | 94<br>8.7<br>87   | 77<br>-8.0<br>85 | 76<br>-14<br>84          | 89<br>10.7<br>84  | 89<br>34<br>81  | 88<br>-26<br>81  | 76<br>-2.6<br>82  | 102<br>-9.2<br>84  | 100<br>-4.1<br>82 | 106<br>18.4<br>84 | 79<br>-11<br>82 | 80<br>-6<br>81  | 83<br>-0.87<br>81 | 98<br>-0.02<br>81 | 104<br>0.55<br>81 |
| OBS 230270<br>95912614<br>OBS 23 270 |              | BOS 188403<br>OBS 190244 |  | 105<br>65        | 101<br>67     | 84<br>56 | 112<br>20 | 96<br>42    | 96<br>47  |              |             | 87<br>10      | 101<br>0.24<br>68  | 111<br>-0.48<br>55 | 91<br>-3<br>20  | 101<br>12.7<br>67 | 84<br>-5.9<br>56 | 90<br>18<br>48           | 96<br>15.7<br>50  | 91<br>40<br>20  |                  | 90<br>5.5<br>21   | 88<br>2.0<br>52    | 90<br>-2.1<br>26  | 111<br>21.7<br>49 | 92<br>-3<br>21  | 89<br>3<br>21   | 86<br>-0.51<br>10 | 99<br>0.06<br>9   | 110<br>0.86<br>9  |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                             |              |                   |  | Selection Values |                                                                                   |                          |           |             |           |              |             | Birth         |              | Wean      |           |             |              | Growth                   |             |            | Fertility |               |                  |               | Frame     |             | Carcass     |             |          |           |             |             |             |
|------------------------------------|--------------|-------------------|--|------------------|-----------------------------------------------------------------------------------|--------------------------|-----------|-------------|-----------|--------------|-------------|---------------|--------------|-----------|-----------|-------------|--------------|--------------------------|-------------|------------|-----------|---------------|------------------|---------------|-----------|-------------|-------------|-------------|----------|-----------|-------------|-------------|-------------|
| Index<br>EBV<br>Acc                | % Inbreeding | Sire ID<br>Dam ID |  | Calv. Ease V     | Calf Growth V                                                                     | Milk V                   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat | Mature wt | Wean wt     | Wean mat     | Cow-Calf<br>Ratio (Wean) | Postwean wt | ADG        | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height      | Length      | EMA         | Fat      | Marbling  |             |             |             |
| ID<br>Number<br>Name               |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230275<br>96354485<br>OBS23275 |              |                   |  | 1                |  | BOS 188403<br>OBS 200030 | 104<br>85 | 112<br>85   | 81<br>83  | 112<br>80    | 106<br>82   | 110<br>76     | 102<br>80    | 105<br>77 | 105<br>80 | 100<br>0.33 | 111<br>-0.49 | 91<br>-3                 | 112<br>18.9 | 81<br>-6.9 | 99<br>39  | 111<br>27.4   | 107<br>98        | 104<br>-44    | 97<br>9.4 | 100<br>-7.4 | 106<br>-5.3 | 107<br>19.4 | 108<br>6 | 109<br>22 | 104<br>1.25 | 103<br>0.26 | 115<br>1.16 |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |
| OBS 230284<br>96354535<br>OBS23284 |              |                   |  |                  |                                                                                   |                          |           |             |           |              |             |               |              |           |           |             |              |                          |             |            |           |               |                  |               |           |             |             |             |          |           |             |             |             |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |                                                                                         |                          | Selection Values |               |          |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |             |                   | Fertility        |                  |                   |                    | Frame              |                   | Carcass         |                 |                   |                   |                   |
|--------------------------------------|-----------------------------------------------------------------------------------------|--------------------------|------------------|---------------|----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------|-------------------|------------------|------------------|-------------------|--------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding                                                                            | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility  | Cow Fertility      | Longevity          | Height            | Length          | EMA             | Fat               | Marbling          |                   |
| ID<br>Number<br>Name                 |                                                                                         |                          |                  |               |          |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |             |                   |                  |                  |                   |                    |                    |                   |                 |                 |                   |                   |                   |
| OBS 240052<br>97100382<br>OBS 24 52  |                                                                                         | V8 200394<br>OBS 160076  | 109<br>64        | 99<br>65      | 90<br>50 | 104<br>23 | 110<br>37   | 106<br>45 |              |             | 92<br>7       | 113<br>-0.74<br>68 | 85<br>0.52<br>52   | 95<br>2<br>23   | 99<br>11.8<br>65  | 90<br>-4.3<br>50  | 91<br>21<br>46        |             | 96<br>15.6<br>50  | 94<br>50<br>23   |                  | 95<br>8.2<br>25   | 111<br>-15.9<br>39 | 106<br>-5.2<br>23  | 109<br>20.2<br>48 | 97<br>0<br>25   | 96<br>10<br>24  | 92<br>0.07<br>7   | 100<br>0.10<br>7  | 94<br>-0.04<br>6  |
| OBS 240055<br>97100408<br>OBS 24 55  |                                                                                         | V8 200394<br>OBS 160518  | 97<br>63         | 105<br>65     | 96<br>49 | 97<br>23  | 98<br>36    | 96<br>45  |              |             | 99<br>7       | 101<br>0.28<br>67  | 89<br>0.36<br>51   | 101<br>8<br>23  | 105<br>15.0<br>65 | 96<br>-2.6<br>49  | 100<br>42<br>46       |             | 100<br>19.4<br>41 | 101<br>76<br>23  |                  | 101<br>11.7<br>25 | 97<br>-5.1<br>39   | 98<br>-3.6<br>23   | 102<br>16.2<br>47 | 105<br>4<br>25  | 104<br>18<br>24 | 99<br>0.74<br>7   | 101<br>0.19<br>7  | 97<br>0.12<br>6   |
| OBS 240058<br>97100424<br>OBS 24 58  | 1                                                                                       | BOS 211175<br>OBS 210138 | 100<br>60        | 101<br>53     | 90<br>42 | 107<br>18 | 109<br>35   | 104<br>39 |              |             | 88<br>8       | 100<br>0.37<br>65  | 100<br>-0.06<br>43 | 94<br>0<br>18   | 101<br>12.5<br>53 | 90<br>-4.2<br>42  | 94<br>27<br>38        |             | 97<br>16.4<br>42  | 92<br>44<br>24   | 88<br>-26<br>5   | 89<br>4.7<br>25   | 97<br>-5.1<br>41   | 105<br>-5.1<br>20  | 118<br>26.0<br>44 | 87<br>-6<br>23  | 88<br>2<br>23   | 89<br>-0.26<br>8  | 91<br>-0.42<br>7  | 99<br>0.22<br>7   |
| OBS 240063<br>97100473<br>OBS 24 63  | 2                                                                                       | BOS 199077<br>OBS 140041 | 102<br>62        | 98<br>66      | 85<br>50 | 112<br>27 | 97<br>38    | 94<br>46  |              |             | 87<br>16      | 97<br>0.62<br>66   | 114<br>-0.61<br>49 | 91<br>-3<br>27  | 98<br>11.1<br>66  | 85<br>-5.6<br>50  | 88<br>13<br>48        |             | 94<br>14.5<br>42  | 90<br>35<br>26   | 84<br>-22<br>8   | 100<br>10.8<br>28 | 103<br>-10.0<br>37 | 87<br>-1.5<br>27   | 106<br>18.2<br>50 | 82<br>-9<br>28  | 93<br>6<br>27   | 93<br>0.16<br>17  | 90<br>-0.48<br>16 | 90<br>-0.27<br>15 |
| OBS 240069<br>97100515<br>OBS 24 69  |      | OBS 200138<br>PD 070242  | 103<br>84        | 119<br>85     | 98<br>83 | 92<br>80  | 115<br>81   | 121<br>76 | 120<br>80    | 119<br>77   | 112<br>79     | 103<br>0.06<br>85  | 99<br>0.00<br>82   | 107<br>15<br>80 | 119<br>23.2<br>85 | 98<br>-2.1<br>83  | 113<br>74<br>83       |             | 117<br>32.0<br>82 | 117<br>134<br>80 | 108<br>-48<br>79 | 107<br>14.9<br>80 | 109<br>-14.5<br>81 | 110<br>-6.1<br>80  | 116<br>24.6<br>83 | 118<br>12<br>80 | 114<br>27<br>80 | 109<br>1.76<br>79 | 91<br>-0.41<br>79 | 102<br>0.44<br>79 |
| OBS 240081<br>97100564<br>OBS 24 81  |                                                                                         | BOS 199260<br>BC 170547  | 109<br>62        | 107<br>66     | 88<br>50 | 96<br>26  | 130<br>40   | 121<br>46 |              |             | 103<br>14     | 102<br>0.19<br>66  | 120<br>-0.83<br>47 | 103<br>10<br>26 | 107<br>15.9<br>66 | 88<br>-4.9<br>50  | 94<br>28<br>47        |             | 104<br>22.4<br>54 | 105<br>90<br>23  | 101<br>-40<br>11 | 99<br>10.8<br>24  | 121<br>-23.7<br>43 | 132<br>-10.4<br>29 | 117<br>25.5<br>48 | 98<br>0<br>24   | 109<br>22<br>23 | 99<br>0.79<br>14  | 105<br>0.37<br>13 | 100<br>0.29<br>13 |
| OBS 240082<br>97100572<br>OBS 24 82  |                                                                                         | BOS 199260<br>OBS 160129 | 105<br>61        | 103<br>64     | 84<br>51 | 101<br>21 | 121<br>37   | 110<br>44 |              |             | 95<br>12      | 98<br>0.48<br>65   | 118<br>-0.79<br>46 | 98<br>4<br>21   | 103<br>13.6<br>64 | 84<br>-5.9<br>51  | 89<br>15<br>45        |             | 100<br>19.3<br>50 | 97<br>62<br>21   | 97<br>-36<br>8   | 94<br>7.6<br>22   | 112<br>-16.7<br>40 | 115<br>-7.1<br>25  | 122<br>28.6<br>45 | 93<br>-3<br>21  | 102<br>15<br>21 | 91<br>-0.07<br>12 | 98<br>-0.03<br>11 | 96<br>0.05<br>11  |
| OBS 240088<br>97100648<br>OBS 24 88  | 1                                                                                       | BOS 211175<br>OBS 210146 | 102<br>60        | 101<br>52     | 89<br>39 | 104<br>18 | 106<br>35   | 101<br>38 |              |             | 91<br>8       | 102<br>0.16<br>65  | 99<br>-0.02<br>43  | 95<br>2<br>18   | 101<br>12.8<br>52 | 89<br>-4.5<br>39  | 93<br>24<br>36        |             | 96<br>15.7<br>42  | 95<br>54<br>24   | 92<br>-30<br>5   | 91<br>5.9<br>25   | 92<br>-1.4<br>41   | 105<br>-5.1<br>19  | 116<br>24.6<br>44 | 90<br>-5<br>23  | 92<br>5<br>23   | 91<br>-0.05<br>8  | 93<br>-0.28<br>7  | 104<br>0.54<br>7  |
| OBS 240096<br>97100671<br>OBS 24 96  | 1  | OBS 200138<br>OBS 170116 | 122<br>85        | 108<br>85     | 65<br>83 | 107<br>80 | 126<br>82   | 118<br>76 | 97<br>80     | 112<br>77   | 97<br>80      | 115<br>-0.94<br>85 | 112<br>-0.53<br>83 | 94<br>1<br>80   | 108<br>16.6<br>85 | 65<br>-11.3<br>83 | 79<br>-7<br>83        |             | 100<br>19.4<br>82 | 98<br>65<br>80   | 98<br>-37<br>80  | 103<br>12.9<br>80 | 116<br>-19.9<br>82 | 128<br>-9.8<br>80  | 116<br>24.7<br>83 | 93<br>-3<br>80  | 90<br>4<br>80   | 94<br>0.27<br>80  | 110<br>0.67<br>80 | 107<br>0.71<br>80 |
| OBS 240098<br>97100689<br>OBS 24 98  | 5  | OBS 200138<br>OBS 170147 | 110<br>85        | 102<br>84     | 80<br>83 | 120<br>80 | 112<br>82   | 114<br>76 | 93<br>80     | 107<br>77   | 88<br>80      | 105<br>-0.06<br>85 | 113<br>-0.55<br>83 | 83<br>-12<br>80 | 102<br>13.6<br>84 | 80<br>-7.0<br>83  | 91<br>21<br>82        |             | 94<br>14.5<br>82  | 92<br>42<br>80   | 89<br>-28<br>80  | 99<br>10.5<br>81  | 100<br>-7.8<br>82  | 110<br>-6.1<br>80  | 117<br>25.5<br>83 | 92<br>-3<br>81  | 87<br>1<br>80   | 84<br>-0.76<br>80 | 94<br>-0.24<br>80 | 99<br>0.22<br>80  |
| OBS 240106<br>97469696<br>OBS 24 106 | 2                                                                                       | BOS 199077<br>OBS 200148 | 109<br>62        | 106<br>62     | 77<br>44 | 105<br>21 | 113<br>36   | 107<br>43 |              |             | 97<br>12      | 104<br>0.00<br>66  | 111<br>-0.50<br>46 | 95<br>2<br>21   | 106<br>15.7<br>62 | 77<br>-8.0<br>44  | 87<br>12<br>42        |             | 98<br>17.1<br>43  | 99<br>69<br>22   | 96<br>-34<br>7   | 106<br>14.3<br>23 | 115<br>-19.0<br>39 | 114<br>-6.9<br>24  | 104<br>17.0<br>45 | 90<br>-4<br>23  | 98<br>12<br>22  | 103<br>1.17<br>12 | 86<br>-0.68<br>11 | 97<br>0.15<br>11  |
| OBS 240120<br>98004179<br>OBS24120   | 2                                                                                       | BOS 200505<br>OBS 200109 | 103<br>59        | 100<br>61     | 87<br>44 | 118<br>24 | 111<br>37   | 111<br>42 |              |             | 89<br>14      | 101<br>0.22<br>64  | 104<br>-0.22<br>42 | 85<br>-10<br>24 | 100<br>12.0<br>61 | 87<br>-5.0<br>44  | 94<br>28<br>43        |             | 97<br>16.6<br>42  | 91<br>40<br>24   | 76<br>-13<br>9   | 87<br>3.9<br>26   | 129<br>-30.1<br>41 | 95<br>-3.1<br>25   | 106<br>18.5<br>44 | 74<br>-14<br>26 | 87<br>1<br>25   | 91<br>0.01<br>15  | 95<br>-0.20<br>14 | 100<br>0.32<br>13 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          |        | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                  | Growth                |                   |                  | Fertility        |                   |                    |                    | Frame             |                 | Carcass         |                   |                   |                   |
|--------------------------------------|--------------|--------------------------|--------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|-----------------------|-------------------|------------------|------------------|-------------------|--------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID                  | Dam ID | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                 |              |                          |        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| OBS 240124<br>97469761<br>OBS 24 124 | 2            | BOS 200505<br>OBS 180196 |        | 86<br>85         | 117<br>85     | 93<br>83  | 101<br>81 | 119<br>82   | 116<br>76 | 105<br>80    | 112<br>77   | 103<br>80     | 84<br>1.67<br>86   | 109<br>-0.42<br>83 | 98<br>4<br>81   | 117<br>21.8<br>85 | 93<br>-3.3<br>83 | 112<br>70<br>83       | 113<br>29.4<br>82 | 103<br>84<br>81  | 91<br>-30<br>80  | 106<br>14.8<br>81 | 124<br>-26.3<br>82 | 114<br>-7.0<br>81  | 109<br>20.2<br>83 | 91<br>-4<br>81  | 102<br>16<br>81 | 102<br>1.09<br>80 | 99<br>0.06<br>80  | 105<br>0.56<br>80 |
| OBS 240125<br>97469878<br>OBS 24 125 |              | BOS 200505<br>OBS 190042 |        | 97<br>84         | 116<br>85     | 105<br>82 | 92<br>80  | 100<br>81   | 108<br>76 | 116<br>80    | 106<br>77   | 115<br>79     | 93<br>0.89<br>85   | 110<br>-0.47<br>82 | 106<br>14<br>80 | 116<br>21.2<br>85 | 105<br>0.1<br>82 | 116<br>81<br>82       | 111<br>27.3<br>82 | 116<br>132<br>80 | 104<br>-44<br>79 | 119<br>22.2<br>80 | 94<br>-2.8<br>82   | 97<br>-3.5<br>80   | 108<br>19.8<br>82 | 101<br>2<br>80  | 115<br>28<br>80 | 116<br>2.43<br>79 | 92<br>-0.37<br>79 | 104<br>0.54<br>79 |
| OBS 240131<br>97622609<br>OBS 24 131 | 1            | BOS 200505<br>OBS 200025 |        | 96<br>60         | 107<br>62     | 91<br>46  | 110<br>20 | 115<br>35   | 114<br>42 |              |             | 95<br>14      | 92<br>1.00<br>65   | 112<br>-0.54<br>44 | 92<br>-2<br>20  | 107<br>16.2<br>62 | 91<br>-3.8<br>46 | 102<br>48<br>43       | 106<br>23.3<br>41 | 98<br>67<br>21   | 88<br>-26<br>8   | 93<br>7.4<br>22   | 120<br>-23.2<br>39 | 107<br>-5.6<br>23  | 111<br>21.6<br>44 | 82<br>-9<br>22  | 95<br>8<br>22   | 98<br>0.67<br>14  | 93<br>-0.30<br>13 | 98<br>0.21<br>12  |
| OBS 240137<br>97622617<br>OBS 24 137 | 1            | BOS 210077<br>OBS 220073 |        | 110<br>85        | 106<br>85     | 96<br>83  | 99<br>81  | 116<br>81   | 116<br>76 | 106<br>80    | 112<br>77   | 105<br>80     | 111<br>-0.60<br>86 | 93<br>0.24<br>83   | 100<br>7<br>81  | 106<br>15.4<br>85 | 96<br>-2.5<br>83 | 101<br>45<br>83       | 111<br>27.5<br>82 | 109<br>104<br>81 | 98<br>-37<br>80  | 97<br>9.3<br>81   | 117<br>-20.8<br>82 | 108<br>-5.7<br>80  | 113<br>22.8<br>82 | 97<br>0<br>81   | 107<br>20<br>81 | 114<br>2.20<br>80 | 102<br>0.20<br>80 | 109<br>0.80<br>80 |
| OBS 240142<br>97622641<br>OBS 24 142 |              | BOS 200505<br>OBS 190251 |        | 101<br>61        | 96<br>63      | 105<br>48 | 113<br>20 | 99<br>38    | 105<br>43 |              |             | 88<br>13      | 98<br>0.53<br>65   | 111<br>-0.47<br>45 | 89<br>-5<br>20  | 96<br>10.0<br>63  | 105<br>0.0<br>48 | 103<br>50<br>44       | 93<br>13.9<br>48  | 92<br>43<br>21   | 82<br>-20<br>8   | 91<br>5.9<br>22   | 110<br>-15.6<br>42 | 86<br>-1.3<br>26   | 105<br>18.0<br>46 | 82<br>-9<br>22  | 89<br>3<br>22   | 91<br>0.00<br>14  | 89<br>-0.54<br>12 | 95<br>-0.02<br>12 |
| OBS 240152<br>97622674<br>OBS 24 152 | 2            | BOS 199260<br>OBS 200049 |        | 105<br>84        | 109<br>85     | 80<br>82  | 90<br>80  | 133<br>81   | 115<br>76 | 99<br>80     | 110<br>77   | 104<br>79     | 100<br>0.33<br>85  | 125<br>-1.04<br>82 | 110<br>19<br>80 | 109<br>17.5<br>85 | 80<br>-7.1<br>82 | 87<br>12<br>82        | 107<br>24.5<br>82 | 107<br>98<br>80  | 102<br>-42<br>79 | 103<br>12.9<br>80 | 125<br>-27.4<br>81 | 135<br>-11.1<br>80 | 117<br>25.5<br>82 | 88<br>-5<br>80  | 106<br>19<br>80 | 108<br>1.62<br>79 | 100<br>0.11<br>79 | 98<br>0.17<br>79  |
| OBS 240160<br>97622716<br>OBS 24 160 | 3            | BOS 220208<br>OBS 200086 |        | 114<br>84        | 99<br>84      | 94<br>82  | 101<br>79 | 116<br>80   | 113<br>75 | 81<br>79     | 104<br>76   | 85<br>79      | 111<br>-0.56<br>85 | 104<br>-0.22<br>81 | 98<br>4<br>79   | 99<br>11.6<br>84  | 94<br>-3.2<br>82 | 93<br>26<br>82        | 103<br>21.2<br>82 | 90<br>37<br>79   | 90<br>-28<br>79  | 91<br>5.7<br>79   | 110<br>-15.1<br>81 | 114<br>-6.8<br>79  | 115<br>24.3<br>81 | 76<br>-13<br>79 | 87<br>1<br>79   | 95<br>0.31<br>79  | 88<br>-0.59<br>79 | 95<br>-0.01<br>79 |
| OBS 240169<br>97622757<br>OBS 24 169 |              | BOS 220208<br>OBS 210105 |        | 96<br>84         | 124<br>85     | 110<br>82 | 82<br>79  | 120<br>81   | 127<br>75 | 118<br>80    | 124<br>76   | 126<br>79     | 99<br>0.41<br>85   | 91<br>0.31<br>82   | 118<br>28<br>79 | 124<br>26.0<br>85 | 110<br>1.4<br>82 | 122<br>95<br>82       | 129<br>41.5<br>82 | 128<br>175<br>80 | 129<br>-71<br>79 | 111<br>17.6<br>80 | 116<br>-19.7<br>81 | 116<br>-7.3<br>79  | 115<br>24.1<br>82 | 118<br>12<br>80 | 123<br>35<br>80 | 127<br>3.55<br>79 | 120<br>1.26<br>79 | 112<br>0.96<br>79 |
| OBS 240170<br>97622765<br>OBS 24 170 |              | BOS 200505<br>OBS 171410 |        | 112<br>54        | 87<br>57      | 98<br>41  | 115<br>19 | 107<br>29   | 106<br>38 |              |             | 76<br>12      | 108<br>-0.30<br>59 | 108<br>-0.36<br>37 | 87<br>-8<br>19  | 87<br>4.8<br>57   | 98<br>-2.0<br>41 | 88<br>14<br>39        | 86<br>8.4<br>40   | 81<br>2<br>20    | 73<br>-10<br>8   | 82<br>0.7<br>22   | 116<br>-20.0<br>28 | 90<br>-2.1<br>19   | 113<br>23.1<br>39 | 78<br>-12<br>22 | 81<br>-5<br>21  | 80<br>-1.13<br>13 | 81<br>-0.97<br>12 | 71<br>-1.34<br>12 |
| OBS 240179<br>97622799<br>OBS 24 179 | 2            | BOS 210077<br>OBS 220019 |        | 116<br>85        | 97<br>84      | 95<br>82  | 115<br>81 | 106<br>82   | 114<br>76 | 96<br>80     | 108<br>77   | 89<br>80      | 112<br>-0.65<br>86 | 107<br>-0.34<br>83 | 87<br>-7<br>81  | 97<br>10.5<br>84  | 95<br>-2.7<br>82 | 97<br>35<br>82        | 92<br>12.8<br>82  | 91<br>40<br>81   | 74<br>-10<br>80  | 103<br>12.9<br>81 | 117<br>-20.8<br>82 | 93<br>-2.7<br>81   | 106<br>18.5<br>83 | 96<br>-1<br>81  | 97<br>10<br>81  | 86<br>-0.51<br>80 | 106<br>0.44<br>80 | 110<br>0.86<br>80 |
| OBS 240185<br>97622823<br>OBS 24 185 | 3            | BOS 211175<br>OBS 150156 |        | 96<br>85         | 106<br>84     | 90<br>83  | 98<br>81  | 107<br>82   | 100<br>76 | 100<br>80    | 95<br>77    | 95<br>80      | 97<br>0.55<br>86   | 97<br>0.07<br>83   | 100<br>8<br>81  | 106<br>15.3<br>84 | 90<br>-4.2<br>83 | 96<br>33<br>83        | 100<br>19.2<br>82 | 95<br>53<br>81   | 81<br>-18<br>80  | 88<br>4.4<br>81   | 87<br>2.6<br>82    | 113<br>-6.6<br>81  | 115<br>24.0<br>83 | 94<br>-2<br>81  | 101<br>14<br>81 | 96<br>0.42<br>80  | 91<br>-0.39<br>80 | 102<br>0.43<br>80 |
| OBS 240189<br>97622849<br>OBS 24 189 | 3            | BOS 200505<br>OBS 170163 |        | 100<br>62        | 102<br>64     | 91<br>50  | 113<br>23 | 111<br>38   | 110<br>45 |              |             | 86<br>14      | 95<br>0.73<br>66   | 114<br>-0.62<br>46 | 89<br>-5<br>23  | 102<br>13.3<br>64 | 91<br>-4.0<br>50 | 98<br>36<br>46        | 100<br>19.1<br>42 | 88<br>30<br>23   | 75<br>-11<br>9   | 84<br>2.2<br>25   | 116<br>-20.2<br>42 | 102<br>-4.4<br>27  | 110<br>20.8<br>46 | 79<br>-11<br>25 | 88<br>2<br>24   | 87<br>-0.40<br>15 | 91<br>-0.45<br>13 | 94<br>-0.05<br>13 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          | Selection Values |               |           |           |             |           |              |             |               | Birth              |                    | Wean            |                   |                   |                          | Growth            |                  |                  | Fertility         |                    |                   |                   | Frame          |                 | Carcass           |                   |                   |
|--------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|--------------------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf<br>Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                 |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                          |                   |                  |                  |                   |                    |                   |                   |                |                 |                   |                   |                   |
| OBS 240190<br>97622856<br>OBS 24 190 | 1            | OBS 210077<br>OBS 220018 | 109<br>61        | 95<br>62      | 95<br>45  | 113<br>25 | 106<br>37   | 107<br>43 |              |             | 92<br>14      | 112<br>-0.67<br>65 | 86<br>0.48<br>45   | 89<br>-5<br>25  | 95<br>9.2<br>62   | 95<br>-2.9<br>45  | 93<br>26<br>44           | 93<br>13.7<br>48  | 97<br>61<br>24   | 86<br>-24<br>5   | 93<br>7.2<br>26   | 113<br>-18.0<br>40 | 91<br>-2.4<br>26  | 112<br>22.0<br>44 | 93<br>-3<br>25 | 97<br>10<br>25  | 93<br>0.15<br>14  | 93<br>-0.30<br>13 | 101<br>0.33<br>13 |
| OBS 240198<br>97622864<br>OBS 24 198 | 1            | BOS 188403<br>OBS 190170 | 92<br>85         | 120<br>86     | 82<br>83  | 99<br>80  | 108<br>82   | 107<br>76 | 106<br>80    | 103<br>77   | 112<br>80     | 87<br>1.39<br>86   | 120<br>-0.87<br>83 | 100<br>7<br>80  | 120<br>23.8<br>86 | 82<br>-6.5<br>83  | 105<br>54<br>83          | 117<br>32.5<br>82 | 109<br>105<br>80 | 101<br>-41<br>80 | 111<br>17.3<br>80 | 89<br>1.0<br>83    | 118<br>-7.6<br>80 | 111<br>21.7<br>83 | 112<br>8<br>80 | 117<br>30<br>80 | 107<br>1.56<br>80 | 111<br>0.75<br>80 | 123<br>1.59<br>80 |
| OBS 240201<br>97622880<br>OBS 24 201 | 1            | BOS 211175<br>OBS 160077 | 98<br>62         | 105<br>55     | 92<br>48  | 100<br>18 | 105<br>38   | 100<br>42 |              |             | 96<br>8       | 99<br>0.39<br>66   | 95<br>0.14<br>48   | 99<br>6<br>18   | 105<br>15.1<br>55 | 92<br>-3.8<br>48  | 97<br>36<br>40           | 101<br>19.8<br>42 | 101<br>76<br>18  | 93<br>-32<br>5   | 98<br>9.8<br>19   | 96<br>-4.0<br>42   | 102<br>-4.5<br>25 | 114<br>23.4<br>46 | 98<br>0<br>19  | 99<br>12<br>18  | 99<br>0.72<br>9   | 92<br>-0.33<br>8  | 105<br>0.57<br>8  |
| OBS 240202<br>97622898<br>OBS 24 202 |              | BOS 177663<br>OBS 190157 | 75<br>85         | 135<br>85     | 97<br>83  | 73<br>81  | 108<br>82   | 105<br>76 | 121<br>80    | 105<br>77   | 126<br>80     | 70<br>2.80<br>86   | 108<br>-0.39<br>83 | 132<br>44<br>81 | 135<br>32.5<br>85 | 97<br>-2.2<br>83  | 117<br>82<br>83          | 135<br>46.4<br>83 | 133<br>193<br>82 | 130<br>-72<br>79 | 124<br>25.1<br>82 | 90<br>0.2<br>82    | 118<br>-7.6<br>80 | 110<br>20.9<br>83 | 113<br>9<br>82 | 127<br>39<br>82 | 144<br>5.15<br>80 | 52<br>-2.67<br>80 | 97<br>0.16<br>80  |
| OBS 240216<br>97626535<br>OBS 24 216 | 1            | OBS 220208<br>OBS 200030 | 103<br>62        | 109<br>61     | 97<br>45  | 94<br>17  | 120<br>32   | 117<br>41 |              |             | 103<br>14     | 102<br>0.15<br>66  | 100<br>-0.06<br>48 | 104<br>12<br>17 | 109<br>17.2<br>61 | 97<br>-2.3<br>45  | 103<br>50<br>41          | 110<br>26.9<br>44 | 105<br>90<br>18  | 105<br>-44<br>9  | 102<br>12.4<br>20 | 111<br>-16.1<br>32 | 121<br>-8.3<br>22 | 114<br>23.8<br>42 | 99<br>1<br>20  | 106<br>19<br>19 | 107<br>1.52<br>14 | 104<br>0.36<br>13 | 100<br>0.28<br>12 |
| OBS 240219<br>97626568<br>OBS 24 219 | 1            | OBS 210077<br>OBS 220022 | 108<br>62        | 97<br>63      | 90<br>47  | 116<br>26 | 106<br>38   | 107<br>44 |              |             | 89<br>14      | 111<br>-0.56<br>66 | 88<br>0.43<br>47   | 87<br>-8<br>26  | 97<br>10.4<br>63  | 90<br>-4.3<br>47  | 92<br>23<br>45           | 95<br>15.3<br>48  | 94<br>50<br>24   | 77<br>-14<br>5   | 90<br>5.2<br>26   | 113<br>-17.8<br>42 | 94<br>-2.8<br>27  | 110<br>20.7<br>45 | 89<br>-5<br>25 | 94<br>7<br>25   | 89<br>-0.21<br>14 | 94<br>-0.22<br>13 | 109<br>0.79<br>13 |
| OBS 240224<br>97626584<br>OBS 24 224 |              | OBS 220208<br>OBS 210021 | 105<br>62        | 104<br>64     | 101<br>47 | 93<br>22  | 120<br>35   | 115<br>43 | 97<br>23     | 109<br>39   | 101<br>20     | 109<br>-0.38<br>66 | 87<br>0.44<br>48   | 106<br>13<br>22 | 104<br>14.2<br>64 | 101<br>-1.1<br>47 | 101<br>43<br>44          | 107<br>24.8<br>46 | 107<br>96<br>24  | 112<br>-52<br>20 | 96<br>8.9<br>27   | 117<br>-20.4<br>39 | 113<br>-6.7<br>25 | 119<br>26.4<br>42 | 102<br>3<br>27 | 103<br>16<br>26 | 103<br>1.11<br>21 | 114<br>0.91<br>19 | 96<br>0.08<br>19  |
| OBS 240227<br>97626600<br>OBS 24 227 | 4            | BOS 200505<br>OBS 190163 | 91<br>61         | 110<br>63     | 100<br>49 | 97<br>22  | 119<br>36   | 115<br>44 |              |             | 105<br>14     | 89<br>1.27<br>65   | 110<br>-0.45<br>45 | 101<br>8<br>22  | 110<br>17.7<br>63 | 100<br>-1.4<br>49 | 108<br>62<br>45          | 105<br>23.2<br>48 | 105<br>91<br>23  | 94<br>-33<br>9   | 102<br>12.1<br>24 | 118<br>-21.9<br>37 | 113<br>-6.7<br>25 | 115<br>24.1<br>45 | 93<br>-3<br>24 | 106<br>19<br>24 | 106<br>1.44<br>15 | 96<br>-0.10<br>14 | 99<br>0.22<br>13  |
| OBS 240229<br>97626626<br>OBS 24 229 |              | BOS 188403<br>OBS 160006 | 117<br>86        | 111<br>86     | 78<br>84  | 90<br>81  | 99<br>83    | 96<br>77  | 106<br>80    | 93<br>78    | 105<br>80     | 113<br>-0.76<br>86 | 104<br>-0.23<br>84 | 110<br>19<br>81 | 111<br>18.5<br>86 | 78<br>-7.7<br>84  | 88<br>13<br>84           | 106<br>24.0<br>83 | 109<br>104<br>81 | 103<br>-42<br>80 | 109<br>16.4<br>81 | 92<br>-0.9<br>83   | 99<br>-3.9<br>81  | 107<br>19.0<br>84 | 109<br>7<br>81 | 109<br>22<br>81 | 105<br>1.36<br>80 | 96<br>-0.14<br>80 | 114<br>1.08<br>80 |
| OBS 240231<br>97626634<br>OBS 24 231 | 3            | BOS 200505<br>OBS 170247 | 103<br>61        | 103<br>64     | 88<br>48  | 110<br>22 | 103<br>37   | 103<br>44 |              |             | 95<br>14      | 98<br>0.52<br>65   | 113<br>-0.57<br>45 | 92<br>-2<br>22  | 103<br>13.7<br>64 | 88<br>-4.9<br>48  | 94<br>29<br>45           | 99<br>18.5<br>46  | 98<br>64<br>23   | 88<br>-26<br>9   | 95<br>8.2<br>25   | 107<br>-12.9<br>41 | 97<br>-3.5<br>26  | 106<br>18.3<br>45 | 91<br>-4<br>25 | 99<br>12<br>24  | 95<br>0.37<br>15  | 94<br>-0.26<br>13 | 97<br>0.12<br>13  |
| OBS 240232<br>97626642<br>OBS 24 232 | 2            | OBS 220208<br>OBS 210100 | 100<br>63        | 118<br>64     | 98<br>47  | 88<br>23  | 116<br>37   | 117<br>44 | 107<br>24    | 113<br>40   | 114<br>20     | 103<br>0.07<br>67  | 89<br>0.39<br>48   | 111<br>19<br>23 | 118<br>22.3<br>64 | 98<br>-2.0<br>47  | 110<br>66<br>45          | 121<br>35.1<br>47 | 118<br>138<br>25 | 120<br>-60<br>20 | 107<br>14.9<br>28 | 109<br>-14.2<br>41 | 111<br>-6.3<br>26 | 117<br>25.4<br>43 | 113<br>9<br>28 | 114<br>27<br>27 | 115<br>2.37<br>22 | 119<br>1.22<br>19 | 110<br>0.89<br>19 |
| OBS 240233<br>97627723<br>OBS 24 233 | 3            | BOS 199260<br>OBS 170164 | 105<br>62        | 96<br>65      | 84<br>50  | 111<br>24 | 113<br>40   | 104<br>45 |              |             | 88<br>14      | 100<br>0.30<br>66  | 126<br>-1.09<br>47 | 91<br>-3<br>24  | 96<br>9.8<br>65   | 84<br>-6.0<br>50  | 83<br>3<br>46            | 92<br>13.1<br>50  | 93<br>47<br>24   | 89<br>-27<br>8   | 89<br>4.9<br>25   | 109<br>-14.3<br>42 | 103<br>-4.7<br>30 | 120<br>27.0<br>47 | 82<br>-9<br>25 | 93<br>6<br>24   | 90<br>-0.18<br>14 | 97<br>-0.09<br>13 | 95<br>0.00<br>12  |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                                 |                                                                                     |            |            | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                   |                   |                  | Fertility       |                   |                    |                    | Frame             |                | Carcass         |                   |                   |                   |
|----------------------------------------|-------------------------------------------------------------------------------------|------------|------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|--------------------------|-------------------|------------------|-----------------|-------------------|--------------------|--------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                    | Inbreeding                                                                          | Sire ID    | Dam ID     | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf<br>Ratio (Wean) | Postwean wt       | ADG              | FCR             | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                   |                                                                                     |            |            |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                          |                   |                  |                 |                   |                    |                    |                   |                |                 |                   |                   |                   |
| OBS 240235<br>97627749<br>OBS 24 235   |    | OBS 220208 | OBS 200071 | 103<br>84        | 121<br>84     | 98<br>82  | 83<br>79  | 134<br>80   | 131<br>75 | 105<br>79    | 126<br>76   | 115<br>79     | 101<br>0.22<br>85  | 103<br>-0.17<br>81 | 119<br>29<br>79 | 121<br>24.2<br>84 | 98<br>-1.9<br>82  | 110<br>65<br>82          | 124<br>37.9<br>82 | 109<br>106<br>79 | 98<br>-37<br>79 | 109<br>16.5<br>79 | 113<br>-17.4<br>80 | 149<br>-13.9<br>79 | 116<br>24.9<br>81 | 99<br>1<br>79  | 116<br>28<br>79 | 118<br>2.61<br>79 | 122<br>1.37<br>79 | 114<br>1.11<br>79 |
| OBS 240245<br>97627806<br>OBS 24 245   |                                                                                     | BOS 200505 | OBS 180229 | 101<br>61        | 99<br>64      | 100<br>49 | 112<br>20 | 104<br>37   | 107<br>44 |              |             | 89<br>13      | 98<br>0.46<br>65   | 107<br>-0.35<br>46 | 90<br>-4<br>20  | 99<br>11.4<br>64  | 100<br>-1.5<br>49 | 101<br>45<br>44          | 95<br>14.9<br>48  | 94<br>49<br>21   | 84<br>-22<br>8  | 92<br>6.5<br>22   | 114<br>-18.5<br>40 | 94<br>-2.9<br>26   | 104<br>17.2<br>46 | 84<br>-8<br>22 | 91<br>5<br>22   | 92<br>0.10<br>14  | 90<br>-0.50<br>12 | 94<br>-0.02<br>12 |
| OBS 240248<br>6020254618<br>OBS 24 248 |                                                                                     | OBS 210077 | OBS 210127 | 108<br>62        | 95<br>51      | 102<br>41 | 106<br>25 | 92<br>35    | 97<br>40  |              |             | 91<br>12      | 110<br>-0.48<br>66 | 91<br>0.31<br>47   | 94<br>0<br>25   | 95<br>9.5<br>51   | 102<br>-0.8<br>41 | 98<br>38<br>39           | 95<br>15.4<br>39  | 97<br>60<br>21   |                 | 96<br>8.9<br>22   | 107<br>-13.2<br>34 | 76<br>0.7<br>26    | 102<br>15.8<br>44 | 95<br>-2<br>22 | 96<br>10<br>22  | 95<br>0.32<br>13  | 92<br>-0.35<br>12 | 99<br>0.26<br>12  |
| OBS 240258<br>97973689<br>OBS24258     |                                                                                     | OBS 210077 | OBS 220134 | 102<br>60        | 101<br>62     | 104<br>45 | 100<br>23 | 100<br>33   | 103<br>42 |              |             | 99<br>13      | 105<br>-0.09<br>65 | 89<br>0.39<br>44   | 98<br>4<br>23   | 101<br>12.9<br>62 | 104<br>-0.3<br>45 | 104<br>52<br>43          | 100<br>18.9<br>44 | 103<br>84<br>22  |                 | 100<br>11.2<br>23 | 106<br>-12.3<br>31 | 91<br>-2.3<br>24   | 105<br>18.1<br>44 | 104<br>4<br>22 | 107<br>20<br>22 | 98<br>0.67<br>14  | 95<br>-0.18<br>12 | 104<br>0.53<br>12 |
| OBS 240259<br>97973697<br>OBS24259     | 1                                                                                   | OBS 210077 | OBS 190053 | 109<br>62        | 96<br>64      | 94<br>49  | 116<br>25 | 105<br>38   | 109<br>45 |              |             | 88<br>14      | 111<br>-0.62<br>66 | 88<br>0.40<br>48   | 86<br>-8<br>25  | 96<br>9.8<br>64   | 94<br>-3.0<br>49  | 95<br>31<br>46           | 96<br>16.1<br>43  | 94<br>51<br>24   | 82<br>-20<br>5  | 91<br>5.8<br>26   | 116<br>-20.0<br>41 | 84<br>-0.9<br>28   | 114<br>23.7<br>46 | 90<br>-5<br>25 | 93<br>7<br>25   | 90<br>-0.13<br>14 | 93<br>-0.33<br>13 | 99<br>0.27<br>13  |
| OBS 240260<br>97973705<br>OBS24260     |    | BOS 211175 | OBS 130062 | 95<br>84         | 104<br>85     | 82<br>82  | 91<br>79  | 116<br>81   | 96<br>75  | 96<br>79     | 91<br>76    | 94<br>79      | 97<br>0.57<br>85   | 93<br>0.22<br>82   | 108<br>17<br>79 | 104<br>14.7<br>85 | 82<br>-6.6<br>82  | 85<br>6<br>82            | 103<br>21.2<br>82 | 99<br>67<br>79   | 91<br>-30<br>79 | 108<br>15.7<br>79 | 111<br>-16.3<br>81 | 117<br>-7.5<br>79  | 111<br>21.5<br>82 | 95<br>-2<br>79 | 97<br>11<br>79  | 95<br>0.41<br>79  | 90<br>-0.45<br>79 | 107<br>0.70<br>79 |
| OBS 240274<br>97973762<br>OBS24274     |                                                                                     | OBS 210077 | OBS 220139 | 103<br>61        | 105<br>62     | 99<br>45  | 99<br>23  | 102<br>35   | 104<br>43 |              |             | 102<br>13     | 106<br>-0.16<br>65 | 89<br>0.36<br>45   | 99<br>5<br>23   | 105<br>14.9<br>62 | 99<br>-1.7<br>45  | 103<br>50<br>43          | 104<br>22.0<br>44 | 105<br>91<br>22  |                 | 102<br>12.1<br>23 | 107<br>-13.2<br>39 | 92<br>-2.5<br>24   | 108<br>19.8<br>43 | 106<br>5<br>22 | 109<br>22<br>22 | 100<br>0.82<br>14 | 97<br>-0.08<br>12 | 108<br>0.75<br>12 |
| OBS 240276<br>97973770<br>OBS24276     |                                                                                     | BOS 200505 | OBS 190051 | 98<br>61         | 105<br>63     | 100<br>48 | 101<br>20 | 98<br>38    | 101<br>43 |              |             | 98<br>13      | 95<br>0.74<br>65   | 110<br>-0.44<br>45 | 97<br>4<br>20   | 105<br>15.3<br>63 | 100<br>-1.5<br>48 | 105<br>54<br>44          | 98<br>17.8<br>48  | 101<br>76<br>21  | 93<br>-31<br>8  | 98<br>10.2<br>22  | 104<br>-10.2<br>40 | 87<br>-1.5<br>27   | 107<br>19.3<br>46 | 93<br>-3<br>22 | 100<br>14<br>22 | 100<br>0.85<br>14 | 91<br>-0.41<br>12 | 98<br>0.17<br>12  |
| OBS 240277<br>97973788<br>OBS24277     |                                                                                     | BOS 211175 | OBS 170016 | 109<br>63        | 101<br>65     | 97<br>49  | 99<br>14  | 114<br>36   | 112<br>43 |              |             | 92<br>8       | 107<br>-0.23<br>67 | 102<br>-0.12<br>48 | 99<br>6<br>14   | 101<br>12.7<br>65 | 97<br>-2.1<br>49  | 98<br>36<br>43           | 97<br>16.4<br>46  | 96<br>59<br>12   |                 | 97<br>9.3<br>13   | 102<br>-8.6<br>40  | 117<br>-7.4<br>22  | 114<br>23.7<br>46 | 97<br>0<br>13  | 95<br>9<br>13   | 94<br>0.23<br>8   | 88<br>-0.61<br>7  | 96<br>0.09<br>7   |
| OBS 240280<br>97973804<br>OBS24280     |  | BOS 211175 | OBS 180132 | 103<br>83        | 105<br>84     | 91<br>81  | 103<br>79 | 107<br>80   | 106<br>75 | 101<br>79    | 101<br>76   | 95<br>79      | 105<br>-0.11<br>84 | 92<br>0.27<br>81   | 96<br>2<br>79   | 105<br>14.8<br>84 | 91<br>-4.0<br>81  | 98<br>36<br>81           | 104<br>22.3<br>82 | 99<br>69<br>79   | 87<br>-25<br>79 | 93<br>7.4<br>79   | 94<br>-2.7<br>80   | 111<br>-6.2<br>79  | 111<br>21.4<br>81 | 93<br>-2<br>79 | 100<br>13<br>79 | 94<br>0.28<br>79  | 93<br>-0.29<br>79 | 108<br>0.74<br>79 |
| OBS 240283<br>97973978<br>OBS24283     |                                                                                     | OBS 210077 | OBS 220056 | 103<br>62        | 112<br>63     | 88<br>46  | 101<br>25 | 103<br>38   | 106<br>44 |              |             | 105<br>14     | 104<br>-0.03<br>66 | 94<br>0.18<br>47   | 98<br>5<br>25   | 112<br>19.2<br>63 | 88<br>-4.8<br>46  | 102<br>47<br>45          | 109<br>26.2<br>48 | 109<br>106<br>30 | 102<br>-41<br>5 | 102<br>12.1<br>31 | 105<br>-11.6<br>42 | 93<br>-2.7<br>26   | 110<br>21.3<br>45 | 104<br>4<br>30 | 107<br>20<br>29 | 104<br>1.29<br>14 | 99<br>0.07<br>13  | 115<br>1.12<br>12 |
| OBS 240284<br>97973986<br>OBS24284     |  | BOS 200505 | OBS 170058 | 94<br>84         | 105<br>85     | 106<br>82 | 102<br>80 | 103<br>81   | 107<br>76 | 95<br>80     | 101<br>77   | 94<br>79      | 95<br>0.77<br>85   | 100<br>-0.04<br>82 | 96<br>3<br>80   | 105<br>15.2<br>85 | 106<br>0.3<br>82  | 111<br>68<br>82          | 101<br>19.8<br>82 | 93<br>48<br>80   | 81<br>-19<br>79 | 107<br>15.0<br>80 | 108<br>-14.0<br>81 | 91<br>-2.3<br>80   | 110<br>20.8<br>82 | 84<br>-8<br>80 | 95<br>8<br>80   | 100<br>0.86<br>79 | 91<br>-0.41<br>79 | 97<br>0.15<br>79  |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                          |        | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |                   |                 | Fertility       |                   |                    |                   | Frame             |                 | Carcass         |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|--------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------------|-----------------|-----------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID                  | Dam ID | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG             | FCR             | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                |              |                          |        |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                 |                 |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 240285<br>97973994<br>OBS24285  |              | BOS 211175<br>OBS 190282 |        | 101<br>61        | 103<br>63     | 95<br>46  | 97<br>15  | 107<br>36   | 102<br>42 |              |             | 97<br>8       | 102<br>0.13<br>65  | 95<br>0.14<br>46   | 101<br>8<br>15  | 103<br>14.1<br>63 | 95<br>-2.7<br>46  | 98<br>37<br>41        | 99<br>18.6<br>46  | 102<br>81<br>13 | 93<br>-31<br>5  | 98<br>9.9<br>14   | 95<br>-3.7<br>38   | 107<br>-5.4<br>24 | 113<br>22.9<br>46 | 99<br>1<br>14   | 99<br>13<br>14  | 99<br>0.72<br>8   | 91<br>-0.43<br>7  | 104<br>0.52<br>7  |
| OBS 240293<br>97974034<br>OBS24293  |              | BOS 200505<br>OBS 190244 |        | 99<br>61         | 108<br>63     | 97<br>49  | 104<br>20 | 109<br>38   | 112<br>44 |              |             | 98<br>13      | 95<br>0.78<br>65   | 114<br>-0.61<br>46 | 95<br>1<br>20   | 108<br>16.5<br>63 | 97<br>-2.2<br>49  | 107<br>58<br>44       | 102<br>20.3<br>48 | 101<br>76<br>21 | 92<br>-30<br>8  | 97<br>9.3<br>23   | 115<br>-18.9<br>43 | 99<br>-3.8<br>26  | 110<br>21.1<br>46 | 89<br>-5<br>23  | 97<br>10<br>22  | 100<br>0.86<br>14 | 94<br>-0.24<br>12 | 102<br>0.43<br>12 |
| OBS 240298<br>97974042<br>OBS24298  | 1            | OBS 210077<br>OBS 220030 |        | 112<br>85        | 103<br>85     | 78<br>83  | 114<br>81 | 97<br>82    | 100<br>76 | 96<br>80     | 95<br>77    | 92<br>80      | 108<br>-0.35<br>86 | 108<br>-0.37<br>83 | 89<br>-5<br>81  | 103<br>13.8<br>85 | 78<br>-7.5<br>83  | 88<br>13<br>83        | 98<br>17.9<br>83  | 93<br>46<br>81  | 79<br>-16<br>80 | 95<br>8.5<br>81   | 101<br>-8.3<br>82  | 84<br>-0.9<br>81  | 109<br>20.2<br>83 | 88<br>-5<br>81  | 95<br>8<br>81   | 91<br>-0.03<br>80 | 107<br>0.51<br>80 | 108<br>0.74<br>80 |
| OBS 240299<br>97974059<br>OBS24299  |              | OBS 220208<br>OBS 210527 |        | 98<br>56         | 110<br>57     | 103<br>40 | 86<br>16  | 109<br>27   | 105<br>37 |              |             | 103<br>12     | 99<br>0.38<br>60   | 96<br>0.11<br>41   | 113<br>22<br>16 | 110<br>17.7<br>57 | 103<br>-0.7<br>40 | 105<br>53<br>38       | 111<br>27.2<br>38 | 104<br>87<br>17 | 108<br>-48<br>9 | 104<br>13.3<br>19 | 97<br>-5.5<br>26   | 108<br>-5.7<br>19 | 114<br>23.3<br>36 | 109<br>6<br>19  | 110<br>23<br>18 | 105<br>1.34<br>13 | 96<br>-0.11<br>12 | 82<br>-0.74<br>12 |
| OBS 240300<br>97974067<br>OBS24300  |              | BOS 211175<br>OBS 180115 |        | 92<br>61         | 112<br>62     | 93<br>43  | 92<br>15  | 101<br>32   | 97<br>41  |              |             | 101<br>8      | 94<br>0.87<br>66   | 98<br>0.03<br>45   | 107<br>15<br>15 | 112<br>18.8<br>62 | 93<br>-3.4<br>43  | 102<br>46<br>40       | 107<br>24.3<br>44 | 105<br>90<br>14 | 98<br>-37<br>5  | 99<br>10.5<br>15  | 87<br>2.7<br>33    | 99<br>-3.9<br>21  | 116<br>24.4<br>43 | 103<br>3<br>15  | 106<br>19<br>14 | 101<br>0.96<br>9  | 96<br>-0.11<br>8  | 104<br>0.53<br>8  |
| OBS 240301<br>97974075<br>OBS24301  | 1            | BOS 211175<br>OBS 160531 |        | 105<br>62        | 98<br>64      | 92<br>49  | 103<br>17 | 106<br>36   | 101<br>43 |              |             | 90<br>10      | 107<br>-0.27<br>66 | 91<br>0.30<br>46   | 96<br>2<br>17   | 98<br>11.0<br>64  | 92<br>-3.6<br>49  | 91<br>22<br>43        | 96<br>16.3<br>46  | 94<br>49<br>15  | 82<br>-20<br>5  | 94<br>7.9<br>16   | 104<br>-10.6<br>40 | 100<br>-4.0<br>23 | 112<br>22.0<br>45 | 86<br>-7<br>16  | 93<br>7<br>16   | 93<br>0.14<br>10  | 97<br>-0.05<br>9  | 107<br>0.68<br>9  |
| OBS 240308<br>97974109<br>OBS24308  |              | BOS 200505<br>OBS 160131 |        | 81<br>57         | 100<br>60     | 113<br>47 | 104<br>19 | 104<br>30   | 102<br>40 |              |             | 87<br>12      | 82<br>1.86<br>61   | 104<br>-0.21<br>42 | 95<br>1<br>19   | 100<br>12.1<br>60 | 113<br>2.3<br>47  | 112<br>70<br>42       | 101<br>19.5<br>42 | 91<br>39<br>20  | 85<br>-23<br>8  | 90<br>5.5<br>22   | 108<br>-13.9<br>30 | 92<br>-2.4<br>19  | 112<br>22.4<br>41 | 89<br>-5<br>22  | 93<br>7<br>21   | 89<br>-0.24<br>13 | 83<br>-0.86<br>12 | 75<br>-1.12<br>12 |
| OBS 250010<br>98664865<br>OBS 25 10 | 5            | OBS 210077<br>OBS 220209 |        | 104<br>62        | 95<br>63      | 95<br>46  | 115<br>24 | 103<br>37   | 104<br>44 |              |             | 85<br>14      | 105<br>-0.06<br>66 | 96<br>0.12<br>46   | 87<br>-7<br>24  | 95<br>9.5<br>63   | 95<br>-2.7<br>46  | 95<br>30<br>44        | 96<br>15.7<br>40  | 91<br>39<br>23  | 75<br>-12<br>5  | 86<br>3.2<br>24   | 108<br>-13.4<br>41 | 87<br>-1.4<br>26  | 114<br>23.4<br>44 | 89<br>-5<br>24  | 92<br>6<br>24   | 86<br>-0.57<br>15 | 98<br>-0.02<br>13 | 109<br>0.79<br>13 |
| OBS 250012<br>98664873<br>OBS 25 12 | 4            | BOS 188403<br>OBS 170195 |        | 98<br>86         | 104<br>86     | 76<br>84  | 99<br>81  | 105<br>83   | 90<br>77  | 90<br>82     | 84<br>78    | 94<br>81      | 96<br>0.67<br>87   | 107<br>-0.34<br>84 | 100<br>7<br>81  | 104<br>14.3<br>86 | 76<br>-8.2<br>84  | 82<br>0<br>84         | 103<br>21.6<br>84 | 95<br>55<br>81  | 87<br>-25<br>81 | 103<br>12.6<br>82 | 100<br>-7.5<br>83  | 97<br>-3.4<br>81  | 115<br>24.2<br>84 | 99<br>1<br>82   | 101<br>14<br>82 | 94<br>0.25<br>81  | 105<br>0.37<br>81 | 114<br>1.10<br>81 |
| OBS 250016<br>98664915<br>OBS 25 16 |              | BOS 188403<br>OBS 190033 |        | 111<br>65        | 92<br>67      | 89<br>56  | 111<br>19 | 90<br>42    | 90<br>47  |              |             | 83<br>10      | 109<br>-0.42<br>68 | 101<br>-0.08<br>55 | 91<br>-3<br>19  | 92<br>7.7<br>67   | 89<br>-4.6<br>56  | 84<br>4<br>47         | 87<br>8.6<br>46   | 88<br>29<br>19  |                 | 89<br>4.9<br>20   | 87<br>2.7<br>50    | 90<br>-2.1<br>26  | 101<br>15.4<br>49 | 93<br>-3<br>20  | 88<br>2<br>20   | 83<br>-0.80<br>10 | 93<br>-0.31<br>9  | 98<br>0.18<br>9   |
| OBS 250018<br>98664931<br>OBS 25 18 | 3            | BOS 188403<br>OBS 200101 |        | 111<br>65        | 99<br>66      | 71<br>52  | 118<br>23 | 93<br>40    | 91<br>46  |              |             | 81<br>10      | 107<br>-0.27<br>68 | 107<br>-0.35<br>53 | 86<br>-9<br>23  | 99<br>11.4<br>66  | 71<br>-9.5<br>52  | 78<br>-10<br>47       | 95<br>15.1<br>48  | 85<br>16<br>29  | 82<br>-19<br>5  | 81<br>0.4<br>30   | 83<br>5.5<br>51    | 89<br>-1.8<br>23  | 110<br>21.0<br>47 | 84<br>-8<br>29  | 83<br>-3<br>28  | 79<br>-1.26<br>11 | 99<br>0.03<br>10  | 106<br>0.66<br>10 |
| OBS 250020<br>98664956<br>OBS 25 20 |              | BOS 166109<br>OBS 130063 |        | 97<br>54         | 94<br>57      | 89<br>57  | 110<br>32 | 108<br>43   | 97<br>45  |              |             | 78<br>23      | 94<br>0.81<br>55   | 109<br>-0.42<br>51 | 92<br>-2<br>32  | 94<br>8.5<br>57   | 89<br>-4.5<br>57  | 86<br>8<br>49         | 91<br>12.2<br>43  | 81<br>2<br>30   | 61<br>3<br>5    | 69<br>-6.8<br>32  | 109<br>-14.8<br>47 | 108<br>-5.7<br>31 | 103<br>16.8<br>50 | 79<br>-11<br>33 | 87<br>1<br>32   | 75<br>-1.60<br>24 | 105<br>0.39<br>22 | 107<br>0.69<br>21 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                                                                                                                                                                                                  |              | Selection Values |           |           |             |           |              |             |                    | Birth              |                    | Wean            |                   |                  |                       | Growth            |                  |                  | Fertility         |                    |                   |                   | Frame           |                   | Carcass           |                   |                   |
|-------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-----------|-----------|-------------|-----------|--------------|-------------|--------------------|--------------------|--------------------|-----------------|-------------------|------------------|-----------------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID                                                                                                                                                                                | Calv. Ease V | Calf Growth V    | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value      | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length            | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                |              |                                                                                                                                                                                                  |              |                  |           |           |             |           |              |             |                    |                    |                    |                 |                   |                  |                       |                   |                  |                  |                   |                    |                   |                   |                 |                   |                   |                   |                   |
| OBS 250023<br>98665029<br>OBS 25 23 | 1            | OBS 210077<br>OBS 220152                                                                                                                                                                         | 97<br>61     | 104<br>62        | 96<br>46  | 95<br>25  | 102<br>36   | 97<br>43  |              |             | 99<br>14           | 98<br>0.48<br>65   | 96<br>0.09<br>45   | 103<br>11<br>25 | 104<br>14.5<br>62 | 96<br>-2.4<br>46 | 98<br>38<br>44        | 105<br>22.8<br>40 | 104<br>88<br>24  | 93<br>-32<br>5   | 94<br>7.6<br>25   | 107<br>-13.2<br>37 | 85<br>-1.1<br>27  | 114<br>23.5<br>44 | 101<br>2<br>25  | 105<br>18<br>25   | 98<br>0.66<br>15  | 92<br>-0.35<br>13 | 108<br>0.76<br>13 |
| OBS 250028<br>98665045<br>OBS 25 28 | 1            |  OBS 210077<br> OBS 210179     | 107<br>85    | 96<br>85         | 106<br>83 | 115<br>81 | 113<br>82   | 120<br>76 | 102<br>80    | 114<br>77   | 91<br>80           | 110<br>-0.52<br>86 | 86<br>0.51<br>83   | 87<br>-8<br>81  | 96<br>9.8<br>85   | 106<br>0.2<br>83 | 105<br>55<br>83       | 93<br>13.4<br>82  | 94<br>49<br>81   | 73<br>-10<br>80  | 106<br>14.6<br>81 | 119<br>-22.4<br>82 | 103<br>-4.6<br>81 | 110<br>21.1<br>83 | 102<br>3<br>81  | 101<br>14<br>81   | 92<br>0.09<br>80  | 99<br>0.07<br>80  | 105<br>0.58<br>80 |
| OBS 250029<br>98665052<br>OBS 25 29 |              | BOS 211175<br>OBS 170059                                                                                                                                                                         | 115<br>62    | 91<br>64         | 88<br>48  | 114<br>14 | 109<br>37   | 106<br>43 |              |             | 82<br>8            | 114<br>-0.82<br>66 | 97<br>0.08<br>47   | 88<br>-6<br>14  | 91<br>7.0<br>64   | 88<br>-4.8<br>48 | 83<br>2<br>42         | 86<br>8.1<br>42   | 89<br>31<br>13   |                  | 87<br>3.8<br>14   | 104<br>-10.9<br>41 | 102<br>-4.5<br>25 | 115<br>24.3<br>46 | 80<br>-10<br>14 | 83<br>-3<br>14    | 86<br>-0.48<br>8  | 88<br>-0.59<br>7  | 98<br>0.18<br>7   |
| OBS 250030<br>98665060<br>OBS 25 30 |              |  BOS 188403<br> OBS 100411     | 110<br>86    | 122<br>86        | 90<br>84  | 84<br>81  | 109<br>82   | 114<br>77 | 106<br>80    | 110<br>78   | 120<br>80          | 106<br>-0.15<br>86 | 110<br>-0.45<br>84 | 117<br>26<br>81 | 122<br>24.9<br>86 | 90<br>-4.3<br>84 | 106<br>55<br>84       | 116<br>31.7<br>82 | 116<br>132<br>81 | 113<br>-53<br>80 | 120<br>22.5<br>81 | 104<br>-10.9<br>82 | 114<br>-6.8<br>80 | 104<br>17.0<br>83 | 128<br>18<br>81 | 130<br>42<br>81   | 115<br>2.31<br>80 | 105<br>0.38<br>80 | 122<br>1.54<br>80 |
| OBS 250040<br>98730708<br>OBS 25 40 | 2            |  OBS 210077<br> OBS 220114     | 95<br>84     | 112<br>84        | 89<br>82  | 100<br>80 | 93<br>81    | 95<br>75  | 110<br>80    | 93<br>76    | 104<br>79          | 93<br>0.95<br>85   | 109<br>-0.43<br>82 | 99<br>6<br>80   | 112<br>19.3<br>84 | 89<br>-4.6<br>82 | 103<br>49<br>82       | 112<br>28.4<br>81 | 110<br>110<br>80 | 103<br>-43<br>79 | 112<br>18.0<br>80 | 85<br>4.2<br>81    | 93<br>-2.7<br>80  | 106<br>18.3<br>82 | 102<br>3<br>80  | 102<br>15<br>80   | 105<br>1.34<br>79 | 107<br>0.51<br>79 | 118<br>1.31<br>79 |
| OBS 250047<br>98730716<br>OBS 25 47 |              |  BOS 188403<br> OBS 130292     | 107<br>85    | 107<br>85        | 86<br>83  | 91<br>80  | 91<br>82    | 88<br>76  | 103<br>80    | 85<br>77    | 103<br>79          | 104<br>-0.01<br>86 | 105<br>-0.24<br>83 | 108<br>16<br>80 | 107<br>16.4<br>85 | 86<br>-5.5<br>83 | 91<br>21<br>83        | 105<br>23.1<br>82 | 108<br>103<br>80 | 103<br>-42<br>79 | 83<br>1.6<br>80   | 82<br>6.9<br>82    | 95<br>-3.1<br>80  | 102<br>16.1<br>83 | 109<br>7<br>80  | 111<br>23<br>80   | 105<br>1.34<br>79 | 94<br>-0.22<br>79 | 112<br>0.98<br>79 |
| OBS 250048<br>98730724<br>OBS 25 48 | 1            |  OBS 220208<br> OBS 170116    | 103<br>85    | 119<br>85        | 81<br>83  | 85<br>81  | 118<br>82   | 109<br>76 | 101<br>80    | 104<br>77   | 109<br>80          | 102<br>0.18<br>86  | 102<br>-0.14<br>83 | 117<br>27<br>81 | 119<br>23.1<br>85 | 81<br>-6.8<br>83 | 96<br>32<br>83        | 119<br>33.9<br>82 | 110<br>107<br>81 | 109<br>-49<br>80 | 98<br>10.2<br>81  | 104<br>-10.4<br>82 | 118<br>-7.7<br>81 | 118<br>26.0<br>82 | 98<br>0<br>81   | 107<br>20<br>81   | 112<br>2.02<br>80 | 114<br>0.92<br>80 | 107<br>0.67<br>80 |
| OBS 250051<br>98730732<br>OBS 25 51 |              | BOS 188403<br>OBS 170051                                                                                                                                                                         | 106<br>65    | 98<br>67         | 95<br>57  | 104<br>19 | 96<br>43    | 96<br>47  |              |             | 88<br>10           | 104<br>0.04<br>68  | 104<br>-0.21<br>56 | 95<br>1<br>19   | 98<br>11.1<br>67  | 95<br>-2.7<br>57 | 95<br>29<br>48        | 92<br>13.2<br>47  | 92<br>45<br>19   |                  | 93<br>7.0<br>20   | 89<br>0.9<br>51    | 96<br>-3.2<br>27  | 106<br>18.6<br>50 | 98<br>0<br>20   | 93<br>7<br>20     | 87<br>-0.39<br>10 | 94<br>-0.25<br>9  | 100<br>0.28<br>9  |
| OBS 250055<br>98730765<br>OBS 25 55 |              | BOS 211175<br>OBS 190056                                                                                                                                                                         | 101<br>61    | 97<br>63         | 99<br>47  | 102<br>14 | 92<br>35    | 91<br>42  |              |             | 90<br>8            | 102<br>0.17<br>66  | 97<br>0.08<br>45   | 96<br>3<br>14   | 97<br>10.3<br>63  | 99<br>-1.6<br>47 | 96<br>33<br>41        | 92<br>12.5<br>41  | 95<br>53<br>12   |                  | 93<br>7.3<br>13   | 85<br>4.5<br>39    | 84<br>-0.8<br>23  | 113<br>22.9<br>44 | 93<br>-3<br>13  | 93<br>7<br>13     | 91<br>-0.06<br>8  | 91<br>-0.40<br>7  | 101<br>0.33<br>7  |
| OBS 250060<br>98730807<br>OBS 25 60 | 5            |  OBS 220208<br> OBS 180236 | 107<br>85    | 111<br>85        | 82<br>82  | 106<br>80 | 119<br>81   | 118<br>76 | 94<br>80     | 111<br>77   | 98<br>79           | 106<br>-0.14<br>86 | 102<br>-0.14<br>82 | 94<br>1<br>80   | 111<br>18.4<br>85 | 82<br>-6.6<br>82 | 97<br>35<br>82        | 109<br>25.6<br>82 | 99<br>69<br>80   | 96<br>-35<br>79  | 109<br>16.4<br>80 | 107<br>-12.7<br>81 | 119<br>-7.8<br>80 | 118<br>26.0<br>82 | 98<br>0<br>80   | 99<br>12<br>80    | 102<br>1.03<br>79 | 108<br>0.56<br>79 | 105<br>0.59<br>79 |
| OBS 250061<br>98731342<br>OBS 25 61 | 1            | OBS 210077<br>OBS 220163                                                                                                                                                                         | 110<br>62    | 93<br>63         | 94<br>46  | 119<br>25 | 99<br>37    | 104<br>44 |              |             | 86<br>14           | 113<br>-0.74<br>66 | 87<br>0.44<br>46   | 84<br>-12<br>25 | 93<br>8.3<br>63   | 94<br>-3.2<br>46 | 93<br>25<br>45        | 94<br>14.0<br>44  | 91<br>40<br>24   | 79<br>-16<br>5   | 88<br>4.3<br>26   | 105<br>-11.5<br>41 | 85<br>-1.0<br>27  | 110<br>20.8<br>44 | 86<br>-7<br>25  | 90<br>4<br>25     | 87<br>-0.46<br>14 | 94<br>-0.22<br>13 | 104<br>0.54<br>13 |
| OBS 250064<br>98731375<br>OBS 25 64 | 1            | BOS 211175<br>OBS 140089                                                                                                                                                                         | 114<br>62    | 87<br>64         | 87<br>50  | 110<br>20 | 98<br>35    | 91<br>44  |              | 78<br>10    | 112<br>-0.64<br>66 | 102<br>-0.12<br>48 | 92<br>-2<br>20     | 87<br>4.4<br>64 | 87<br>-5.2<br>50  | 75<br>-16<br>45  | 87<br>9.1<br>40       | 83<br>11<br>15    | 72<br>-9<br>5    | 83<br>1.7<br>16  | 89<br>0.8<br>38   | 95<br>-3.0<br>22   | 112<br>22.1<br>46 | 77<br>-12<br>16   | 82<br>-4<br>16  | 81<br>-0.97<br>10 | 91<br>-0.43<br>9  | 92<br>-0.13<br>9  |                   |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          |  | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                   |                   |                  | Fertility        |                   |                    |                    | Frame             |                | Carcass         |                   |                   |                   |
|--------------------------------------|--------------|--------------------------|--|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|--------------------------|-------------------|------------------|------------------|-------------------|--------------------|--------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        |  | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf<br>Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                 |              |                          |  |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                          |                   |                  |                  |                   |                    |                    |                   |                |                 |                   |                   |                   |
| OBS 250066<br>98731391<br>OBS 25 66  | 4            | OBS 200138<br>OBS 220245 |  | 108<br>61        | 120<br>62     | 83<br>46  | 92<br>23  | 128<br>37   | 125<br>43 |              |             | 111<br>14     | 104<br>0.01<br>65  | 108<br>-0.38<br>45 | 107<br>15<br>23 | 120<br>23.6<br>62 | 83<br>-6.1<br>46  | 103<br>48<br>44          | 114<br>29.7<br>41 | 104<br>87<br>23  | 99<br>-38<br>10  | 107<br>15.0<br>25 | 113<br>-17.4<br>42 | 130<br>-10.0<br>26 | 122<br>28.6<br>43 | 100<br>1<br>25 | 110<br>23<br>24 | 110<br>1.87<br>15 | 106<br>0.48<br>14 | 103<br>0.45<br>13 |
| OBS 250075<br>98731433<br>OBS 25 75  |              | BOS 211175<br>OBS 190258 |  | 103<br>62        | 95<br>63      | 90<br>47  | 109<br>14 | 99<br>36    | 95<br>42  |              |             | 83<br>8       | 103<br>0.10<br>66  | 99<br>-0.03<br>46  | 93<br>-1<br>14  | 95<br>9.3<br>63   | 90<br>-4.3<br>47  | 87<br>12<br>41           | 90<br>11.0<br>40  | 88<br>28<br>12   |                  | 88<br>4.1<br>13   | 86<br>3.6<br>41    | 99<br>-4.0<br>23   | 112<br>22.3<br>44 | 85<br>-7<br>13 | 86<br>0<br>13   | 84<br>-0.68<br>8  | 89<br>-0.54<br>7  | 100<br>0.31<br>7  |
| OBS 250076<br>98731441<br>OBS 25 76  | 2            | BOS 200505<br>OBS 210072 |  | 97<br>60         | 105<br>63     | 102<br>47 | 102<br>25 | 108<br>37   | 110<br>44 | 102<br>24    | 105<br>40   | 100<br>21     | 95<br>0.78<br>65   | 107<br>-0.32<br>44 | 96<br>3<br>25   | 105<br>15.1<br>63 | 102<br>-0.8<br>47 | 108<br>60<br>45          | 106<br>23.8<br>44 | 106<br>92<br>27  | 101<br>-40<br>20 | 95<br>8.2<br>30   | 118<br>-21.3<br>41 | 93<br>-2.7<br>25   | 111<br>21.8<br>44 | 95<br>-2<br>30 | 100<br>14<br>29 | 100<br>0.90<br>22 | 107<br>0.54<br>20 | 104<br>0.50<br>19 |
| OBS 250078<br>98731466<br>OBS 25 78  |              | OBS 220208<br>OBS 160129 |  | 96<br>62         | 107<br>63     | 97<br>49  | 94<br>16  | 112<br>32   | 105<br>42 |              |             | 95<br>12      | 96<br>0.66<br>66   | 100<br>-0.04<br>48 | 105<br>12<br>16 | 107<br>16.3<br>63 | 97<br>-2.3<br>49  | 101<br>45<br>43          | 108<br>25.4<br>36 | 97<br>60<br>17   | 100<br>-39<br>9  | 97<br>9.1<br>19   | 102<br>-9.2<br>36  | 106<br>-5.3<br>20  | 118<br>26.0<br>40 | 98<br>0<br>19  | 101<br>15<br>18 | 95<br>0.39<br>13  | 102<br>0.24<br>12 | 97<br>0.10<br>12  |
| OBS 250082<br>98731490<br>OBS 25 82  |              | BOS 211175<br>OBS 190030 |  | 97<br>61         | 105<br>63     | 117<br>48 | 91<br>14  | 102<br>36   | 108<br>42 |              |             | 102<br>8      | 98<br>0.50<br>65   | 98<br>0.03<br>46   | 107<br>15<br>14 | 105<br>15.0<br>63 | 117<br>3.5<br>48  | 115<br>77<br>42          | 101<br>20.1<br>40 | 107<br>99<br>12  |                  | 105<br>13.7<br>13 | 88<br>1.8<br>40    | 107<br>-5.5<br>23  | 109<br>20.7<br>44 | 107<br>5<br>13 | 108<br>20<br>13 | 103<br>1.17<br>8  | 90<br>-0.49<br>7  | 99<br>0.24<br>7   |
| OBS 250091<br>99136517<br>OBS 25 91  |              | OBS 220204<br>OBS 210007 |  | 106<br>58        | 101<br>59     | 101<br>46 | 101<br>20 | 112<br>33   | 112<br>41 | 97<br>21     | 106<br>37   | 103<br>17     | 106<br>-0.17<br>62 | 97<br>0.05<br>44   | 97<br>4<br>20   | 101<br>12.8<br>59 | 101<br>-1.2<br>46 | 101<br>45<br>42          | 100<br>18.8<br>37 | 107<br>99<br>22  | 116<br>-56<br>18 | 99<br>10.6<br>24  | 104<br>-10.3<br>35 | 112<br>-6.5<br>21  | 111<br>21.9<br>42 | 109<br>6<br>24 | 104<br>17<br>23 | 100<br>0.81<br>18 | 105<br>0.42<br>16 | 102<br>0.42<br>16 |
| OBS 250094<br>99136525<br>OBS 25 94  | 4            | OBS 200138<br>OBS 220288 |  | 106<br>83        | 119<br>83     | 82<br>82  | 101<br>80 | 114<br>81   | 118<br>75 | 100<br>80    | 112<br>76   | 107<br>79     | 100<br>0.34<br>83  | 116<br>-0.67<br>82 | 98<br>5<br>80   | 119<br>23.2<br>83 | 82<br>-6.6<br>82  | 104<br>52<br>82          | 111<br>27.7<br>82 | 102<br>79<br>80  | 98<br>-37<br>79  | 95<br>8.4<br>80   | 114<br>-18.2<br>81 | 108<br>-5.7<br>80  | 113<br>23.0<br>82 | 100<br>1<br>80 | 109<br>22<br>80 | 107<br>1.59<br>79 | 106<br>0.48<br>79 | 115<br>1.15<br>79 |
| OBS 250105<br>99136566<br>OBS 25 105 | 3            | OBS 220208<br>OBS 190032 |  | 97<br>85         | 127<br>85     | 95<br>82  | 84<br>80  | 104<br>81   | 111<br>76 | 115<br>80    | 109<br>77   | 122<br>80     | 97<br>0.56<br>86   | 100<br>-0.06<br>82 | 117<br>27<br>80 | 127<br>27.9<br>85 | 95<br>-2.8<br>82  | 115<br>76<br>82          | 124<br>37.3<br>82 | 125<br>165<br>80 | 125<br>-66<br>79 | 121<br>22.9<br>80 | 88<br>2.1<br>81    | 105<br>-5.0<br>80  | 116<br>24.8<br>82 | 111<br>8<br>80 | 120<br>32<br>80 | 126<br>3.40<br>80 | 107<br>0.49<br>79 | 109<br>0.82<br>79 |
| OBS 250111<br>99136616<br>OBS 25 111 | 2            | BOS 188403<br>OBS 210242 |  | 115<br>64        | 93<br>66      | 79<br>53  | 117<br>23 | 103<br>40   | 99<br>46  |              |             | 82<br>10      | 113<br>-0.74<br>67 | 101<br>-0.09<br>53 | 87<br>-8<br>23  | 93<br>8.3<br>66   | 79<br>-7.4<br>53  | 78<br>-10<br>47          | 88<br>9.8<br>47   | 85<br>17<br>23   | 79<br>-16<br>5   | 84<br>1.9<br>24   | 93<br>-2.2<br>50   | 98<br>-3.8<br>24   | 115<br>24.0<br>46 | 86<br>-7<br>24 | 85<br>-1<br>23  | 80<br>-1.08<br>11 | 94<br>-0.22<br>10 | 99<br>0.25<br>10  |
| OBS 250112<br>99136624<br>OBS 25 112 |              | BOS 188403<br>OBS 180018 |  | 116<br>64        | 92<br>67      | 94<br>56  | 103<br>19 | 101<br>39   | 98<br>46  |              |             | 85<br>10      | 111<br>-0.56<br>67 | 110<br>-0.44<br>54 | 95<br>2<br>19   | 92<br>7.4<br>67   | 94<br>-3.1<br>56  | 86<br>10<br>47           | 89<br>10.8<br>46  | 87<br>24<br>19   |                  | 87<br>3.8<br>20   | 92<br>-1.2<br>48   | 95<br>-3.1<br>23   | 115<br>23.9<br>47 | 92<br>-3<br>20 | 91<br>5<br>19   | 82<br>-0.87<br>10 | 97<br>-0.09<br>9  | 100<br>0.27<br>9  |
| OBS 250116<br>99136632<br>OBS 25 116 | 3            | BOS 188403<br>OBS 200147 |  | 109<br>65        | 105<br>67     | 69<br>54  | 112<br>23 | 92<br>41    | 90<br>47  |              |             | 90<br>10      | 104<br>0.01<br>68  | 112<br>-0.53<br>54 | 92<br>-3<br>23  | 105<br>15.0<br>67 | 69<br>-10.1<br>54 | 81<br>-3<br>48           | 99<br>18.6<br>48  | 92<br>42<br>29   | 89<br>-28<br>5   | 86<br>3.3<br>30   | 85<br>4.6<br>51    | 82<br>-0.4<br>24   | 114<br>23.4<br>47 | 91<br>-4<br>29 | 91<br>4<br>28   | 86<br>-0.54<br>11 | 100<br>0.13<br>10 | 109<br>0.83<br>10 |
| OBS 250121<br>99136657<br>OBS 25 121 | 4            | BOS 188403<br>OBS 180249 |  | 108<br>65        | 102<br>68     | 81<br>56  | 104<br>22 | 91<br>43    | 89<br>48  |              |             | 94<br>12      | 106<br>-0.16<br>68 | 103<br>-0.19<br>55 | 95<br>2<br>22   | 102<br>13.4<br>68 | 81<br>-6.7<br>56  | 87<br>11<br>49           | 96<br>16.0<br>48  | 97<br>61<br>22   | 90<br>-28<br>5   | 97<br>9.4<br>23   | 80<br>7.8<br>51    | 90<br>-2.1<br>27   | 109<br>20.1<br>50 | 98<br>0<br>23  | 98<br>12<br>23  | 93<br>0.14<br>12  | 101<br>0.17<br>11 | 111<br>0.90<br>11 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                                 |              |                          |  | Selection Values |               |          |           |           |             |           |              | Birth       |               | Wean               |                    |                 |                   | Growth           |                          |             | Fertility         |                  |                  |                   | Frame              |                    | Carcass           |                |                 |                   |                   |                   |
|----------------------------------------|--------------|--------------------------|--|------------------|---------------|----------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|--------------------------|-------------|-------------------|------------------|------------------|-------------------|--------------------|--------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                    | % Inbreeding | Sire ID<br>Dam ID        |  | Calv. Ease V     | Calf Growth V |          | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf<br>Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility  | Cow Fertility      | Longevity          | Height            | Length         | EMA             | Fat               | Marbling          |                   |
| ID<br>Number<br>Name                   |              |                          |  |                  |               |          |           |           |             |           |              |             |               |                    |                    |                 |                   |                  |                          |             |                   |                  |                  |                   |                    |                    |                   |                |                 |                   |                   |                   |
| OBS 250133<br>6020086069<br>OBS 25 133 |              | OBS 200138<br>OBS 171410 |  | 121<br>44        | 96<br>44      | 78<br>40 | 110<br>13 | 113<br>26 |             | 109<br>32 |              |             | 85<br>5       | 117<br>-1.09<br>46 | 104<br>-0.22<br>37 | 92<br>-2<br>13  | 96<br>9.9<br>44   | 78<br>-7.5<br>40 | 79<br>-8<br>32           |             | 92<br>12.5<br>30  | 87<br>25<br>13   |                  | 93<br>7.4<br>14   | 105<br>-11.7<br>26 | 106<br>-5.2<br>15  | 120<br>27.0<br>37 | 95<br>-2<br>13 | 88<br>2<br>13   | 84<br>-0.71<br>5  | 82<br>-0.96<br>5  | 76<br>-1.05<br>5  |
| OBS 250134<br>6020086077<br>OBS 25 134 | 1            | OBS 200138<br>OBS 200086 |  | 116<br>60        | 112<br>63     | 77<br>46 | 101<br>17 | 120<br>34 |             | 118<br>42 |              |             | 100<br>7      | 111<br>-0.60<br>64 | 109<br>-0.43<br>45 | 98<br>5<br>17   | 112<br>19.0<br>63 | 77<br>-8.0<br>46 | 92<br>24<br>42           |             | 108<br>25.0<br>38 | 102<br>78<br>17  | 98<br>-37<br>5   | 103<br>12.6<br>17 | 115<br>-19.1<br>38 | 121<br>-8.2<br>23  | 113<br>22.7<br>42 | 97<br>0<br>17  | 99<br>13<br>17  | 99<br>0.77<br>7   | 89<br>-0.52<br>7  | 102<br>0.40<br>7  |
| OBS 250138<br>6020088362<br>OBS 25 138 | 6            | OBS 200138<br>OBS 160519 |  | 102<br>84        | 116<br>85     | 86<br>82 | 100<br>79 | 137<br>81 |             | 132<br>75 | 107<br>79    | 126<br>76   | 106<br>79     | 103<br>0.12<br>85  | 98<br>0.04<br>82   | 99<br>5<br>79   | 116<br>21.1<br>85 | 86<br>-5.5<br>82 | 104<br>51<br>82          |             | 106<br>24.0<br>81 | 108<br>100<br>79 | 103<br>-43<br>79 | 104<br>13.5<br>79 | 131<br>-32.1<br>81 | 144<br>-12.9<br>79 | 112<br>22.0<br>82 | 108<br>6<br>79 | 106<br>19<br>79 | 107<br>1.50<br>79 | 93<br>-0.30<br>79 | 102<br>0.43<br>79 |
| OBS 250142<br>6020086101<br>OBS 25 142 | 1            | BOS 188403<br>OBS 210138 |  | 108<br>64        | 102<br>66     | 78<br>52 | 110<br>23 | 98<br>40  |             | 95<br>46  |              |             | 90<br>10      | 105<br>-0.07<br>67 | 106<br>-0.28<br>53 | 93<br>-1<br>23  | 102<br>13.3<br>66 | 78<br>-7.6<br>52 | 85<br>7<br>47            |             | 96<br>16.0<br>48  | 92<br>44<br>28   | 90<br>-29<br>5   | 89<br>4.9<br>30   | 88<br>1.8<br>51    | 93<br>-2.7<br>23   | 113<br>22.6<br>47 | 93<br>-3<br>28 | 91<br>5<br>28   | 87<br>-0.41<br>11 | 97<br>-0.07<br>10 | 106<br>0.62<br>9  |
| OBS 250145<br>6020086127<br>OBS 25 145 | 7            | OBS 200138<br>OBS 160077 |  | 108<br>62        | 106<br>65     | 85<br>51 | 113<br>19 | 115<br>38 |             | 117<br>44 |              |             | 94<br>6       | 107<br>-0.21<br>66 | 102<br>-0.14<br>50 | 90<br>-4<br>19  | 106<br>15.6<br>65 | 85<br>-5.5<br>51 | 97<br>35<br>45           |             | 99<br>18.4<br>41  | 97<br>62<br>19   |                  | 100<br>10.9<br>20 | 111<br>-16.0<br>42 | 108<br>-5.7<br>26  | 116<br>25.0<br>46 | 96<br>-1<br>20 | 92<br>6<br>19   | 96<br>0.47<br>7   | 90<br>-0.49<br>6  | 101<br>0.37<br>6  |
| OBS 250146<br>6020086135<br>OBS 25 146 |              | BOS 188403<br>OBS 160006 |  | 110<br>66        | 104<br>68     | 85<br>57 | 98<br>19  | 97<br>42  |             | 94<br>48  |              |             | 96<br>10      | 107<br>-0.22<br>69 | 107<br>-0.34<br>57 | 100<br>8<br>19  | 104<br>14.4<br>68 | 85<br>-5.6<br>57 | 90<br>18<br>48           |             | 98<br>17.5<br>46  | 98<br>66<br>19   |                  | 99<br>10.4<br>20  | 92<br>-1.2<br>50   | 94<br>-2.8<br>26   | 107<br>19.2<br>50 | 102<br>3<br>20 | 100<br>14<br>20 | 95<br>0.39<br>10  | 97<br>-0.06<br>9  | 108<br>0.76<br>9  |
| OBS 250149<br>6020086150<br>OBS 25 149 |              | OBS 200138<br>OBS 170115 |  | 117<br>59        | 99<br>60      | 94<br>47 | 104<br>13 | 116<br>28 |             | 116<br>39 |              |             | 88<br>5       | 115<br>-0.87<br>63 | 102<br>-0.13<br>46 | 95<br>1<br>13   | 99<br>11.5<br>60  | 94<br>-3.1<br>47 | 94<br>28<br>40           |             | 94<br>14.7<br>32  | 91<br>39<br>13   |                  | 97<br>9.3<br>14   | 104<br>-10.8<br>30 | 111<br>-6.3<br>16  | 121<br>28.0<br>39 | 99<br>1<br>13  | 92<br>6<br>13   | 88<br>-0.37<br>5  | 82<br>-0.91<br>5  | 78<br>-0.97<br>5  |
| OBS 250177<br>6020086242<br>OBS 25 177 | 1            | BOS 188403<br>OBS 210251 |  | 102<br>62        | 105<br>65     | 88<br>50 | 98<br>19  | 91<br>39  |             | 88<br>44  |              |             | 95<br>10      | 99<br>0.45<br>66   | 109<br>-0.42<br>50 | 101<br>8<br>19  | 105<br>15.0<br>65 | 88<br>-4.9<br>50 | 93<br>25<br>45           |             | 101<br>19.8<br>44 | 99<br>69<br>19   |                  | 99<br>10.3<br>20  | 71<br>15.0<br>49   | 92<br>-2.5<br>23   | 113<br>23.2<br>46 | 102<br>2<br>20 | 99<br>13<br>20  | 94<br>0.22<br>10  | 98<br>0.00<br>10  | 108<br>0.73<br>9  |
| OBS 250179<br>6020086259<br>OBS 25 179 |              | BOS 188403<br>OBS 210054 |  | 106<br>64        | 99<br>66      | 96<br>54 | 101<br>24 | 82<br>41  |             | 86<br>47  | 95<br>22     | 81<br>42    | 96<br>19      | 105<br>-0.10<br>67 | 99<br>-0.03<br>54  | 97<br>4<br>24   | 99<br>11.8<br>66  | 96<br>-2.5<br>54 | 95<br>31<br>48           |             | 98<br>17.4<br>47  | 101<br>76<br>25  | 104<br>-44<br>18 | 93<br>7.0<br>28   | 71<br>15.6<br>51   | 81<br>-0.3<br>25   | 106<br>18.5<br>48 | 106<br>5<br>28 | 100<br>14<br>27 | 90<br>-0.17<br>20 | 113<br>0.88<br>18 | 113<br>1.02<br>17 |
| OBS 250182<br>6020086267<br>OBS 25 182 | 1            | BOS 188403<br>OBS 210130 |  | 111<br>65        | 102<br>66     | 80<br>53 | 111<br>23 | 103<br>41 |             | 103<br>47 |              |             | 91<br>10      | 106<br>-0.18<br>68 | 110<br>-0.46<br>53 | 92<br>-2<br>23  | 102<br>13.4<br>66 | 80<br>-6.9<br>53 | 87<br>12<br>47           |             | 94<br>14.8<br>48  | 93<br>46<br>28   | 91<br>-29<br>5   | 89<br>5.0<br>30   | 90<br>0.5<br>51    | 103<br>-4.7<br>24  | 114<br>23.5<br>47 | 93<br>-3<br>28 | 92<br>5<br>28   | 87<br>-0.38<br>11 | 99<br>0.06<br>10  | 110<br>0.84<br>9  |
| OBS 250183<br>6020086275<br>OBS 25 183 | 3            | OBS 220095<br>OBS 220257 |  | 93<br>58         | 98<br>60      | 86<br>42 | 111<br>19 | 110<br>32 |             | 98<br>40  |              |             | 80<br>12      | 91<br>1.12<br>63   | 108<br>-0.38<br>41 | 92<br>-3<br>19  | 98<br>10.9<br>60  | 86<br>-5.3<br>42 | 88<br>13<br>40           |             | 95<br>15.0<br>34  | 84<br>14<br>19   |                  | 76<br>-2.4<br>20  | 102<br>-9.0<br>38  | 105<br>-5.0<br>20  | 116<br>24.8<br>39 | 82<br>-9<br>20 | 86<br>0<br>20   | 79<br>-1.21<br>13 | 104<br>0.36<br>12 | 106<br>0.66<br>12 |
| OBS 250185<br>6020086283<br>OBS 25 185 | 3            | OBS 220208<br>OBS 160145 |  | 105<br>63        | 108<br>64     | 83<br>49 | 97<br>18  | 111<br>37 |             | 104<br>44 |              |             | 97<br>13      | 105<br>-0.06<br>67 | 99<br>0.00<br>51   | 102<br>10<br>18 | 108<br>17.0<br>64 | 83<br>-6.3<br>49 | 92<br>23<br>44           |             | 105<br>23.1<br>42 | 99<br>70<br>21   | 99<br>-38<br>9   | 98<br>9.7<br>23   | 99<br>-6.3<br>40   | 108<br>-5.7<br>27  | 119<br>26.6<br>45 | 93<br>-3<br>22 | 96<br>10<br>22  | 101<br>0.99<br>14 | 102<br>0.23<br>12 | 100<br>0.27<br>12 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                                 |                                                                                     |                          |  | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                  | Growth                   |                   |                  | Fertility        |                   |                    |                   | Frame             |                 | Carcass         |                   |                   |                   |
|----------------------------------------|-------------------------------------------------------------------------------------|--------------------------|--|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|--------------------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                    | % Inbreeding                                                                        | Sire ID<br>Dam ID        |  | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf<br>Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                   |                                                                                     |                          |  |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                  |                          |                   |                  |                  |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 250196<br>6020086325<br>OBS 25 196 | 2                                                                                   | OBS 220208<br>OBS 190163 |  | 94<br>63         | 117<br>62     | 92<br>48  | 88<br>20  | 126<br>34   | 117<br>43 |              |             | 109<br>14     | 95<br>0.75<br>67   | 97<br>0.05<br>48   | 111<br>20<br>20 | 117<br>21.7<br>62 | 92<br>-3.5<br>48 | 105<br>53<br>43          | 116<br>31.6<br>40 | 109<br>104<br>20 | 105<br>-45<br>10 | 107<br>15.1<br>22 | 108<br>-13.4<br>35 | 125<br>-9.1<br>25 | 126<br>30.6<br>43 | 102<br>2<br>22  | 111<br>24<br>22 | 112<br>2.06<br>15 | 107<br>0.53<br>14 | 101<br>0.36<br>13 |
| OBS 250211<br>6020086671<br>OBS 25 211 | 3                                                                                   | OBS 220095<br>OBS 230081 |  | 94<br>58         | 99<br>59      | 87<br>42  | 102<br>19 | 113<br>31   | 98<br>40  |              |             | 85<br>12      | 92<br>1.00<br>63   | 108<br>-0.38<br>41 | 97<br>4<br>19   | 99<br>11.6<br>59  | 87<br>-4.9<br>42 | 88<br>14<br>40           | 96<br>16.2<br>34  | 88<br>29<br>19   |                  | 79<br>-0.7<br>20  | 109<br>-14.5<br>38 | 106<br>-5.3<br>18 | 117<br>25.4<br>38 | 90<br>-5<br>20  | 94<br>7<br>20   | 81<br>-0.99<br>13 | 106<br>0.45<br>12 | 108<br>0.73<br>12 |
| OBS 250214<br>6020086697<br>OBS 25 214 | 3                                                                                   | OBS 220095<br>OBS 220220 |  | 94<br>58         | 107<br>60     | 89<br>42  | 93<br>19  | 113<br>31   | 100<br>40 |              |             | 94<br>12      | 92<br>1.02<br>63   | 108<br>-0.36<br>41 | 105<br>13<br>19 | 107<br>16.0<br>60 | 89<br>-4.6<br>42 | 94<br>28<br>40           | 105<br>22.8<br>32 | 96<br>59<br>19   |                  | 87<br>3.6<br>20   | 100<br>-7.4<br>36  | 109<br>-5.9<br>18 | 120<br>27.4<br>38 | 100<br>1<br>20  | 103<br>17<br>20 | 91<br>-0.07<br>13 | 104<br>0.33<br>12 | 102<br>0.43<br>12 |
| OBS 250217<br>6020086721<br>OBS 25 217 | 3                                                                                   | OBS 220095<br>OBS 230091 |  | 94<br>58         | 106<br>59     | 96<br>42  | 93<br>19  | 114<br>32   | 104<br>40 |              |             | 98<br>12      | 92<br>1.00<br>63   | 108<br>-0.37<br>41 | 106<br>14<br>19 | 106<br>15.4<br>59 | 96<br>-2.5<br>42 | 99<br>39<br>40           | 101<br>20.1<br>34 | 101<br>75<br>19  |                  | 90<br>5.4<br>20   | 105<br>-11.4<br>38 | 111<br>-6.3<br>20 | 116<br>24.5<br>39 | 100<br>2<br>20  | 105<br>18<br>20 | 95<br>0.39<br>13  | 106<br>0.44<br>12 | 110<br>0.88<br>12 |
| OBS 250222<br>6020086754<br>OBS 25 222 | 2                                                                                   | OBS 220208<br>OBS 210210 |  | 94<br>62         | 116<br>63     | 94<br>46  | 90<br>28  | 104<br>39   | 103<br>45 | 104<br>20    | 99<br>40    | 111<br>18     | 95<br>0.73<br>66   | 97<br>0.05<br>47   | 109<br>17<br>28 | 116<br>21.2<br>63 | 94<br>-3.0<br>46 | 106<br>57<br>46          | 115<br>30.6<br>41 | 109<br>106<br>28 | 101<br>-41<br>11 | 108<br>15.5<br>30 | 88<br>1.7<br>42    | 99<br>-3.9<br>31  | 120<br>27.4<br>45 | 101<br>2<br>30  | 116<br>28<br>29 | 113<br>2.12<br>19 | 115<br>0.98<br>18 | 109<br>0.81<br>17 |
| OBS 250223<br>6020086762<br>OBS 25 223 | 4                                                                                   | OBS 220095<br>OBS 220258 |  | 102<br>58        | 94<br>60      | 81<br>42  | 112<br>20 | 111<br>33   | 98<br>40  |              |             | 79<br>12      | 99<br>0.43<br>63   | 109<br>-0.40<br>41 | 91<br>-3<br>20  | 94<br>8.9<br>60   | 81<br>-6.7<br>42 | 80<br>-6<br>41           | 92<br>12.7<br>35  | 83<br>11<br>19   |                  | 75<br>-3.0<br>21  | 103<br>-9.6<br>38  | 104<br>-4.9<br>20 | 118<br>26.0<br>40 | 79<br>-11<br>21 | 84<br>-1<br>20  | 79<br>-1.19<br>13 | 105<br>0.38<br>12 | 107<br>0.69<br>12 |
| OBS 250230<br>6020086796<br>OBS 25 230 | 4                                                                                   | BOS 188403<br>OBS 210144 |  | 107<br>64        | 103<br>66     | 73<br>54  | 113<br>24 | 100<br>41   | 96<br>47  |              |             | 92<br>12      | 106<br>-0.18<br>67 | 100<br>-0.07<br>53 | 90<br>-4<br>24  | 103<br>14.1<br>66 | 73<br>-8.9<br>54 | 83<br>2<br>48            | 97<br>17.0<br>48  | 93<br>48<br>23   | 84<br>-21<br>5   | 91<br>6.2<br>24   | 95<br>-3.4<br>51   | 91<br>-2.3<br>25  | 114<br>23.2<br>48 | 88<br>-5<br>24  | 93<br>7<br>24   | 90<br>-0.09<br>12 | 102<br>0.25<br>11 | 116<br>1.18<br>11 |
| OBS 250232<br>6020086812<br>OBS 25 232 |  | OBS 210077<br>OBS 170016 |  | 98<br>85         | 104<br>85     | 121<br>83 | 100<br>80 | 109<br>82   | 119<br>76 | 106<br>80    | 115<br>77   | 101<br>80     | 101<br>0.23<br>86  | 88<br>0.40<br>83   | 97<br>3<br>80   | 104<br>14.6<br>85 | 121<br>4.4<br>83 | 122<br>94<br>83          | 102<br>20.4<br>82 | 108<br>103<br>80 | 99<br>-38<br>80  | 100<br>11.3<br>80 | 110<br>-15.6<br>82 | 101<br>-4.2<br>80 | 111<br>21.4<br>83 | 112<br>8<br>80  | 108<br>21<br>80 | 105<br>1.31<br>80 | 85<br>-0.74<br>80 | 107<br>0.71<br>80 |
| OBS 250235<br>6020086838<br>OBS 25 235 |                                                                                     | OBS 210077<br>OBS 160131 |  | 95<br>59         | 98<br>60      | 108<br>48 | 97<br>22  | 98<br>32    | 95<br>42  |              |             | 96<br>12      | 102<br>0.15<br>63  | 78<br>0.81<br>46   | 101<br>8<br>22  | 98<br>10.8<br>60  | 108<br>0.8<br>48 | 102<br>47<br>43          | 99<br>17.9<br>36  | 101<br>77<br>21  |                  | 100<br>10.8<br>21 | 97<br>-5.1<br>30   | 85<br>-1.0<br>23  | 115<br>23.8<br>42 | 108<br>6<br>21  | 106<br>19<br>21 | 96<br>0.41<br>13  | 89<br>-0.55<br>12 | 88<br>-0.41<br>12 |
| OBS 250239<br>6020086846<br>OBS 25 239 | 3                                                                                   | OBS 220095<br>OBS 230034 |  | 99<br>58         | 98<br>59      | 89<br>42  | 102<br>19 | 116<br>31   | 102<br>40 |              |             | 84<br>12      | 96<br>0.70<br>63   | 109<br>-0.43<br>41 | 97<br>3<br>19   | 98<br>10.9<br>59  | 89<br>-4.6<br>42 | 88<br>13<br>40           | 95<br>14.9<br>34  | 89<br>31<br>19   |                  | 79<br>-0.6<br>20  | 112<br>-16.5<br>37 | 107<br>-5.5<br>18 | 118<br>26.2<br>39 | 89<br>-5<br>20  | 92<br>6<br>20   | 83<br>-0.82<br>13 | 104<br>0.32<br>12 | 101<br>0.33<br>12 |
| OBS 260006<br>6020205891<br>OBS 26 6   | 1                                                                                   | OBS 210077<br>OBS 220166 |  | 106<br>62        | 100<br>54     | 92<br>45  | 111<br>25 | 109<br>38   | 109<br>42 |              |             | 95<br>14      | 109<br>-0.39<br>66 | 90<br>0.35<br>47   | 92<br>-3<br>25  | 100<br>12.1<br>54 | 92<br>-3.7<br>45 | 95<br>31<br>41           | 100<br>18.9<br>44 | 99<br>70<br>24   | 87<br>-25<br>5   | 97<br>9.4<br>26   | 119<br>-22.1<br>41 | 98<br>-3.8<br>28  | 106<br>18.7<br>44 | 94<br>-2<br>25  | 99<br>12<br>25  | 96<br>0.43<br>14  | 96<br>-0.13<br>13 | 110<br>0.87<br>13 |
| OBS 260010<br>6020205925<br>OBS 26 10  |                                                                                     | OBS 210077<br>BC 210011  |  | 109<br>62        | 96<br>52      | 111<br>44 | 99<br>23  | 104<br>35   | 108<br>40 |              |             | 100<br>14     | 111<br>-0.55<br>66 | 91<br>0.31<br>46   | 99<br>5<br>23   | 96<br>10.1<br>52  | 111<br>1.7<br>44 | 104<br>52<br>40          | 98<br>17.6<br>40  | 104<br>88<br>21  | 98<br>-36<br>6   | 100<br>11.4<br>22 | 114<br>-18.8<br>38 | 100<br>-4.1<br>25 | 98<br>13.5<br>41  | 106<br>5<br>22  | 108<br>21<br>22 | 97<br>0.59<br>14  | 98<br>0.01<br>13  | 112<br>0.98<br>12 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                          |  | Selection Values |               |           |           |             |           |              |             | Birth         |              | Wean         |           |             |             | Growth                |             |            | Fertility  |               |                  |               | Frame       |           | Carcass   |             |             |             |
|-------------------------------------|--------------|--------------------------|--|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------|--------------|-----------|-------------|-------------|-----------------------|-------------|------------|------------|---------------|------------------|---------------|-------------|-----------|-----------|-------------|-------------|-------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        |  | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat    | Mature wt | Wean wt     | Wean mat    | Cow-Calf Ratio (Wean) | Postwean wt | ADG        | FCR        | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity   | Height    | Length    | EMA         | Fat         | Marbling    |
| ID<br>Number<br>Name                |              |                          |  |                  |               |           |           |             |           |              |             |               |              |              |           |             |             |                       |             |            |            |               |                  |               |             |           |           |             |             |             |
| OBS 260012<br>6020345788<br>OBS2612 | 3            | OBS 220208<br>OBS 190026 |  | 96<br>55         | 113<br>53     | 102<br>45 | 89<br>17  | 109<br>36   | 108<br>39 |              |             | 107<br>13     | 98<br>0.51   | 94<br>0.19   | 110<br>18 | 113<br>19.6 | 102<br>-0.8 | 109<br>63             | 110<br>26.8 | 109<br>104 | 109<br>-48 | 107<br>15.1   | 98<br>-5.7       | 112<br>-6.4   | 111<br>21.3 | 106<br>5  | 110<br>23 | 109<br>1.77 | 104<br>0.34 | 105<br>0.56 |
| OBS 260013<br>6020345804<br>OBS2613 |              | OBS 210077<br>OBS 190051 |  | 107<br>63        | 97<br>54      | 103<br>49 | 108<br>23 | 90<br>38    | 97<br>42  |              |             | 94<br>12      | 110<br>-0.50 | 87<br>0.48   | 93<br>-1  | 97<br>10.3  | 103<br>-0.7 | 100<br>42             | 95<br>14.9  | 100<br>73  |            | 98<br>10.1    | 97<br>-5.1       | 76<br>0.7     | 104<br>17.5 | 100<br>1  | 100<br>13 | 95<br>0.40  | 94<br>-0.23 | 105<br>0.61 |
| OBS 260018<br>6020345820<br>OBS2618 | 2            | OBS 210077<br>OBS 150026 |  | 89<br>63         | 110<br>56     | 125<br>52 | 94<br>30  | 104<br>40   | 116<br>45 |              |             | 108<br>16     | 94<br>0.87   | 90<br>0.36   | 102<br>10 | 110<br>17.7 | 125<br>5.6  | 128<br>108            | 108<br>25.0 | 110<br>110 | 105<br>-44 | 105<br>14.0   | 104<br>-10.2     | 97<br>-3.5    | 111<br>21.4 | 115<br>10 | 117<br>29 | 105<br>1.39 | 98<br>0.01  | 102<br>0.39 |
| OBS 260019<br>6020345838<br>OBS2619 |              | OBS 210077<br>OBS 180229 |  | 104<br>63        | 99<br>55      | 99<br>50  | 107<br>23 | 95<br>38    | 99<br>43  |              |             | 95<br>12      | 108<br>-0.30 | 86<br>0.50   | 93<br>0   | 99<br>11.3  | 99<br>-1.7  | 99<br>40              | 97<br>16.6  | 101<br>76  |            | 99<br>10.5    | 104<br>-10.6     | 86<br>-1.3    | 101<br>15.3 | 101<br>2  | 101<br>14 | 96<br>0.47  | 94<br>-0.23 | 106<br>0.62 |
| OBS 260022<br>6020345853<br>OBS2622 | 1            | OBS 220208<br>OBS 170195 |  | 100<br>63        | 114<br>53     | 82<br>47  | 90<br>20  | 117<br>34   | 107<br>41 |              |             | 105<br>14     | 97<br>0.57   | 108<br>-0.35 | 111<br>19 | 114<br>20.2 | 82<br>-6.4  | 94<br>28              | 115<br>30.9 | 106<br>92  | 105<br>-45 | 105<br>14.2   | 104<br>-10.7     | 113<br>-6.7   | 122<br>28.7 | 102<br>2  | 108<br>21 | 108<br>1.68 | 105<br>0.38 | 102<br>0.38 |
| OBS 260025<br>6020345879<br>OBS2625 | 2            | OBS 220208<br>OBS 210161 |  | 105<br>62        | 113<br>54     | 79<br>41  | 96<br>21  | 114<br>35   | 107<br>40 |              |             | 101<br>14     | 103<br>0.06  | 102<br>-0.13 | 103<br>11 | 113<br>19.5 | 79<br>-7.4  | 93<br>26              | 110<br>27.1 | 102<br>78  | 100<br>-39 | 98<br>9.7     | 103<br>-9.5      | 114<br>-7.0   | 116<br>24.7 | 92<br>-3  | 99<br>12  | 104<br>1.29 | 104<br>0.34 | 103<br>0.46 |
| OBS 260031<br>6020345903<br>OBS2631 | 2            | OBS 210077<br>OBS 220019 |  | 104<br>62        | 99<br>54      | 100<br>45 | 114<br>30 | 107<br>40   | 112<br>43 |              |             | 89<br>16      | 104<br>-0.01 | 97<br>0.08   | 88<br>-6  | 99<br>11.2  | 100<br>-1.3 | 102<br>48             | 97<br>16.5  | 93<br>46   | 81<br>-19  | 95<br>8.1     | 117<br>-20.6     | 96<br>-3.3    | 107<br>19.1 | 95<br>-1  | 96<br>10  | 88<br>-0.32 | 99<br>0.06  | 101<br>0.38 |
| OBS 260039<br>6020345929<br>OBS2639 | 1            | OBS 210077<br>OBS 180097 |  | 100<br>63        | 101<br>55     | 99<br>50  | 110<br>25 | 89<br>38    | 96<br>43  |              |             | 95<br>14      | 100<br>0.30  | 97<br>0.06   | 91<br>-3  | 101<br>12.8 | 99<br>-1.7  | 103<br>48             | 101<br>19.6 | 100<br>71  | 89<br>-27  | 93<br>7.3     | 99<br>-7.1       | 68<br>2.4     | 109<br>20.6 | 98<br>0   | 100<br>13 | 94<br>0.24  | 98<br>0.01  | 107<br>0.69 |
| OBS 260040<br>6020345937<br>OBS2640 |              | OBS 220208<br>OBS 130292 |  | 97<br>63         | 109<br>52     | 105<br>49 | 88<br>16  | 106<br>30   | 105<br>40 |              |             | 103<br>12     | 97<br>0.58   | 100<br>-0.07 | 111<br>20 | 109<br>17.6 | 105<br>0.0  | 107<br>59             | 110<br>27.0 | 106<br>93  | 103<br>-43 | 97<br>9.2     | 97<br>-5.1       | 111<br>-6.3   | 106<br>18.7 | 105<br>4  | 110<br>23 | 105<br>1.39 | 101<br>0.19 | 102<br>0.44 |
| OBS 260042<br>6020345945<br>OBS2642 | 3            | OBS 220208<br>OBS 210179 |  | 108<br>62        | 108<br>54     | 87<br>44  | 100<br>21 | 121<br>36   | 117<br>41 |              |             | 98<br>14      | 108<br>-0.36 | 94<br>0.17   | 99<br>6   | 108<br>16.9 | 87<br>-5.2  | 97<br>34              | 106<br>23.3 | 99<br>67   | 92<br>-31  | 101<br>11.5   | 113<br>-17.4     | 120<br>-8.1   | 116<br>25.0 | 93<br>-3  | 99<br>12  | 102<br>1.08 | 103<br>0.31 | 101<br>0.33 |
| OBS 260048<br>6020345952<br>OBS2648 | 3            | OBS 220208<br>OBS 210219 |  | 101<br>61        | 112<br>52     | 94<br>38  | 91<br>17  | 118<br>33   | 114<br>38 |              |             | 103<br>13     | 99<br>0.40   | 103<br>-0.17 | 108<br>16 | 112<br>19.2 | 94<br>-3.0  | 103<br>50             | 112<br>28.0 | 106<br>94  | 105<br>-44 | 104<br>13.7   | 109<br>-14.3     | 116<br>-7.3   | 116<br>25.0 | 99<br>1   | 104<br>17 | 108<br>1.63 | 102<br>0.25 | 98<br>0.19  |
| OBS 260049<br>6020345960<br>OBS2649 | 6            | OBS 220208<br>OBS 190258 |  | 101<br>63        | 109<br>55     | 88<br>47  | 96<br>18  | 107<br>36   | 102<br>41 |              |             | 95<br>13      | 101<br>0.29  | 99<br>-0.01  | 103<br>10 | 109<br>17.1 | 88<br>-4.7  | 97<br>34              | 106<br>23.4 | 98<br>63   | 91<br>-29  | 97<br>9.5     | 94<br>-3.0       | 107<br>-5.4   | 115<br>23.8 | 93<br>-3  | 97<br>11  | 100<br>0.81 | 100<br>0.11 | 101<br>0.33 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
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Inbreeding in red is high

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Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          |        | Selection Values |               |           |           |             |           |              |             |               | Birth        |              | Wean      |             |             |                       | Growth      |            |            | Fertility     |                  |               |             | Frame     |           | Carcass     |             |             |
|--------------------------------------|--------------|--------------------------|--------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------|--------------|-----------|-------------|-------------|-----------------------|-------------|------------|------------|---------------|------------------|---------------|-------------|-----------|-----------|-------------|-------------|-------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID                  | Dam ID | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat    | Mature wt | Wean wt     | Wean mat    | Cow-Calf Ratio (Wean) | Postwean wt | ADG        | FCR        | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity   | Height    | Length    | EMA         | Fat         | Marbling    |
| ID<br>Number<br>Name                 |              |                          |        |                  |               |           |           |             |           |              |             |               |              |              |           |             |             |                       |             |            |            |               |                  |               |             |           |           |             |             |             |
| OBS 260050<br>6020345978<br>OBS2650  | 3            | OBS 220208<br>OBS 190282 |        | 99<br>63         | 115<br>55     | 95<br>46  | 90<br>18  | 115<br>36   | 112<br>41 |              |             | 108<br>13     | 100<br>0.31  | 95<br>0.15   | 110<br>18 | 115<br>20.8 | 95<br>-2.8  | 106<br>56             | 113<br>29.4 | 111<br>111 | 105<br>-45 | 106<br>14.7   | 104<br>-10.9     | 114<br>-6.8   | 116<br>24.7 | 105<br>4  | 109<br>22 | 112<br>2.05 | 102<br>0.20 | 104<br>0.50 |
| OBS 260055<br>6020345994<br>OBS2655  | 4            | OBS 200138<br>OBS 180014 |        | 120<br>84        | 104<br>83     | 81<br>82  | 111<br>79 | 121<br>80   | 122<br>75 | 98<br>80     | 116<br>76   | 97<br>79      | 113<br>-0.78 | 112<br>-0.54 | 92<br>-2  | 104<br>14.4 | 81<br>-6.8  | 90<br>18              | 95<br>15.2  | 96<br>59   | 90<br>-29  | 110<br>17.0   | 117<br>-21.2     | 120<br>-8.1   | 113<br>23.1 | 84<br>-8  | 91<br>5   | 97<br>0.57  | 104<br>0.35 | 105<br>0.57 |
| OBS 260056<br>6020346000<br>OBS2656  | 4            | OBS 230163<br>OBS 230032 |        | 72<br>85         | 128<br>84     | 83<br>83  | 84<br>81  | 116<br>82   | 100<br>76 | 117<br>80    | 100<br>77   | 120<br>80     | 61<br>3.58   | 99<br>-0.02  | 119<br>28 | 128<br>28.1 | 83<br>-6.3  | 105<br>54             | 122<br>36.2 | 120<br>143 | 107<br>-46 | 119<br>21.9   | 112<br>-16.6     | 115<br>-7.2   | 111<br>21.9 | 116<br>11 | 123<br>36 | 114<br>2.27 | 117<br>1.08 | 127<br>1.81 |
| OBS 260061<br>6020347412<br>OBS2661  | 3            | OBS 220208<br>OBS 190056 |        | 98<br>63         | 111<br>54     | 97<br>47  | 91<br>17  | 100<br>36   | 100<br>41 |              |             | 104<br>13     | 100<br>0.37  | 96<br>0.09   | 108<br>16 | 111<br>18.7 | 97<br>-2.2  | 105<br>53             | 108<br>25.5 | 106<br>93  | 105<br>-44 | 104<br>13.4   | 93<br>-1.7       | 91<br>-2.3    | 115<br>24.3 | 102<br>3  | 106<br>19 | 107<br>1.57 | 103<br>0.27 | 102<br>0.39 |
| OBS 260065<br>6020347511<br>OBS2665  | 4            | OBS 210077<br>OBS 220217 |        | 103<br>62        | 102<br>54     | 102<br>44 | 104<br>24 | 102<br>37   | 106<br>41 |              |             | 98<br>14      | 104<br>-0.01 | 95<br>0.14   | 95<br>1   | 102<br>13.4 | 102<br>-0.9 | 104<br>53             | 100<br>19.1 | 103<br>81  | 90<br>-29  | 97<br>9.7     | 98<br>-5.7       | 96<br>-3.2    | 111<br>21.5 | 101<br>2  | 104<br>18 | 97<br>0.59  | 100<br>0.11 | 113<br>1.06 |
| OBS 260074<br>6020347479<br>OBS2674  | 5            | OBS 220095<br>OBS 230174 |        | 91<br>58         | 105<br>49     | 88<br>37  | 98<br>20  | 134<br>31   | 115<br>37 |              |             | 95<br>14      | 86<br>1.47   | 117<br>-0.72 | 100<br>7  | 105<br>15.1 | 88<br>-4.9  | 94<br>27              | 103<br>21.7 | 98<br>63   | 86<br>-24  | 87<br>3.6     | 129<br>-30.0     | 131<br>-10.4  | 120<br>27.2 | 88<br>-5  | 101<br>15 | 94<br>0.22  | 109<br>0.62 | 107<br>0.72 |
| OBS 260075<br>6020347487<br>OBS2675  | 4            | OBS 210077<br>OBS 230047 |        | 99<br>62         | 104<br>54     | 101<br>43 | 100<br>24 | 91<br>37    | 95<br>41  |              |             | 102<br>14     | 101<br>0.28  | 95<br>0.14   | 98<br>5   | 104<br>14.7 | 101<br>-1.1 | 105<br>54             | 103<br>21.0 | 106<br>93  | 94<br>-32  | 101<br>11.9   | 84<br>4.7        | 84<br>-0.8    | 110<br>20.9 | 104<br>4  | 108<br>21 | 100<br>0.89 | 100<br>0.12 | 115<br>1.17 |
| OBS 260077<br>6020347495<br>OBS2677  |              | OBS 220208<br>OBS 130201 |        | 105<br>63        | 110<br>53     | 85<br>50  | 94<br>17  | 116<br>34   | 109<br>41 |              |             | 99<br>12      | 102<br>0.20  | 108<br>-0.39 | 105<br>13 | 110<br>18.2 | 85<br>-5.7  | 95<br>30              | 111<br>27.4 | 101<br>75  | 103<br>-43 | 98<br>9.8     | 105<br>-11.8     | 114<br>-6.9   | 118<br>26.1 | 96<br>-1  | 100<br>13 | 101<br>0.94 | 107<br>0.49 | 102<br>0.39 |
| OBS 260081<br>6020635394<br>OBS2681  |              | OBS 210077<br>OBS 210021 |        | 107<br>62        | 90<br>55      | 112<br>48 | 111<br>26 | 106<br>37   | 111<br>43 | 98<br>23     | 106<br>39   | 91<br>20      | 113<br>-0.72 | 79<br>0.79   | 90<br>-4  | 90<br>6.3   | 112<br>2.1  | 102<br>48             | 93<br>14.0  | 100<br>74  | 97<br>-35  | 89<br>4.8     | 121<br>-24.1     | 90<br>-2.0    | 107<br>19.1 | 99<br>1   | 95<br>9   | 90<br>-0.10 | 106<br>0.44 | 101<br>0.35 |
| OBS 260099<br>6020635428<br>OBS2699  | 1            | OBS 210077<br>OBS 200025 |        | 101<br>62        | 102<br>54     | 93<br>47  | 111<br>23 | 106<br>36   | 108<br>42 |              |             | 95<br>14      | 104<br>0.03  | 90<br>0.33   | 91<br>-3  | 102<br>13.5 | 93<br>-3.4  | 99<br>39              | 103<br>21.7 | 101<br>77  | 90<br>-28  | 96<br>9.1     | 112<br>-16.9     | 98<br>-3.6    | 107<br>19.4 | 94<br>-2  | 99<br>12  | 97<br>0.56  | 97<br>-0.08 | 108<br>0.73 |
| OBS 260106<br>6020635436<br>OBS26106 |              | JAN 222010<br>OBS 180132 |        | 100<br>54        | 100<br>37     | 102<br>40 | 115<br>15 | 99<br>26    | 108<br>32 |              |             | 91<br>8       | 104<br>0.00  | 86<br>0.50   | 87<br>-8  | 100<br>12.4 | 102<br>-0.7 | 107<br>59             | 99<br>18.3  | 96<br>57   |            | 100<br>11.1   | 98<br>-5.8       | 99<br>-3.8    | 103<br>16.9 | 102<br>2  | 98<br>12  | 89<br>-0.26 | 97<br>-0.05 | 97<br>0.10  |
| OBS 260108<br>6020635444<br>OBS26108 | 1            | OBS 220095<br>OBS 230139 |        | 92<br>57         | 105<br>49     | 89<br>36  | 97<br>20  | 117<br>30   | 103<br>36 |              |             | 95<br>15      | 89<br>1.21   | 111<br>-0.47 | 101<br>9  | 105<br>15.0 | 89<br>-4.5  | 94<br>28              | 103<br>21.3 | 100<br>70  | 94<br>-33  | 88<br>4.5     | 119<br>-22.1     | 113<br>-6.7   | 110<br>20.8 | 93<br>-3  | 100<br>13 | 96<br>0.42  | 109<br>0.62 | 108<br>0.73 |

# Breeding Values and Accuracies: Bulls

Green: >120 High  
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Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          | Selection Values |               |           |           |             |           |              |             |               |                    | Birth              |                 | Wean              |                   |                       |             | Growth            |                 |                  | Fertility         |                    |                   |                   | Frame          |                 | Carcass           |                   |                   |
|--------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------|-------------------|-----------------|------------------|-------------------|--------------------|-------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR             | Scrotal Circ.    | Heifer Fertility  | Cow Fertility      | Longevity         | Height            | Length         | EMA             | Fat               | Marbling          |                   |
|                                      |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |             |                   |                 |                  |                   |                    |                   |                   |                |                 |                   |                   |                   |
| OBS 260109<br>6020636046<br>OBS26109 |              | OBS 210077<br>OBS 210146 | 106<br>62        | 102<br>54     | 96<br>43  | 108<br>25 | 99<br>37    | 104<br>41 |              |             | 98<br>14      | 109<br>-0.39<br>66 | 88<br>0.43<br>47   | 93<br>-1<br>25  | 102<br>13.2<br>54 | 96<br>-2.6<br>43  | 100<br>42<br>41       |             | 99<br>18.3<br>44  | 103<br>84<br>30 | 95<br>-34<br>5   | 97<br>9.5<br>31   | 104<br>-10.4<br>42 | 91<br>-2.2<br>26  | 105<br>17.9<br>44 | 99<br>1<br>30  | 101<br>14<br>29 | 98<br>0.65<br>14  | 97<br>-0.05<br>13 | 111<br>0.93<br>12 |
| OBS 260118<br>6020894330<br>OBS26118 |              | OBS 230228<br>OBS 230181 | 119<br>56        | 100<br>45     | 82<br>36  | 113<br>12 | 102<br>28   | 106<br>33 |              |             | 89<br>6       | 114<br>-0.84<br>60 | 108<br>-0.39<br>40 | 90<br>-4<br>12  | 100<br>12.0<br>45 | 82<br>-6.5<br>36  | 87<br>11<br>31        |             | 94<br>14.3<br>32  | 92<br>42<br>12  |                  | 94<br>7.5<br>12   | 96<br>-4.6<br>34   | 96<br>-3.2<br>15  | 113<br>23.0<br>34 | 92<br>-3<br>12 | 90<br>4<br>12   | 89<br>-0.19<br>6  | 95<br>-0.17<br>5  | 99<br>0.22<br>5   |
| OBS 260126<br>6020894363<br>OBS26126 |              | OBS 220208<br>OBS 210085 | 100<br>62        | 107<br>55     | 103<br>46 | 95<br>22  | 107<br>35   | 108<br>41 | 97<br>23     | 102<br>37   | 101<br>20     | 103<br>0.11<br>66  | 90<br>0.34<br>48   | 103<br>11<br>22 | 107<br>16.4<br>55 | 103<br>-0.5<br>46 | 107<br>59<br>41       |             | 111<br>27.7<br>41 | 106<br>93<br>24 | 108<br>-48<br>20 | 97<br>9.3<br>27   | 97<br>-5.3<br>40   | 103<br>-4.7<br>25 | 115<br>23.8<br>41 | 102<br>2<br>27 | 103<br>16<br>26 | 102<br>1.03<br>21 | 118<br>1.18<br>19 | 104<br>0.55<br>19 |
| OBS 260132<br>6020894405<br>OBS26132 | 3            | OBS 220208<br>OBS 190250 | 103<br>62        | 112<br>54     | 94<br>45  | 92<br>18  | 108<br>36   | 107<br>40 |              |             | 104<br>13     | 103<br>0.10<br>66  | 98<br>0.02<br>49   | 106<br>14<br>18 | 112<br>18.8<br>54 | 94<br>-3.2<br>45  | 102<br>48<br>39       |             | 108<br>25.6<br>40 | 105<br>91<br>18 | 101<br>-41<br>9  | 104<br>13.2<br>20 | 94<br>-2.8<br>40   | 107<br>-5.5<br>26 | 117<br>25.6<br>43 | 100<br>1<br>20 | 105<br>18<br>19 | 109<br>1.72<br>14 | 103<br>0.28<br>12 | 105<br>0.59<br>12 |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                                        |              |                          |        | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |                   |                  | Fertility        |                   |                    |                   | Frame             |                 | Carcass         |                   |                   |                   |
|-----------------------------------------------|--------------|--------------------------|--------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                           | % Inbreeding | Sire ID                  | Dam ID | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                          |              |                          |        |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                  |                  |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 130201<br>83629121<br>OSTERLOH OBS 13 201 |              | BOS 100801               |        | 112<br>75        | 97<br>66      | 79<br>79  | 115<br>10 | 108<br>47   | 104<br>52 |              |             |               | 105<br>-0.05<br>75 | 118<br>-0.78<br>75 | 89<br>-6<br>10  | 97<br>10.4<br>66  | 79<br>-7.4<br>79  | 81<br>-2<br>52        | 95<br>14.8<br>44  | 87<br>23<br>21   |                  | 87<br>3.5<br>23   | 104<br>-10.9<br>60 | 104<br>-4.9<br>23 | 111<br>21.8<br>57 | 89<br>-5<br>20  | 81<br>-5<br>20  |                   |                   |                   |
| OBS 130292<br>83462101<br>OSTERLOH OBS 13 292 |              | BOS 100651               |        | 100<br>72        | 93<br>63      | 118<br>77 |           | 88<br>31    |           |              |             |               | 100<br>0.35<br>72  | 101<br>-0.08<br>71 |                 | 93<br>8.3<br>63   | 118<br>3.6<br>77  | 105<br>55<br>47       | 92<br>12.8<br>36  |                  |                  |                   | 87<br>2.4<br>24    | 99<br>-3.8<br>14  | 87<br>6.9<br>56   |                 |                 |                   |                   |                   |
| OBS 140089<br>79503538<br>OBS 14 89           |              | PD 100075<br>OBS 110024  |        | 119<br>73        | 86<br>73      | 75<br>81  | 112<br>31 | 87<br>51    | 79<br>58  |              |             | 76<br>14      | 115<br>-0.91<br>72 | 105<br>-0.25<br>75 | 91<br>-3<br>31  | 86<br>4.2<br>73   | 75<br>-8.5<br>81  | 65<br>-41<br>62       | 88<br>9.5<br>53   | 81<br>4<br>21    | 73<br>-10<br>6   | 86<br>3.3<br>22   | 85<br>4.1<br>54    | 83<br>-0.7<br>33  | 103<br>16.5<br>65 | 78<br>-11<br>22 | 81<br>-5<br>21  | 80<br>-1.13<br>14 | 90<br>-0.50<br>13 | 83<br>-0.67<br>12 |
| OBS 140255<br>83627141<br>OBS14255            |              | BOS 111100<br>BOS 100598 |        | 108<br>76        | 90<br>77      | 68<br>82  | 129<br>31 | 104<br>56   | 95<br>60  | 75<br>22     | 85<br>52    | 67<br>19      | 103<br>0.10<br>76  | 113<br>-0.56<br>75 | 73<br>-24<br>31 | 90<br>6.1<br>77   | 68<br>-10.3<br>82 | 69<br>-31<br>63       | 87<br>8.8<br>62   | 73<br>-26<br>30  | 63<br>1<br>10    | 67<br>-7.6<br>33  | 112<br>-17.2<br>64 | 88<br>-1.7<br>37  | 111<br>21.8<br>67 | 78<br>-11<br>33 | 74<br>-12<br>32 | 67<br>-2.42<br>20 | 106<br>0.45<br>18 | 94<br>-0.06<br>17 |
| OBS 150026<br>83572313<br>OBS1526             |              | BOS 033044<br>OBS 010002 |        | 80<br>73         | 116<br>73     | 140<br>79 | 89<br>39  | 111<br>56   | 127<br>60 | 99<br>26     | 120<br>53   | 110<br>20     | 82<br>1.81<br>73   | 98<br>0.02<br>72   | 108<br>16<br>39 | 116<br>21.4<br>73 | 140<br>9.8<br>79  | 144<br>145<br>64      | 109<br>26.2<br>58 | 109<br>105<br>38 | 119<br>-59<br>13 | 108<br>15.8<br>40 | 94<br>-3.0<br>61   | 115<br>-7.0<br>44 | 115<br>24.3<br>63 | 124<br>16<br>40 | 120<br>32<br>40 | 104<br>1.28<br>20 | 95<br>-0.21<br>19 | 84<br>-0.64<br>18 |
| OBS 150156<br>83572834<br>OBS15156            |              | BOS 033044<br>OBS 110227 |        | 104<br>77        | 96<br>75      | 96<br>80  | 113<br>39 | 108<br>59   | 108<br>61 | 85<br>26     | 100<br>54   | 85<br>20      | 105<br>-0.05<br>77 | 95<br>0.15<br>76   | 89<br>-6<br>39  | 96<br>10.0<br>75  | 96<br>-2.5<br>80  | 96<br>32<br>65        | 89<br>10.5<br>59  | 82<br>5<br>38    | 76<br>-13<br>13  | 85<br>2.6<br>40   | 96<br>-4.3<br>66   | 103<br>-4.7<br>45 | 118<br>26.1<br>66 | 88<br>-6<br>40  | 90<br>3<br>40   | 82<br>-0.87<br>20 | 94<br>-0.26<br>19 | 81<br>-0.77<br>18 |
| OBS 150194<br>83572842<br>OBS15194            |              | PD 110244<br>OBS 110203  |        | 106<br>78        | 94<br>71      | 94<br>73  | 110<br>11 | 113<br>53   | 108<br>54 |              |             |               | 106<br>-0.19<br>78 | 96<br>0.09<br>76   | 92<br>-2<br>11  | 94<br>8.4<br>71   | 94<br>-3.1<br>73  | 90<br>17<br>52        | 87<br>8.6<br>54   | 92<br>42<br>11   |                  | 93<br>7.2<br>12   | 117<br>-21.1<br>59 | 113<br>-6.7<br>35 | 102<br>16.1<br>66 | 94<br>-2<br>12  | 86<br>0<br>11   |                   |                   |                   |
| OBS 160006<br>83628792<br>OBS166              |              | PD 110244<br>OBS 100411  |        | 105<br>76        | 109<br>74     | 97<br>78  | 94<br>11  | 104<br>54   | 106<br>55 |              |             |               | 104<br>0.00<br>76  | 102<br>-0.12<br>75 | 105<br>12<br>11 | 109<br>17.1<br>74 | 97<br>-2.3<br>78  | 103<br>49<br>54       | 102<br>20.8<br>54 | 106<br>93<br>11  |                  | 111<br>17.4<br>12 | 111<br>-15.8<br>59 | 103<br>-4.8<br>37 | 98<br>13.4<br>65  | 110<br>7<br>12  | 106<br>19<br>11 |                   |                   |                   |
| OBS 160054<br>83595033<br>OBS1654             |              | PD 110244<br>OBS 090142  |        | 108<br>77        | 95<br>75      | 101<br>79 | 112<br>11 | 113<br>55   | 115<br>56 |              |             |               | 109<br>-0.41<br>77 | 94<br>0.20<br>77   | 90<br>-4<br>11  | 95<br>9.2<br>75   | 101<br>-1.2<br>79 | 98<br>37<br>55        | 87<br>8.8<br>56   | 87<br>24<br>11   |                  | 99<br>10.5<br>12  | 112<br>-17.0<br>62 | 118<br>-7.7<br>38 | 102<br>16.2<br>64 | 97<br>0<br>12   | 85<br>-1<br>11  |                   |                   |                   |
| OBS 160076<br>83628834<br>OBS1676             |              | PD 110244<br>OBS 100416  |        | 95<br>74         | 102<br>70     | 92<br>75  | 105<br>11 | 107<br>51   | 101<br>53 |              |             |               | 100<br>0.35<br>74  | 85<br>0.54<br>73   | 94<br>1<br>11   | 102<br>13.4<br>70 | 92<br>-3.6<br>75  | 97<br>34<br>52        | 95<br>15.2<br>54  | 93<br>47<br>11   |                  | 98<br>10.2<br>12  | 107<br>-13.1<br>57 | 110<br>-6.1<br>33 | 101<br>15.2<br>63 | 100<br>1<br>12  | 90<br>4<br>11   |                   |                   |                   |
| OBS 160077<br>83628933<br>OBS1677             |              | PD 110244<br>BOS 100348  |        | 92<br>76         | 113<br>75     | 89<br>78  | 102<br>26 | 102<br>57   | 102<br>58 |              |             | 101<br>10     | 95<br>0.73<br>76   | 91<br>0.31<br>75   | 97<br>3<br>26   | 113<br>19.9<br>75 | 89<br>-4.5<br>78  | 105<br>54<br>60       | 107<br>24.1<br>59 | 107<br>97<br>28  |                  | 106<br>14.4<br>29 | 102<br>-8.7<br>65  | 96<br>-3.2<br>41  | 109<br>20.2<br>66 | 108<br>6<br>29  | 103<br>16<br>29 | 105<br>1.33<br>10 | 91<br>-0.42<br>9  | 104<br>0.52<br>9  |
| OBS 160131<br>90987926<br>160131              |              |                          |        | 94<br>52         | 85<br>50      | 109<br>67 |           |             |           |              |             |               | 103<br>0.09<br>51  | 74<br>0.96<br>56   |                 | 85<br>3.4<br>50   | 109<br>1.2<br>67  |                       | 84<br>6.9<br>21   |                  |                  |                   | 84<br>4.7<br>21    |                   | 113<br>22.6<br>44 |                 |                 |                   |                   |                   |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high |              |            |        | Value <80        |               | Value >120 |          | Breeding values with an accuracy < 5% are not printed |           |              |             |               |              |           |           |         |          |                       |             |      |           |               |                  |               |           |        |         |     |       |          |       |
|---------------------------|--------------|------------|--------|------------------|---------------|------------|----------|-------------------------------------------------------|-----------|--------------|-------------|---------------|--------------|-----------|-----------|---------|----------|-----------------------|-------------|------|-----------|---------------|------------------|---------------|-----------|--------|---------|-----|-------|----------|-------|
| Animal                    |              |            |        | Selection Values |               |            |          |                                                       |           |              |             | Birth         |              | Wean      |           |         |          | Growth                |             |      | Fertility |               |                  |               | Frame     |        | Carcass |     |       |          |       |
| Index<br>EBV<br>Acc       | % Inbreeding | Sire ID    | Dam ID | Calv. Ease V     | Calf Growth V | Milk V     | Maint. V | Fertility V                                           | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG  | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height | Length  | EMA | Fat   | Marbling |       |
| ID<br>Number<br>Name      |              |            |        |                  |               |            |          |                                                       |           |              |             |               |              |           |           |         |          |                       |             |      |           |               |                  |               |           |        |         |     |       |          |       |
| OBS 160140                |              | PD 110244  |        | 114              | 89            | 81         | 116      | 98                                                    | 92        |              |             |               | 113          | 98        | 87        | 89      | 81       | 75                    |             | 81   | 84        |               | 91               | 94            | 108       | 94     | 90      | 80  |       |          |       |
| 84342922                  |              | OBS 100401 |        | 74               | 70            | 75         | 11       | 52                                                    | 53        |              |             |               | -0.71        | 0.02      | -8        | 5.8     | -6.8     | -17                   |             | 4.3  | 13        |               | 5.8              | -2.7          | -5.6      | 11.0   | -5      | -6  |       |          |       |
| OBS16140                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 72        | 11        | 70      | 75       | 52                    |             | 52   | 11        |               | 12               | 57            | 35        | 64     | 12      | 11  |       |          |       |
| OBS 160144                |              |            |        | 110              | 81            | 98         |          |                                                       |           |              |             |               | 112          | 89        |           | 81      | 98       |                       |             | 80   |           |               |                  |               | 110       |        |         |     |       |          |       |
| 90987934                  |              |            |        | 52               | 50            | 68         |          |                                                       |           |              |             |               | -0.67        | 0.38      |           | 0.8     | -2.1     |                       |             | 3.4  |           |               |                  |               | 21.1      |        |         |     |       |          |       |
| 160144                    |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 51           | 56        |           | 50      | 68       |                       |             | 21   |           |               |                  |               | 43        |        |         |     |       |          |       |
| OBS 160145                |              | PD 110244  |        | 110              | 95            | 74         | 117      | 95                                                    | 89        |              |             |               | 109          | 99        | 87        | 95      | 74       | 76                    |             | 85   | 88        |               | 90               | 89            | 94        | 105    | 88      | 80  |       |          |       |
| 84342708                  |              | BOS 100801 |        | 75               | 75            | 77         | 15       | 56                                                    | 56        |              |             |               | -0.39        | -0.03     | -8        | 9.3     | -8.8     | -16                   |             | 7.7  | 30        |               | 5.7              | 1.0           | -2.9      | 17.6   | -5      | -6  |       |          |       |
| OBS16145                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 76           | 73        | 15        | 75      | 77       | 56                    |             | 59   | 24        |               | 25               | 63            | 39        | 65     | 23      | 23  |       |          |       |
| OBS 160519                |              | PD 110244  |        | 83               | 107           | 92         | 108      | 117                                                   | 109       |              |             |               | 90           | 85        | 93        | 107     | 92       | 102                   |             | 98   | 98        |               | 98               | 123           | 123       | 97     | 102     | 96  |       |          |       |
| 84639384                  |              | OBS 130193 |        | 75               | 72            | 78         | 11       | 53                                                    | 55        |              |             |               | 1.19         | 0.54      | 0         | 16.3    | -3.8     | 47                    |             | 17.5 | 66        |               | 9.9              | -25.5         | -8.8      | 12.8   | 2       | 10  |       |          |       |
| OBS16519                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 75           | 73        | 11        | 72      | 78       | 54                    |             | 54   | 11        |               | 12               | 59            | 36        | 64     | 12      | 11  |       |          |       |
| OBS 160531                |              | PD 130002  |        | 102              | 107           | 87         | 99       | 103                                                   | 99        |              | 102         |               | 106          | 84        | 100       | 107     | 87       | 95                    |             | 105  | 103       |               | 108              | 114           | 94        | 103    | 97      | 103 | 103   | 103      | 112   |
| 84634708                  |              | PD 080151  |        | 74               | 74            | 77         | 24       | 53                                                    | 57        |              | 12          |               | -0.20        | 0.58      | 7         | 16.4    | -5.2     | 31                    |             | 23.0 | 81        |               | 15.8             | -18.5         | -2.8      | 16.8   | 0       | 16  | 1.19  | 0.27     | 0.98  |
| OBS16531                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 75           | 71        | 24        | 74      | 77       | 58                    |             | 54   | 20        |               | 21               | 59            | 36        | 63     | 21      | 21  | 13    | 12       | 12    |
| BOS 177453                | 4            | BOS 144062 |        | 99               | 108           | 98         | 95       | 112                                                   | 110       | 102          | 105         | 104           | 93           | 117       | 103       | 108     | 98       | 104                   |             | 109  | 106       | 98            | 83               | 118           | 97        | 116    | 97      | 109 | 108   | 98       | 103   |
| 86461464                  |              | BOS 099148 |        | 47               | 69            | 67         | 41       | 57                                                    | 52        | 28           | 47          | 20            | 0.93         | -0.74     | 11        | 17.0    | -1.9     | 52                    |             | 25.7 | 94        | -37           | 1.2              | -21.4         | -3.4      | 24.9   | 0       | 22  | 1.66  | -0.02    | 0.48  |
| BOS177453                 |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 47           | 45        | 41        | 69      | 67       | 59                    |             | 54   | 41        | 11            | 44               | 64            | 42        | 64     | 44      | 43  | 20    | 19       | 18    |
| OBS 170016                |              | PD 110244  |        | 113              | 99            | 105        | 104      | 120                                                   | 124       |              |             |               | 110          | 105       | 94        | 99      | 105      | 104                   |             | 90   | 93        |               | 100              | 115           | 123       | 110    | 102     | 90  |       |          |       |
| 85313583                  |              | OBS 090142 |        | 77               | 76            | 79         | 11       | 53                                                    | 56        |              |             |               | -0.48        | -0.27     | 1         | 11.3    | 0.1      | 51                    |             | 11.3 | 45        |               | 11.1             | -19.5         | -8.7      | 20.7   | 3       | 4   |       |          |       |
| OBS1716                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 78           | 74        | 11        | 76      | 79       | 55                    |             | 56   | 11        |               | 12               | 59            | 35        | 64     | 12      | 11  |       |          |       |
| OBS 170058                |              | PD 110244  |        | 110              | 98            | 84         | 113      | 90                                                    | 92        |              |             |               | 111          | 94        | 90        | 98      | 84       | 86                    |             | 90   | 87        |               | 99               | 88            | 78        | 110    | 88      | 82  |       |          |       |
| 85319234                  |              | OBS 100424 |        | 74               | 69            | 71         | 11       | 52                                                    | 52        |              |             |               | -0.59        | 0.20      | -4        | 10.7    | -5.9     | 9                     |             | 11.0 | 23        |               | 10.7             | 1.6           | 0.3       | 21.1   | -6      | -4  |       |          |       |
| OBS1758                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 72        | 11        | 69      | 71       | 50                    |             | 54   | 11        |               | 12               | 58            | 36        | 63     | 12      | 11  |       |          |       |
| OBS 170059                |              | PD 110244  |        | 118              | 97            | 77         | 118      | 110                                                   | 109       |              |             |               | 117          | 96        | 86        | 97      | 77       | 81                    |             | 87   | 93        |               | 95               | 114           | 100       | 112    | 87      | 84  |       |          |       |
| 85313641                  |              | OBS 070110 |        | 74               | 72            | 76         | 15       | 55                                                    | 55        |              |             |               | -1.09        | 0.11      | -9        | 10.6    | -8.0     | -3                    |             | 9.2  | 48        |               | 8.0              | -18.6         | -4.0      | 22.2   | -6      | -2  |       |          |       |
| OBS1759                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 72        | 15        | 72      | 76       | 54                    |             | 58   | 15        |               | 16               | 63            | 40        | 63     | 15      | 15  |       |          |       |
| OBS 170115                |              |            |        | 103              | 88            | 118        |          | 105                                                   |           |              |             |               | 104          | 94        |           | 88      | 118      |                       |             | 87   |           |               | 95               | 97            | 119       |        |         |     |       |          |       |
| 90987942                  |              |            |        | 58               | 52            | 69         |          | 25                                                    |           |              |             |               | 0.00         | 0.17      |           | 5.0     | 3.6      |                       |             | 8.7  |           |               |                  |               |           |        |         |     |       |          |       |
| 170115                    |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 57           | 62        |           | 52      | 69       |                       |             | 24   |           |               | 30               | 5             | 26.4      |        |         |     |       |          |       |
| OBS 170116                |              | BOS 144003 |        | 113              | 101           | 63         | 114      | 107                                                   | 98        |              | 83          |               | 107          | 116       | 90        | 101     | 63       | 72                    |             | 98   | 87        | 90            | 86               | 101           | 104       | 113    | 84      | 79  | 82    | 106      | 101   |
| 86008992                  |              | OBS 130201 |        | 72               | 71            | 75         | 24       | 51                                                    | 55        |              | 12          |               | -0.21        | -0.67     | -5        | 12.6    | -11.7    | -25                   |             | 17.7 | 26        | -28           | 3.2              | -7.9          | -4.8      | 22.9   | -8      | -6  | -0.91 | 0.49     | 0.33  |
| OBS17116                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 73           | 68        | 24        | 71      | 75       | 57                    |             | 50   | 25        | 7             | 27               | 58            | 35        | 59     | 26      | 26  | 12    | 11       | 11    |
| OBS 170164                |              | BOS 144003 |        | 108              | 85            | 94         | 120      | 84                                                    | 86        |              | 72          |               | 103          | 112       | 83        | 85      | 94       | 84                    |             | 84   | 79        | 81            | 83               | 88            | 68        | 107    | 81      | 77  | 74    | 88       | 88    |
| 86547262                  |              | OBS 130002 |        | 71               | 71            | 74         | 23       | 51                                                    | 54        |              | 12          |               | 0.07         | -0.55     | -13       | 3.6     | -3.1     | 4                     |             | 6.4  | -3        | -19           | 1.4              | 1.9           | 2.3       | 19.3   | -9      | -9  | -1.70 | -0.59    | -0.38 |
| OBS17164                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 72           | 67        | 23        | 71      | 74       | 56                    |             | 50   | 23        | 7             | 24               | 59            | 35        | 60     | 24      | 24  | 12    | 11       | 11    |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                |                   |                   | Growth                |                   |                | Fertility      |                   |                    |                   | Frame             |                | Carcass         |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|----------------|-------------------|-------------------|-----------------------|-------------------|----------------|----------------|-------------------|--------------------|-------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt      | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG            | FCR            | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                |                   |                   |                       |                   |                |                |                   |                    |                   |                   |                |                 |                   |                   |                   |
| OBS 170195<br>86547411<br>OBS17195  |              | BOS 144003<br>OBS 130062 | 98<br>73         | 106<br>67     | 74<br>74  | 99<br>23  | 111<br>46   | 94<br>53  |              |             | 93<br>12      | 92<br>1.02<br>74   | 118<br>-0.77<br>71 | 100<br>7<br>23 | 106<br>15.3<br>67 | 74<br>-8.6<br>74  | 83<br>2<br>55         | 105<br>22.9<br>48 | 96<br>57<br>23 | 98<br>-37<br>7 | 102<br>12.3<br>24 | 102<br>-8.9<br>48  | 103<br>-4.6<br>30 | 120<br>27.1<br>60 | 101<br>2<br>24 | 97<br>11<br>24  | 94<br>0.25<br>12  | 93<br>-0.31<br>11 | 96<br>0.08<br>11  |
| OBS 170196<br>86547429<br>OBS17196  |              | PD 110244<br>PD 080151   | 102<br>71        | 104<br>71     | 95<br>70  | 108<br>14 | 96<br>54    | 101<br>53 |              |             |               | 103<br>0.05<br>72  | 95<br>0.15<br>68   | 93<br>-1<br>14 | 104<br>14.3<br>71 | 95<br>-2.9<br>70  | 101<br>44<br>52       | 95<br>15.1<br>54  | 97<br>62<br>11 |                | 100<br>11.2<br>12 | 103<br>-10.1<br>62 | 96<br>-3.2<br>37  | 95<br>12.0<br>63  | 98<br>0<br>12  | 93<br>7<br>11   |                   |                   |                   |
| OBS 171410<br>95362877<br>17 1410   |              |                          | 119<br>37        | 78<br>34      | 86<br>50  |           |             |           |              |             |               | 118<br>-1.14<br>36 | 96<br>0.11<br>40   |                | 78<br>-0.8<br>34  | 86<br>-5.4<br>50  |                       | 77<br>1.1<br>16   |                |                |                   |                    |                   | 115<br>24.2<br>35 |                |                 |                   |                   |                   |
| BOS 188724<br>87826574<br>BOS188724 | 4            | BOS 111440<br>BOS 133622 | 111<br>54        | 103<br>70     | 99<br>69  | 99<br>36  | 113<br>55   | 115<br>53 | 83<br>23     | 106<br>47   | 91<br>24      | 112<br>-0.67<br>54 | 93<br>0.24<br>54   | 99<br>5<br>36  | 103<br>14.0<br>70 | 99<br>-1.7<br>69  | 102<br>46<br>58       | 101<br>20.1<br>52 | 86<br>23<br>35 | 78<br>-16<br>8 | 102<br>12.5<br>39 | 109<br>-14.6<br>62 | 121<br>-8.4<br>38 | 101<br>15.7<br>64 | 97<br>0<br>39  | 100<br>13<br>38 | 89<br>-0.23<br>26 | 101<br>0.15<br>23 | 91<br>-0.23<br>23 |
| OBS 180014<br>86968377<br>OBS1814   |              | OBS 140017<br>OBS 140038 | 105<br>70        | 96<br>70      | 104<br>73 | 100<br>21 | 121<br>48   | 115<br>53 |              |             | 92<br>12      | 102<br>0.14<br>71  | 107<br>-0.32<br>67 | 98<br>5<br>21  | 96<br>9.7<br>70   | 104<br>-0.4<br>73 | 98<br>37<br>55        | 92<br>12.8<br>52  | 93<br>47<br>20 |                | 107<br>15.2<br>21 | 124<br>-26.3<br>53 | 113<br>-6.7<br>33 | 115<br>23.8<br>58 | 91<br>-4<br>21 | 97<br>10<br>21  | 90<br>-0.10<br>13 | 106<br>0.46<br>12 | 98<br>0.16<br>12  |
| OBS 180018<br>86968393<br>OBS1818   |              | OBS 140017<br>OBS 100420 | 110<br>69        | 91<br>68      | 114<br>73 |           | 114<br>44   |           |              |             |               | 106<br>-0.13<br>70 | 109<br>-0.41<br>65 |                | 91<br>7.2<br>68   | 114<br>2.4<br>73  | 101<br>45<br>47       | 91<br>12.1<br>48  |                |                |                   | 109<br>-14.6<br>51 | 108<br>-5.6<br>27 | 117<br>25.1<br>54 |                |                 |                   |                   |                   |
| OBS 180026<br>86969938<br>OBS1826   |              | OBS 140017<br>OBS 090142 | 121<br>71        | 83<br>69      | 100<br>73 |           | 118<br>47   |           |              |             |               | 114<br>-0.80<br>72 | 114<br>-0.60<br>69 |                | 83<br>2.0<br>69   | 100<br>-1.3<br>73 |                       | 80<br>3.3<br>50   |                |                |                   | 126<br>-27.6<br>56 | 105<br>-5.0<br>29 | 114<br>23.5<br>56 |                |                 |                   |                   |                   |
| OBS 180097<br>86972809<br>OBS1897   |              | BOS 144003<br>OBS 130293 | 104<br>72        | 98<br>70      | 87<br>74  | 117<br>23 | 80<br>51    | 86<br>54  |              |             | 83<br>12      | 99<br>0.39<br>73   | 112<br>-0.52<br>69 | 86<br>-9<br>23 | 98<br>10.9<br>70  | 87<br>-5.0<br>74  | 91<br>21<br>56        | 94<br>14.4<br>56  | 87<br>27<br>23 | 87<br>-25<br>7 | 85<br>2.3<br>24   | 86<br>3.3<br>58    | 56<br>4.8<br>36   | 113<br>22.8<br>58 | 90<br>-5<br>24 | 86<br>0<br>24   | 81<br>-1.03<br>12 | 95<br>-0.19<br>11 | 94<br>-0.03<br>11 |
| OBS 180115<br>87723888<br>OBS18115  |              | OBS 140256<br>OBS 150219 | 90<br>74         | 111<br>69     | 98<br>63  | 99<br>17  | 94<br>43    | 97<br>50  |              |             | 94<br>10      | 93<br>0.92<br>76   | 93<br>0.20<br>69   | 99<br>6<br>17  | 111<br>18.4<br>69 | 98<br>-1.9<br>63  | 109<br>63<br>50       | 108<br>25.0<br>49 | 99<br>70<br>16 | 95<br>-34<br>5 | 96<br>8.7<br>17   | 91<br>-0.2<br>41   | 85<br>-1.0<br>31  | 112<br>22.1<br>57 | 103<br>3<br>18 | 100<br>13<br>17 | 95<br>0.32<br>10  | 95<br>-0.16<br>9  | 96<br>0.05<br>9   |
| OBS 180116<br>87723896<br>OBS18116  |              | OBS 140256<br>OBS 150156 | 105<br>71        | 101<br>71     | 74<br>75  | 113<br>25 | 104<br>49   | 97<br>55  |              |             | 84<br>14      | 102<br>0.19<br>72  | 107<br>-0.31<br>68 | 90<br>-4<br>25 | 101<br>12.9<br>71 | 74<br>-8.8<br>75  | 81<br>-2<br>57        | 98<br>17.4<br>51  | 85<br>18<br>24 | 81<br>-19<br>8 | 83<br>1.6<br>26   | 109<br>-14.5<br>58 | 86<br>-1.2<br>31  | 117<br>25.6<br>57 | 92<br>-3<br>26 | 91<br>5<br>26   | 83<br>-0.84<br>14 | 97<br>-0.07<br>13 | 82<br>-0.74<br>13 |
| OBS 180132<br>90987967<br>180132    |              |                          | 101<br>56        | 94<br>47      | 93<br>64  |           | 95<br>25    |           |              |             |               | 107<br>-0.24<br>55 | 80<br>0.74<br>61   |                | 94<br>8.6<br>47   | 93<br>-3.3<br>64  |                       | 92<br>13.2<br>20  |                |                |                   | 93<br>-2.1<br>31   |                   | 102<br>15.9<br>40 |                |                 |                   |                   |                   |
| OBS 180229<br>87722898<br>OBS18229  |              | PD 110244<br>OBS 130135  | 104<br>72        | 96<br>70      | 89<br>73  | 113<br>11 | 92<br>50    | 92<br>52  |              |             |               | 105<br>-0.12<br>73 | 93<br>0.22<br>69   | 90<br>-4<br>11 | 96<br>9.9<br>70   | 89<br>-4.4<br>73  | 89<br>16<br>51        | 89<br>10.6<br>53  | 91<br>38<br>11 |                | 96<br>8.8<br>12   | 95<br>-3.7<br>57   | 92<br>-2.5<br>34  | 96<br>12.2<br>60  | 96<br>-1<br>12 | 88<br>2<br>11   |                   |                   |                   |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high |              |            |        | Value <80        |               | Value >120 |          | Breeding values with an accuracy < 5% are not printed |           |              |             |               |              |           |           |         |          |                       |             |      |           |               |                  |               |           |        |         |     |      |          |      |
|---------------------------|--------------|------------|--------|------------------|---------------|------------|----------|-------------------------------------------------------|-----------|--------------|-------------|---------------|--------------|-----------|-----------|---------|----------|-----------------------|-------------|------|-----------|---------------|------------------|---------------|-----------|--------|---------|-----|------|----------|------|
| Animal                    |              |            |        | Selection Values |               |            |          |                                                       |           |              |             | Birth         |              | Wean      |           |         |          | Growth                |             |      | Fertility |               |                  |               | Frame     |        | Carcass |     |      |          |      |
| Index<br>EBV<br>Acc       | % Inbreeding | Sire ID    | Dam ID | Calv. Ease V     | Calf Growth V | Milk V     | Maint. V | Fertility V                                           | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG  | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height | Length  | EMA | Fat  | Marbling |      |
| ID<br>Number<br>Name      |              |            |        |                  |               |            |          |                                                       |           |              |             |               |              |           |           |         |          |                       |             |      |           |               |                  |               |           |        |         |     |      |          |      |
| OBS 180231                |              | PD 110244  |        | 114              | 86            | 81         | 119      | 108                                                   | 100       |              |             |               | 114          | 95        | 83        | 86      | 81       | 73                    |             | 80   | 85        |               | 79               | 106           | 111       | 104    | 76      | 72  |      |          |      |
| 88439690                  |              | OBS 110203 |        | 73               | 73            | 77         | 11       | 53                                                    | 54        |              |             |               | -0.82        | 0.15      | -12       | 3.9     | -6.6     | -22                   |             | 3.5  | 17        |               | -0.8             | -12.3         | -6.2      | 17.3   | -12     | -13 |      |          |      |
| OBS18231                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 71        | 11        | 73      | 77       | 54                    |             | 55   | 11        |               | 12               | 59            | 38        | 62     | 12      | 11  |      |          |      |
| OBS 180236                |              | PD 110244  |        | 100              | 109           | 78         | 117      | 110                                                   | 110       |              |             | 93            | 98           | 106       | 87        | 109     | 78       | 95                    |             | 102  | 98        | 95            | 95               | 111           | 107       | 107    | 100     | 93  | 95   | 100      | 106  |
| 88439716                  |              | OBS 140255 |        | 73               | 73            | 75         | 19       | 56                                                    | 56        |              |             | 10            | 0.51         | -0.30     | -8        | 17.4    | -7.6     | 31                    |             | 20.4 | 66        | -34           | 8.1              | -16.4         | -5.5      | 19.0   | 2       | 7   | 0.39 | 0.10     | 0.62 |
| OBS18236                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 69        | 19        | 73      | 75       | 56                    |             | 60   | 19        | 6             | 20               | 63            | 40        | 64     | 20      | 20  | 10   | 9        | 9    |
| OBS 180249                |              | PD 110244  |        | 102              | 102           | 91         | 111      | 93                                                    | 97        |              |             | 93            | 103          | 94        | 91        | 102     | 91       | 97                    |             | 95   | 98        | 92            | 103              | 89            | 95        | 101    | 95      | 96  | 96   | 96       | 101  |
| 88439732                  |              | OBS 140041 |        | 72               | 73            | 75         | 24       | 55                                                    | 56        |              |             | 12            | 0.05         | 0.17      | -3        | 13.4    | -4.0     | 35                    |             | 15.6 | 65        | -30           | 13.0             | 1.2           | -3.1      | 15.5   | -1      | 10  | 0.46 | -0.13    | 0.35 |
| OBS18249                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 73           | 69        | 24        | 73      | 75       | 57                    |             | 58   | 23        | 5             | 24               | 61            | 41        | 64     | 24      | 24  | 13   | 12       | 12   |
| OBS 180252                |              | PD 110244  |        | 103              | 98            | 91         | 115      | 91                                                    | 95        |              |             |               | 103          | 97        | 87        | 98      | 91       | 94                    |             | 90   | 87        |               | 94               | 81            | 98        | 100    | 91      | 84  |      |          |      |
| 88439765                  |              | OBS 130171 |        | 72               | 70            | 73         | 11       | 51                                                    | 52        |              |             |               | 0.05         | 0.08      | -8        | 10.7    | -3.9     | 27                    |             | 11.1 | 26        |               | 7.7              | 7.5           | -3.6      | 14.7   | -4      | -2  |      |          |      |
| OBS18252                  |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 73           | 69        | 11        | 70      | 73       | 51                    |             | 54   | 11        |               | 12               | 59            | 35        | 60     | 12      | 11  |      |          |      |
| OBS 190019                |              | PD 110244  |        | 108              | 104           | 74         | 104      | 98                                                    | 91        |              |             | 93            | 107          | 101       | 96        | 104     | 74       | 82                    |             | 98   | 98        |               | 101              | 85            | 102       | 108    | 94      | 93  | 97   | 91       | 99   |
| 88466636                  |              | OBS 140089 |        | 73               | 73            | 75         | 20       | 55                                                    | 56        |              |             | 7             | -0.25        | -0.09     | 3         | 14.6    | -8.8     | 0                     |             | 17.4 | 63        |               | 11.6             | 4.2           | -4.5      | 19.6   | -2      | 6   | 0.55 | -0.41    | 0.22 |
| OBS1919                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 71        | 20        | 73      | 75       | 56                    |             | 58   | 15        |               | 16               | 64            | 37        | 63     | 16      | 16  | 7    | 7        | 7    |
| OBS 190025                |              | PD 110244  |        | 111              | 96            | 113        | 112      | 126                                                   | 133       |              |             |               | 108          | 105       | 89        | 96      | 113      | 109                   |             | 87   | 95        |               | 99               | 109           | 142       | 108    | 98      | 94  |      |          |      |
| 88466644                  |              | BOS 100745 |        | 73               | 74            | 77         | 11       | 55                                                    | 55        |              |             |               | -0.33        | -0.25     | -5        | 9.5     | 2.2      | 64                    |             | 8.8  | 54        |               | 10.5             | -14.3         | -12.5     | 19.9   | 0       | 7   |      |          |      |
| OBS1925                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 74           | 71        | 11        | 74      | 77       | 54                    |             | 56   | 11        |               | 12               | 62            | 40        | 62     | 12      | 11  |      |          |      |
| OBS 190026                |              | PD 110244  |        | 94               | 102           | 113        | 99       | 93                                                    | 98        |              |             |               | 98           | 89        | 99        | 102     | 113      | 111                   |             | 93   | 102       |               | 105              | 89            | 99        | 96     | 108     | 102 |      |          |      |
| 88466651                  |              | OBS 130155 |        | 70               | 67            | 67         | 11       | 53                                                    | 51        |              |             |               | 0.47         | 0.40      | 5         | 13.0    | 2.1      | 68                    |             | 13.4 | 80        |               | 14.2             | 1.1           | -3.9      | 12.2   | 6       | 15  |      |          |      |
| OBS1926                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 71           | 66        | 11        | 67      | 67       | 48                    |             | 52   | 11        |               | 12               | 62            | 36        | 61     | 12      | 11  |      |          |      |
| OBS 190030                |              | PD 110244  |        | 91               | 113           | 141        | 84       | 95                                                    | 116       |              |             |               | 93           | 96        | 113       | 113     | 141      | 138                   |             | 107  | 119       |               | 119              | 86            | 105       | 98     | 126     | 120 |      |          |      |
| 88466669                  |              | OBS 100414 |        | 71               | 70            | 74         | 11       | 53                                                    | 53        |              |             |               | 0.92         | 0.09      | 22        | 19.7    | 10.0     | 131                   |             | 24.8 | 143       |               | 22.2             | 3.2           | -5.1      | 13.3   | 16      | 32  |      |          |      |
| OBS1930                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 72           | 69        | 11        | 70      | 74       | 52                    |             | 53   | 11        |               | 12               | 61            | 36        | 62     | 12      | 11  |      |          |      |
| OBS 190032                |              | PD 110244  |        | 105              | 106           | 89         | 111      | 94                                                    | 101       |              |             |               | 106          | 93        | 91        | 106     | 89       | 100                   |             | 98   | 101       |               | 99               | 97            | 92        | 100    | 92      | 91  |      |          |      |
| 88466677                  |              | OBS 130185 |        | 72               | 70            | 71         | 12       | 54                                                    | 53        |              |             |               | -0.17        | 0.22      | -3        | 15.6    | -4.5     | 41                    |             | 17.2 | 77        |               | 10.5             | -5.0          | -2.4      | 14.8   | -3      | 5   |      |          |      |
| OBS1932                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 73           | 69        | 12        | 70      | 71       | 51                    |             | 54   | 12        |               | 13               | 61            | 39        | 61     | 13      | 12  |      |          |      |
| OBS 190038                |              | PD 110244  |        | 109              | 102           | 79         | 114      | 99                                                    | 100       |              |             |               | 110          | 93        | 89        | 102     | 79       | 87                    |             | 95   | 96        |               | 102              | 101           | 93        | 106    | 97      | 89  |      |          |      |
| 88466719                  |              | OBS 130109 |        | 71               | 70            | 75         | 11       | 53                                                    | 53        |              |             |               | -0.50        | 0.24      | -5        | 13.5    | -7.3     | 12                    |             | 15.0 | 57        |               | 12.0             | -8.3          | -2.6      | 18.5   | 0       | 3   |      |          |      |
| OBS1938                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 72           | 69        | 11        | 70      | 75       | 52                    |             | 52   | 11        |               | 12               | 61            | 37        | 60     | 12      | 11  |      |          |      |
| OBS 190042                |              | PD 110244  |        | 101              | 99            | 113        | 102      | 81                                                    | 92        |              |             |               | 100          | 102       | 95        | 99      | 113      | 110                   |             | 91   | 100       |               | 108              | 54            | 92        | 105    | 101     | 98  |      |          |      |
| 88449814                  |              | OBS 130200 |        | 72               | 70            | 72         | 11       | 55                                                    | 53        |              |             |               | 0.35         | -0.12     | 2         | 11.4    | 2.1      | 65                    |             | 12.0 | 72        |               | 15.7             | 28.2          | -2.5      | 17.9   | 2       | 11  |      |          |      |
| OBS1942                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 73           | 69        | 11        | 70      | 72       | 51                    |             | 54   | 11        |               | 12               | 65            | 39        | 61     | 12      | 11  |      |          |      |
| OBS 190051                |              | PD 110244  |        | 103              | 95            | 98         | 113      | 81                                                    | 88        |              |             |               | 104          | 97        | 89        | 95      | 98       | 96                    |             | 87   | 89        |               | 94               | 81            | 73        | 103    | 94      | 86  |      |          |      |
| 88449848                  |              | OBS 130180 |        | 71               | 67            | 70         | 11       | 52                                                    | 51        |              |             |               | 0.04         | 0.08      | -6        | 9.3     | -2.1     | 32                    |             | 9.3  | 32        |               | 8.0              | 7.2           | 1.4       | 16.6   | -2      | 0   |      |          |      |
| OBS1951                   |              |            |        |                  |               |            |          |                                                       |           |              |             |               | 72           | 66        | 11        | 67      | 70       | 49                    |             | 52   | 11        |               | 12               | 57            | 38        | 60     | 12      | 11  |      |          |      |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high            |              |                          |  | Value <80        |               | Value >120 |           | Breeding values with an accuracy < 5% are not printed |           |              |             |                    |                    |                    |                   |                   |                   |                       |                   |                  |                 |                   |                    |                    |                   |                 |                 |                   |                   |                  |
|--------------------------------------|--------------|--------------------------|--|------------------|---------------|------------|-----------|-------------------------------------------------------|-----------|--------------|-------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-----------------------|-------------------|------------------|-----------------|-------------------|--------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-------------------|------------------|
| Animal                               |              |                          |  | Selection Values |               |            |           |                                                       |           |              |             | Birth              |                    | Wean               |                   |                   |                   | Growth                |                   |                  | Fertility       |                   |                    |                    | Frame             |                 | Carcass         |                   |                   |                  |
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        |  | Calv. Ease V     | Calv Growth V | Milk V     | Maint. V  | Fertility V                                           | Cow Value | Growth Value | Prod. Value | Carcass Value      | Birth wt dir       | Birth mat          | Mature wt         | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR             | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height          | Length          | EMA               | Fat               | Marbling         |
| ID<br>Number<br>Name                 |              |                          |  |                  |               |            |           |                                                       |           |              |             |                    |                    |                    |                   |                   |                   |                       |                   |                  |                 |                   |                    |                    |                   |                 |                 |                   |                   |                  |
| OBS 190056<br>88449855<br>OBS1956    |              | PD 110244<br>OBS 130293  |  | 100<br>72        | 99<br>69      | 103<br>72  | 105<br>11 | 75<br>52                                              | 83<br>52  |              |             |                    | 101<br>0.21<br>73  | 94<br>0.20<br>68   | 94<br>1           | 99<br>11.3<br>69  | 103<br>-0.6<br>72 | 102<br>46<br>51       | 89<br>10.8<br>54  | 97<br>60<br>11   |                 | 99<br>10.7<br>12  | 79<br>9.2<br>58    | 59<br>4.2<br>37    | 106<br>18.3<br>60 | 101<br>2<br>12  | 94<br>8<br>11   |                   |                   |                  |
| OBS 190093<br>88807797<br>OBS1993    |              | PD 110244<br>OBS 150026  |  | 86<br>73         | 121<br>71     | 117<br>73  | 89<br>23  | 115<br>56                                             | 124<br>55 |              |             | 116<br>10          | 89<br>1.25<br>74   | 95<br>0.16<br>71   | 109<br>17<br>23   | 121<br>24.4<br>71 | 117<br>3.4<br>73  | 130<br>113<br>56      | 111<br>27.2<br>58 | 118<br>137<br>22 | 120<br>-61<br>7 | 117<br>20.9<br>23 | 105<br>-11.7<br>63 | 118<br>-7.6<br>42  | 112<br>22.1<br>63 | 124<br>15<br>23 | 120<br>32<br>23 | 115<br>2.30<br>10 | 95<br>-0.19<br>10 | 101<br>0.38<br>9 |
| OBS 190157<br>89394720<br>OBS19157   |              | ROCK150262<br>OBS 130062 |  | 84<br>70         | 120<br>70     | 102<br>71  | 84<br>11  | 124<br>48                                             | 117<br>51 |              |             | 110<br>8           | 83<br>1.76<br>72   | 108<br>-0.38<br>65 | 116<br>26<br>11   | 120<br>23.4<br>70 | 102<br>-0.8<br>71 | 113<br>73<br>51       | 121<br>35.4<br>52 | 114<br>121<br>11 | 115<br>-56<br>5 | 120<br>22.6<br>12 | 110<br>-15.1<br>58 | 131<br>-10.3<br>31 | 115<br>24.2<br>56 | 116<br>11<br>11 | 115<br>27<br>11 | 110<br>1.85<br>8  | 94<br>-0.22<br>7  | 105<br>0.56<br>7 |
| OBS 190163<br>92142355<br>OBS19163   | 4            | ROCK150262<br>OBS 150156 |  | 93<br>71         | 108<br>66     | 93<br>73   | 97<br>23  | 123<br>46                                             | 113<br>52 |              |             | 103<br>12          | 95<br>0.76<br>73   | 95<br>0.15<br>66   | 102<br>9<br>23    | 108<br>16.9<br>66 | 93<br>-3.5<br>73  | 100<br>43<br>54       | 104<br>22.5<br>52 | 103<br>83<br>22  | 100<br>-39<br>8 | 106<br>14.5<br>23 | 109<br>-14.2<br>48 | 126<br>-9.3<br>31  | 119<br>26.6<br>59 | 102<br>2<br>23  | 105<br>18<br>23 | 102<br>1.08<br>13 | 98<br>0.00<br>12  | 96<br>0.06<br>11 |
| OBS 190170<br>89394753<br>OBS19170   |              | ROCK150262<br>BOS 100598 |  | 85<br>72         | 117<br>73     | 95<br>74   | 98<br>11  | 125<br>50                                             | 119<br>53 |              |             | 104<br>8           | 85<br>1.58<br>73   | 105<br>-0.26<br>67 | 100<br>8<br>11    | 117<br>21.7<br>73 | 95<br>-2.9<br>74  | 112<br>69<br>53       | 116<br>31.7<br>52 | 107<br>97<br>11  | 104<br>-44<br>5 | 112<br>17.8<br>12 | 107<br>-13.0<br>60 | 136<br>-11.4<br>33 | 113<br>22.8<br>57 | 107<br>6<br>11  | 109<br>22<br>11 | 103<br>1.17<br>8  | 101<br>0.18<br>7  | 105<br>0.58<br>7 |
| OBS 190244<br>89670723<br>OBS19244   |              | PD 110244<br>OBS 130201  |  | 101<br>72        | 109<br>71     | 88<br>73   | 105<br>12 | 103<br>54                                             | 104<br>53 |              |             |                    | 99<br>0.45<br>73   | 106<br>-0.29<br>68 | 95<br>1<br>12     | 109<br>17.2<br>71 | 88<br>-4.9<br>73  | 100<br>42<br>52       | 100<br>19.1<br>55 | 101<br>74<br>15  |                 | 102<br>12.0<br>16 | 98<br>-6.1<br>64   | 100<br>-4.0<br>36  | 109<br>20.1<br>61 | 100<br>1<br>15  | 93<br>7<br>15   |                   |                   |                  |
| OBS 190250<br>89670749<br>OBS19250   |              | PD 110244<br>PD 080151   |  | 107<br>72        | 99<br>70      | 96<br>67   | 111<br>14 | 92<br>53                                              | 99<br>52  |              |             |                    | 107<br>-0.27<br>73 | 97<br>0.05<br>69   | 91<br>-3<br>14    | 99<br>11.6<br>70  | 96<br>-2.6<br>67  | 98<br>37<br>50        | 90<br>11.2<br>54  | 95<br>54<br>11   |                 | 99<br>10.3<br>12  | 82<br>6.9<br>62    | 90<br>-2.1<br>35   | 110<br>20.7<br>62 | 96<br>-1<br>12  | 91<br>5<br>11   |                   |                   |                  |
| OBS 190251<br>89670756<br>OBS19251   |              | PD 110244<br>OBS 130002  |  | 110<br>71        | 84<br>70      | 102<br>71  | 120<br>11 | 83<br>53                                              | 89<br>52  |              |             |                    | 109<br>-0.43<br>72 | 98<br>0.02<br>66   | 82<br>-13<br>11   | 84<br>2.6<br>70   | 102<br>-0.8<br>71 | 90<br>18<br>51        | 78<br>1.9<br>54   | 81<br>5<br>11    |                 | 88<br>4.5<br>12   | 91<br>-0.1<br>62   | 74<br>1.2<br>36    | 98<br>13.3<br>61  | 85<br>-8<br>12  | 77<br>-9<br>11  |                   |                   |                  |
| OBS 190258<br>89670772<br>OBS19258   |              | PD 110244<br>OBS 130063  |  | 106<br>72        | 92<br>72      | 85<br>73   | 119<br>14 | 90<br>53                                              | 89<br>54  |              |             |                    | 106<br>-0.13<br>73 | 98<br>0.02<br>69   | 84<br>-11<br>14   | 92<br>7.6<br>72   | 85<br>-5.7<br>73  | 83<br>1<br>53         | 83<br>5.9<br>54   | 80<br>0<br>11    |                 | 86<br>3.0<br>12   | 82<br>6.6<br>62    | 90<br>-2.0<br>36   | 104<br>17.3<br>61 | 83<br>-8<br>12  | 76<br>-9<br>11  |                   |                   |                  |
| OBS 190282<br>89670814<br>OBS19282   |              | PD 110244<br>PD 070242   |  | 101<br>73        | 106<br>71     | 98<br>71   | 100<br>16 | 105<br>52                                             | 106<br>53 |              | 99<br>5     | 104<br>0.02<br>74  | 91<br>0.32<br>69   | 98<br>0.32<br>69   | 98<br>5<br>16     | 106<br>15.3<br>71 | 98<br>-1.8<br>71  | 104<br>51<br>53       | 99<br>18.3<br>56  | 107<br>96<br>15  |                 | 104<br>13.4<br>15 | 102<br>-9.2<br>54  | 104<br>-4.8<br>38  | 107<br>18.9<br>64 | 107<br>6<br>15  | 100<br>14<br>14 | 102<br>1.00<br>5  | 87<br>-0.66<br>5  | 100<br>0.32<br>5 |
| OBS 200025<br>90778820<br>OBS 20 25  |              | ROCK150262<br>OBS 130185 |  | 106<br>68        | 100<br>68     | 75<br>66   | 118<br>13 | 115<br>45                                             | 108<br>49 |              | 84<br>8     | 106<br>-0.13<br>70 | 98<br>0.01<br>62   | 85<br>-10<br>13    | 100<br>12.3<br>68 | 75<br>-8.4<br>66  | 83<br>2<br>49     | 99<br>18.6<br>47      | 91<br>40<br>12    | 89<br>-27<br>5   |                 | 91<br>5.9<br>13   | 111<br>-16.3<br>54 | 116<br>-7.2<br>25  | 109<br>20.4<br>56 | 81<br>-9<br>12  | 84<br>-2<br>12  | 88<br>-0.37<br>8  | 92<br>-0.39<br>7  | 96<br>0.06<br>7  |
| OBS 200030<br>94160546<br>OBS 200030 |              | ROCK150262<br>OBS 130231 |  | 99<br>70         | 105<br>58     | 99<br>66   | 107<br>11 | 113<br>38                                             | 115<br>46 |              | 97<br>8     | 98<br>0.49<br>72   | 103<br>-0.19<br>64 | 93<br>0<br>11      | 105<br>14.9<br>58 | 99<br>-1.6<br>66  | 106<br>56<br>45   | 105<br>23.2<br>44     | 102<br>79<br>11   | 105<br>-45<br>5  |                 | 102<br>12.2<br>12 | 113<br>-17.3<br>38 | 120<br>-8.2<br>21  | 99<br>14.0<br>55  | 103<br>3<br>11  | 102<br>15<br>11 | 98<br>0.65<br>8   | 94<br>-0.26<br>7  | 95<br>0.04<br>7  |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |                   |                 | Fertility       |                   |                    |                    | Frame             |                 | Carcass         |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------------|-----------------|-----------------|-------------------|--------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG             | FCR             | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                 |                 |                   |                    |                    |                   |                 |                 |                   |                   |                   |
| OBS 200049<br>90771163<br>OBS 20 49 | 1            | ROCK150262<br>OBS 140089 | 100<br>69        | 106<br>70     | 109<br>70 | 91<br>20  | 110<br>46   | 111<br>52 |              |             | 100<br>10     | 99<br>0.40<br>71   | 102<br>-0.12<br>63 | 107<br>15<br>20 | 106<br>15.4<br>70 | 109<br>1.1<br>70  | 109<br>62<br>53       | 106<br>24.0<br>52 | 104<br>87<br>15 | 101<br>-40<br>6 | 108<br>15.5<br>16 | 100<br>-7.6<br>55  | 119<br>-7.8<br>26  | 105<br>18.1<br>57 | 96<br>-1<br>16  | 102<br>15<br>15 | 103<br>1.18<br>10 | 96<br>-0.13<br>9  | 96<br>0.09<br>9   |
| OBS 200061<br>92142595<br>OBS 20 61 | 1            | OBS 140279<br>OBS 160077 | 101<br>71        | 109<br>66     | 69<br>70  | 120<br>29 | 110<br>48   | 107<br>53 |              |             | 94<br>10      | 105<br>-0.06<br>73 | 87<br>0.45<br>66   | 84<br>-11<br>29 | 109<br>17.2<br>66 | 69<br>-10.1<br>70 | 88<br>14<br>55        | 100<br>19.3<br>56 | 98<br>64<br>30  | 90<br>-28<br>7  | 95<br>8.4<br>31   | 112<br>-16.8<br>54 | 105<br>-5.0<br>33  | 109<br>20.2<br>58 | 88<br>-6<br>30  | 91<br>5<br>29   | 97<br>0.54<br>11  | 93<br>-0.27<br>10 | 109<br>0.80<br>10 |
| OBS 200071<br>90771213<br>OBS 20 71 |              | OBS 160561<br>OBS 130242 | 104<br>67        | 105<br>67     | 110<br>70 | 92<br>11  | 132<br>42   | 128<br>49 |              |             | 99<br>6       | 103<br>0.06<br>69  | 99<br>-0.01<br>62  | 106<br>14<br>11 | 105<br>15.0<br>67 | 110<br>1.3<br>70  | 109<br>62<br>49       | 103<br>21.5<br>46 | 98<br>63<br>10  |                 | 103<br>12.9<br>11 | 125<br>-26.8<br>48 | 143<br>-12.7<br>27 | 107<br>19.1<br>50 | 100<br>1<br>11  | 104<br>17<br>11 | 97<br>0.52<br>7   | 103<br>0.30<br>6  | 98<br>0.17<br>6   |
| OBS 200085<br>90771437<br>OBS 20 85 | 5            | ROCK160083<br>OBS 170147 | 104<br>65        | 104<br>64     | 86<br>60  | 116<br>22 | 109<br>46   | 111<br>48 |              |             | 84<br>12      | 101<br>0.27<br>67  | 108<br>-0.39<br>57 | 87<br>-8<br>22  | 104<br>14.5<br>64 | 86<br>-5.4<br>60  | 96<br>33<br>49        | 104<br>22.0<br>48 | 91<br>41<br>22  | 89<br>-27<br>8  | 92<br>6.3<br>23   | 117<br>-20.7<br>55 | 103<br>-4.6<br>30  | 104<br>17.4<br>53 | 84<br>-8<br>23  | 85<br>-1<br>22  | 85<br>-0.66<br>12 | 93<br>-0.29<br>11 | 91<br>-0.20<br>10 |
| OBS 200086<br>90771379<br>OBS 20 86 | 3            | ROCK160083<br>OBS 170163 | 111<br>65        | 96<br>67      | 91<br>67  | 115<br>19 | 113<br>47   | 114<br>50 |              |             | 76<br>10      | 108<br>-0.29<br>67 | 107<br>-0.33<br>58 | 87<br>-7<br>19  | 96<br>9.9<br>67   | 91<br>-3.9<br>67  | 92<br>23<br>51        | 97<br>17.0<br>48  | 83<br>11<br>19  | 78<br>-15<br>7  | 84<br>2.2<br>21   | 122<br>-24.9<br>55 | 111<br>-6.3<br>34  | 101<br>15.5<br>53 | 75<br>-13<br>20 | 79<br>-7<br>20  | 80<br>-1.11<br>10 | 83<br>-0.87<br>10 | 92<br>-0.18<br>9  |
| OBS 200092<br>90771395<br>OBS 20 92 |              | OBS 180168<br>OBS 180026 | 124<br>70        | 92<br>70      | 65<br>66  | 123<br>23 | 115<br>46   | 108<br>52 | 77<br>24     | 98<br>46    | 71<br>5       | 118<br>-1.13<br>72 | 112<br>-0.54<br>65 | 80<br>-16<br>23 | 92<br>7.7<br>70   | 65<br>-11.3<br>66 | 66<br>-37<br>53       | 88<br>10.0<br>58  | 75<br>-20<br>42 |                 | 79<br>-0.7<br>44  | 121<br>-23.7<br>60 | 110<br>-6.0<br>26  | 107<br>19.2<br>53 | 75<br>-13<br>40 | 69<br>-16<br>39 | 71<br>-2.04<br>5  | 88<br>-0.56<br>5  | 85<br>-0.55<br>5  |
| OBS 200101<br>91673475<br>OBS20101  | 1            | OBS 180168<br>OBS 180016 | 110<br>69        | 101<br>68     | 66<br>63  | 123<br>27 | 97<br>46    | 96<br>51  | 80<br>26     | 87<br>46    | 78<br>8       | 108<br>-0.36<br>71 | 100<br>-0.07<br>62 | 80<br>-16<br>27 | 101<br>12.7<br>68 | 66<br>-11.0<br>63 | 78<br>-10<br>53       | 98<br>17.8<br>58  | 82<br>8<br>43   | 86<br>-24<br>5  | 80<br>-0.5<br>46  | 91<br>-0.7<br>61   | 95<br>-3.0<br>24   | 108<br>19.6<br>54 | 78<br>-11<br>42 | 76<br>-10<br>41 | 76<br>-1.49<br>8  | 93<br>-0.31<br>7  | 96<br>0.07<br>7   |
| OBS 200127<br>91673509<br>OBS20127  |              | OBS 140279<br>OBS 170046 | 113<br>68        | 98<br>69      | 71<br>66  | 123<br>26 | 90<br>51    | 92<br>52  |              |             | 83<br>10      | 114<br>-0.80<br>70 | 92<br>0.27<br>61   | 80<br>-16<br>26 | 98<br>11.0<br>69  | 71<br>-9.4<br>66  | 80<br>-6<br>54        | 90<br>10.9<br>57  | 87<br>26<br>27  | 81<br>-19<br>7  | 89<br>4.6<br>28   | 84<br>5.4<br>62    | 87<br>-1.4<br>34   | 106<br>18.8<br>57 | 80<br>-10<br>27 | 81<br>-5<br>26  | 86<br>-0.54<br>10 | 88<br>-0.57<br>9  | 96<br>0.07<br>9   |
| OBS 200147<br>91673525<br>OBS20147  | 1            | OBS 180168<br>OBS 180097 | 110<br>70        | 100<br>71     | 69<br>69  | 123<br>27 | 94<br>49    | 95<br>54  | 82<br>26     | 87<br>48    | 80<br>8       | 106<br>-0.14<br>72 | 110<br>-0.43<br>65 | 80<br>-16<br>27 | 100<br>12.4<br>71 | 69<br>-10.1<br>69 | 80<br>-5<br>56        | 96<br>15.7<br>58  | 83<br>12<br>43  | 86<br>-23<br>5  | 78<br>-1.2<br>46  | 99<br>-6.8<br>61   | 77<br>0.6<br>31    | 113<br>22.8<br>54 | 78<br>-11<br>42 | 76<br>-10<br>41 | 78<br>-1.33<br>8  | 93<br>-0.27<br>7  | 97<br>0.11<br>7   |
| OBS 200148<br>92144815<br>OBS20148  |              | OBS 140279<br>OBS 160054 | 108<br>72        | 107<br>70     | 80<br>68  | 113<br>26 | 127<br>51   | 124<br>54 |              |             | 97<br>10      | 108<br>-0.33<br>73 | 95<br>0.13<br>67   | 90<br>-5<br>26  | 107<br>16.4<br>70 | 80<br>-7.1<br>68  | 94<br>27<br>55        | 98<br>17.4<br>56  | 99<br>69<br>27  | 94<br>-32<br>7  | 101<br>11.9<br>28 | 123<br>-25.7<br>62 | 126<br>-9.4<br>34  | 114<br>23.3<br>58 | 95<br>-1<br>27  | 96<br>9<br>26   | 98<br>0.63<br>10  | 92<br>-0.37<br>9  | 102<br>0.41<br>9  |
| OBS 200154<br>91673541<br>OBS20154  | 3            | ROCK160083<br>OBS 170247 | 110<br>60        | 96<br>65      | 69<br>61  | 120<br>19 | 98<br>45    | 92<br>47  |              |             | 78<br>10      | 109<br>-0.40<br>63 | 100<br>-0.07<br>49 | 84<br>-11<br>19 | 96<br>9.7<br>65   | 69<br>-10.0<br>61 | 73<br>-21<br>48       | 96<br>16.3<br>46  | 85<br>18<br>19  | 80<br>-17<br>7  | 88<br>4.1<br>21   | 111<br>-16.1<br>55 | 89<br>-1.9<br>28   | 98<br>13.4<br>53  | 81<br>-10<br>20 | 81<br>-5<br>20  | 80<br>-1.11<br>10 | 90<br>-0.48<br>10 | 92<br>-0.15<br>9  |
| BC 210011<br>92199926<br>BC210011   |              | BC 170049                | 111<br>62        | 93<br>60      | 114<br>57 | 97<br>13  | 110<br>38   | 111<br>43 |              |             | 94<br>8       | 109<br>-0.39<br>64 | 103<br>-0.19<br>54 | 100<br>7<br>13  | 93<br>8.0<br>60   | 114<br>2.4<br>57  | 102<br>47<br>43       | 93<br>13.4<br>44  | 97<br>61<br>9   | 104<br>-44<br>8 | 99<br>10.5<br>10  | 116<br>-20.1<br>52 | 120<br>-8.1<br>18  | 90<br>8.5<br>43   | 106<br>5<br>10  | 101<br>14<br>10 | 88<br>-0.32<br>8  | 95<br>-0.19<br>7  | 104<br>0.54<br>6  |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                             |              |                   |                      | Selection Values         |               |           |           |             |           |              |             | Birth         |              | Wean               |                    |                 |                   | Growth                   |                 |                   | Fertility        |                  |                  |                    | Frame             |                   | Carcass         |                 |                   |                   |                   |
|------------------------------------|--------------|-------------------|----------------------|--------------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------|--------------------|--------------------|-----------------|-------------------|--------------------------|-----------------|-------------------|------------------|------------------|------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                | % Inbreeding | Sire ID<br>Dam ID | ID<br>Number<br>Name | Calv. Ease V             | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat          | Mature wt          | Wean wt         | Wean mat          | Cow-Calf<br>Ratio (Wean) | Postwean wt     | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility | Cow Fertility      | Longevity         | Height            | Length          | EMA             | Fat               | Marbling          |                   |
|                                    |              |                   |                      |                          |               |           |           |             |           |              |             |               |              |                    |                    |                 |                   |                          |                 |                   |                  |                  |                  |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 210007<br>93631307<br>OBS217   |              |                   |                      | BC 160639<br>BOS 100745  | 105<br>69     | 86<br>63  | 136<br>68 | 108<br>29   | 106<br>45 | 118<br>51    | 91<br>37    | 111<br>48     | 93<br>32     | 110<br>-0.50<br>70 | 83<br>0.61<br>64   | 92<br>-2<br>29  | 86<br>3.7<br>63   | 136<br>8.8<br>68         | 117<br>83<br>53 | 88<br>10.1<br>52  | 103<br>83<br>34  | 116<br>-57<br>36 | 91<br>6.1<br>39  | 105<br>-11.2<br>48 | 108<br>-5.7<br>30 | 102<br>16.0<br>57 | 109<br>6<br>39  | 96<br>9<br>37   | 86<br>-0.50<br>33 | 118<br>1.14<br>30 | 98<br>0.19<br>29  |
| OBS 210012<br>92142454<br>OBS2112  |              |                   |                      | BC 160639<br>OBS 120292  | 111<br>68     | 87<br>68  | 109<br>68 | 114<br>29   | 86<br>48  | 96<br>53     | 83<br>37    | 88<br>50      | 81<br>32     | 115<br>-0.89<br>69 | 85<br>0.54<br>63   | 88<br>-7<br>29  | 87<br>4.5<br>68   | 109<br>1.2<br>68         | 97<br>36<br>55  | 91<br>11.8<br>54  | 92<br>43<br>34   | 105<br>-44<br>36 | 83<br>1.7<br>39  | 88<br>1.8<br>59    | 73<br>1.3<br>31   | 107<br>19.0<br>54 | 99<br>1<br>39   | 83<br>-3<br>37  | 78<br>-1.31<br>33 | 112<br>0.83<br>30 | 83<br>-0.67<br>29 |
| OBS 210013<br>92142439<br>OBS2113  |              |                   |                      | BC 160639<br>OBS 140041  | 105<br>69     | 88<br>71  | 109<br>69 | 120<br>36   | 91<br>52  | 101<br>55    | 86<br>40    | 93<br>52      | 82<br>34     | 111<br>-0.54<br>71 | 80<br>0.74<br>64   | 81<br>-15<br>36 | 88<br>5.1<br>71   | 109<br>1.2<br>69         | 102<br>47<br>59 | 92<br>12.7<br>57  | 93<br>48<br>39   | 98<br>-36<br>36  | 84<br>2.1<br>44  | 108<br>-13.6<br>62 | 71<br>1.7<br>37   | 103<br>16.7<br>58 | 91<br>-4<br>44  | 84<br>-2<br>43  | 80<br>-1.11<br>36 | 123<br>1.42<br>32 | 100<br>0.28<br>32 |
| OBS 210021<br>92142520<br>OBS2121  |              |                   |                      | BC 160639<br>OBS 110203  | 111<br>71     | 78<br>70  | 115<br>69 | 118<br>29   | 114<br>49 | 115<br>54    | 81<br>37    | 106<br>51     | 76<br>32     | 117<br>-1.10<br>72 | 78<br>0.83<br>66   | 83<br>-12<br>29 | 78<br>-0.7<br>70  | 115<br>2.9<br>69         | 95<br>29<br>56  | 82<br>5.0<br>56   | 89<br>33<br>34   | 102<br>-42<br>36 | 76<br>-2.6<br>39 | 130<br>-30.8<br>60 | 100<br>-4.0<br>31 | 108<br>19.8<br>56 | 92<br>-3<br>39  | 77<br>-9<br>37  | 74<br>-1.70<br>33 | 109<br>0.66<br>30 | 82<br>-0.72<br>29 |
| OBS 210041<br>91861104<br>OBS2141  |              |                   |                      | OBS 140279<br>OBS 160554 | 99<br>68      | 109<br>70 | 84<br>66  | 113<br>29   | 99<br>51  | 103<br>53    |             |               | 97<br>12     | 101<br>0.23<br>70  | 92<br>0.24<br>61   | 90<br>-4<br>29  | 109<br>17.3<br>70 | 84<br>-5.8<br>66         | 99<br>40<br>55  | 105<br>23.1<br>58 | 100<br>72<br>28  | 93<br>-32<br>7   | 98<br>10.1<br>29 | 89<br>1.4<br>62    | 102<br>-4.5<br>34 | 107<br>19.2<br>56 | 88<br>-5<br>28  | 94<br>8<br>28   | 97<br>0.55<br>12  | 99<br>0.05<br>11  | 106<br>0.62<br>11 |
| OBS 210052<br>92124817<br>OBS2152  |              |                   |                      | BC 160639<br>OBS 130293  | 100<br>69     | 90<br>69  | 117<br>68 | 114<br>29   | 85<br>48  | 96<br>53     | 86<br>37    | 89<br>50      | 86<br>32     | 106<br>-0.18<br>71 | 79<br>0.76<br>63   | 87<br>-7<br>29  | 90<br>6.3<br>69   | 117<br>3.3<br>68         | 108<br>60<br>55 | 93<br>13.6<br>55  | 96<br>58<br>34   | 109<br>-48<br>36 | 84<br>1.8<br>39  | 105<br>-11.2<br>60 | 63<br>3.4<br>31   | 101<br>15.3<br>54 | 101<br>2<br>39  | 87<br>1<br>37   | 80<br>-1.13<br>33 | 117<br>1.08<br>30 | 97<br>0.13<br>29  |
| OBS 210059<br>92124841<br>OBS2159  |              |                   |                      | OBS 140279<br>OBS 110275 | 110<br>68     | 98<br>70  | 85<br>69  | 123<br>26   | 120<br>48 | 121<br>53    |             |               | 80<br>10     | 109<br>-0.44<br>70 | 99<br>-0.02<br>63  | 79<br>-17<br>26 | 98<br>10.9<br>70  | 85<br>-5.7<br>69         | 92<br>23<br>55  | 93<br>13.6<br>58  | 85<br>19<br>26   | 83<br>-20<br>7   | 86<br>2.9<br>27  | 126<br>-27.6<br>60 | 112<br>-6.4<br>30 | 113<br>22.8<br>54 | 80<br>-10<br>26 | 79<br>-7<br>26  | 83<br>-0.87<br>10 | 88<br>-0.61<br>9  | 86<br>-0.48<br>9  |
| OBS 210072<br>92124866<br>OBS2172  |              |                   |                      | BC 160639<br>OBS 170195  | 101<br>69     | 96<br>70  | 101<br>68 | 112<br>31   | 101<br>50 | 103<br>54    | 89<br>38    | 96<br>51      | 90<br>32     | 103<br>0.08<br>71  | 91<br>0.30<br>63   | 90<br>-5<br>31  | 96<br>9.8<br>70   | 101<br>-1.1<br>68        | 99<br>41<br>56  | 100<br>19.3<br>56 | 100<br>74<br>36  | 110<br>-50<br>36 | 90<br>5.3<br>41  | 108<br>-13.9<br>61 | 86<br>-1.2<br>33  | 110<br>20.9<br>57 | 101<br>2<br>41  | 89<br>3<br>39   | 88<br>-0.34<br>34 | 120<br>1.24<br>30 | 104<br>0.53<br>30 |
| OBS 210085<br>92125178<br>OBS2185  |              |                   |                      | BC 160639<br>BOS 100598  | 101<br>71     | 91<br>71  | 115<br>69 | 116<br>29   | 89<br>50  | 101<br>54    | 89<br>37    | 94<br>51      | 85<br>32     | 106<br>-0.18<br>72 | 82<br>0.66<br>67   | 85<br>-10<br>29 | 91<br>7.1<br>71   | 115<br>2.9<br>69         | 109<br>63<br>56 | 96<br>15.7<br>55  | 97<br>60<br>34   | 105<br>-44<br>36 | 85<br>2.6<br>39  | 88<br>2.0<br>61    | 82<br>-0.6<br>31  | 104<br>17.2<br>57 | 100<br>1<br>39  | 87<br>1<br>37   | 81<br>-1.04<br>33 | 120<br>1.28<br>30 | 102<br>0.41<br>29 |
| OBS 210100<br>92150564<br>OBS21100 |              |                   |                      | BC 160639<br>OBS 160077  | 100<br>71     | 104<br>72 | 110<br>71 | 106<br>32   | 105<br>52 | 115<br>56    | 102<br>38   | 110<br>52     | 102<br>32    | 106<br>-0.19<br>73 | 81<br>0.71<br>66   | 94<br>0<br>32   | 104<br>14.5<br>72 | 110<br>1.4<br>71         | 115<br>76<br>58 | 105<br>23.1<br>58 | 113<br>119<br>36 | 119<br>-60<br>36 | 98<br>9.7<br>41  | 114<br>-18.4<br>63 | 96<br>-3.2<br>35  | 105<br>17.7<br>59 | 112<br>9<br>42  | 100<br>13<br>40 | 100<br>0.85<br>34 | 120<br>1.27<br>30 | 111<br>0.90<br>30 |
| OBS 210105<br>92125483<br>OBS21105 |              |                   |                      | BC 160639<br>OBS 130201  | 105<br>72     | 105<br>70 | 103<br>69 | 102<br>30   | 112<br>50 | 116<br>54    | 100<br>38   | 111<br>51     | 102<br>32    | 108<br>-0.36<br>73 | 87<br>0.45<br>67   | 96<br>3<br>30   | 105<br>15.1<br>70 | 103<br>-0.7<br>69        | 108<br>61<br>56 | 109<br>26.2<br>56 | 112<br>115<br>35 | 124<br>-65<br>36 | 94<br>8.0<br>40  | 119<br>-22.6<br>64 | 104<br>-4.8<br>31 | 107<br>19.4<br>56 | 110<br>7<br>40  | 98<br>12<br>39  | 97<br>0.60<br>33  | 123<br>1.46<br>30 | 110<br>0.84<br>29 |
| OBS 210127<br>92125533<br>OBS21127 |              |                   |                      | RG 150012<br>OBS 170058  | 112<br>65     | 90<br>56  | 96<br>49  | 112<br>22   | 86<br>38  | 89<br>43     |             |               |              | 110<br>-0.46<br>67 | 103<br>-0.16<br>58 | 90<br>-4<br>22  | 90<br>6.2<br>56   | 96<br>-2.7<br>49         | 87<br>12<br>42  | 86<br>8.3<br>38   | 82<br>6<br>8     |                  | 90<br>5.6<br>9   | 102<br>-8.9<br>36  | 72<br>1.5<br>23   | 97<br>13.1<br>56  | 84<br>-8<br>9   | 79<br>-7<br>9   |                   |                   |                   |

# Breeding Values and Accuracies: Cows

Green: >120    High  
White: 80-120 Average  
Orange: <80    Low

| Inbreeding in red is high          |              |                          |        | Value <80        |               | Value >120 |           | Breeding values with an accuracy < 5% are not printed |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                 |                  |                    |                    |                   |                   |                |                  |                   |                   |                   |
|------------------------------------|--------------|--------------------------|--------|------------------|---------------|------------|-----------|-------------------------------------------------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------------|-----------------|------------------|--------------------|--------------------|-------------------|-------------------|----------------|------------------|-------------------|-------------------|-------------------|
| Animal                             |              |                          |        | Selection Values |               |            |           |                                                       |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |                   |                 | Fertility        |                    |                    |                   | Frame             |                | Carcass          |                   |                   |                   |
| Index<br>EBV<br>Acc                | % Inbreeding | Sire ID                  | Dam ID | Calv. Ease V     | Calf Growth V | Milk V     | Maint. V  | Fertility V                                           | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG             | FCR              | Scrotal Circ.      | Heifer Fertility   | Cow Fertility     | Longevity         | Height         | Length           | EMA               | Fat               | Marbling          |
| ID Number<br>Name                  |              |                          |        |                  |               |            |           |                                                       |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                 |                  |                    |                    |                   |                   |                |                  |                   |                   |                   |
| OBS 210130<br>92673862<br>OBS21130 |              | OBS 180168<br>OBS 190025 |        | 114<br>69        | 97<br>71      | 90<br>66   | 120<br>24 | 118<br>49                                             | 121<br>52 | 87<br>24     | 113<br>46   | 84<br>5       | 110<br>-0.51<br>71 | 105<br>-0.27<br>63 | 82<br>-13<br>24 | 97<br>10.2<br>71  | 90<br>-4.2<br>66  | 94<br>28<br>54        | 87<br>9.3<br>59   | 88<br>29<br>42  | 86<br>3.3<br>45  | 108<br>-14.1<br>62 | 120<br>-8.1<br>30  | 113<br>22.8<br>54 | 83<br>-8<br>41    | 80<br>-5<br>40 | 83<br>-0.78<br>5 | 92<br>-0.39<br>5  | 98<br>0.18<br>5   |                   |
| OBS 210138<br>92673912<br>OBS21138 |              | OBS 180168<br>OBS 190043 |        | 105<br>68        | 101<br>68     | 84<br>61   | 117<br>24 | 106<br>47                                             | 106<br>50 | 88<br>24     | 99<br>45    | 85<br>5       | 105<br>-0.10<br>70 | 97<br>0.05<br>61   | 86<br>-9<br>24  | 101<br>12.5<br>68 | 84<br>-5.9<br>61  | 91<br>21<br>51        | 94<br>14.6<br>57  | 89<br>33<br>42  | 88<br>4.3<br>45  | 104<br>-10.8<br>62 | 101<br>-4.2<br>26  | 110<br>20.9<br>54 | 87<br>-6<br>41    | 81<br>-4<br>40 | 85<br>-0.62<br>5 | 88<br>-0.61<br>5  | 91<br>-0.20<br>5  |                   |
| OBS 210141<br>92676436<br>OBS21141 |              | OBS 190027<br>OBS 190053 |        | 101<br>65        | 105<br>65     | 79<br>60   | 112<br>14 | 99<br>44                                              | 97<br>47  |              |             | 88<br>5       | 101<br>0.24<br>67  | 100<br>-0.05<br>56 | 91<br>-3<br>14  | 105<br>15.1<br>65 | 79<br>-7.4<br>60  | 89<br>17<br>46        | 100<br>19.1<br>47 | 93<br>49<br>14  | 95<br>8.0<br>15  | 96<br>-4.1<br>56   | 88<br>-1.6<br>25   | 115<br>23.9<br>50 | 93<br>-3<br>14    | 89<br>2<br>14  | 90<br>-0.18<br>5 | 86<br>-0.68<br>5  | 86<br>-0.47<br>5  |                   |
| OBS 210144<br>92673946<br>OBS21144 | 1            | OBS 140279<br>OBS 160531 |        | 99<br>69         | 111<br>71     | 71<br>67   | 115<br>29 | 110<br>51                                             | 107<br>54 |              |             | 100<br>12     | 103<br>0.08<br>71  | 88<br>0.44<br>63   | 89<br>-5<br>29  | 111<br>18.6<br>71 | 71<br>-9.5<br>67  | 91<br>20<br>56        | 104<br>22.2<br>58 | 100<br>73<br>28 | 90<br>-28<br>7   | 100<br>11.3<br>29  | 114<br>-18.5<br>62 | 100<br>-4.1<br>34 | 112<br>22.4<br>57 | 87<br>-6<br>28 | 96<br>10<br>28   | 100<br>0.89<br>12 | 100<br>0.13<br>11 | 115<br>1.13<br>11 |
| OBS 210146<br>92673953<br>OBS21146 |              | OBS 180168<br>OBS 190026 |        | 110<br>69        | 102<br>67     | 82<br>55   | 113<br>24 | 100<br>47                                             | 102<br>49 | 92<br>24     | 95<br>44    | 91<br>5       | 110<br>-0.53<br>71 | 95<br>0.13<br>62   | 90<br>-5<br>24  | 102<br>13.0<br>67 | 82<br>-6.5<br>55  | 89<br>16<br>49        | 93<br>13.3<br>58  | 95<br>54<br>42  | 92<br>6.7<br>45  | 95<br>-3.4<br>62   | 101<br>-4.3<br>26  | 104<br>17.3<br>54 | 92<br>-3<br>41    | 88<br>2<br>40  | 89<br>-0.21<br>5 | 93<br>-0.32<br>5  | 103<br>0.44<br>5  |                   |
| OBS 210158<br>92674076<br>OBS21158 |              | OBS 180168<br>OBS 190038 |        | 112<br>69        | 104<br>69     | 66<br>63   | 120<br>24 | 110<br>49                                             | 107<br>51 | 89<br>24     | 100<br>46   | 85<br>5       | 110<br>-0.45<br>71 | 102<br>-0.14<br>62 | 83<br>-12<br>24 | 104<br>14.1<br>69 | 66<br>-10.9<br>63 | 80<br>-6<br>52        | 96<br>15.7<br>57  | 89<br>34<br>42  | 88<br>4.5<br>45  | 116<br>-20.2<br>62 | 105<br>-5.0<br>30  | 106<br>18.3<br>54 | 84<br>-8<br>41    | 79<br>-6<br>40 | 87<br>-0.42<br>5 | 88<br>-0.62<br>5  | 96<br>0.09<br>5   |                   |
| OBS 210161<br>92674092<br>OBS21161 |              | OBS 180168<br>OBS 190019 |        | 111<br>70        | 102<br>68     | 67<br>57   | 119<br>26 | 104<br>48                                             | 100<br>50 | 89<br>24     | 93<br>45    | 84<br>6       | 108<br>-0.34<br>72 | 105<br>-0.26<br>65 | 85<br>-10<br>26 | 102<br>13.1<br>68 | 67<br>-10.8<br>57 | 77<br>-12<br>50       | 94<br>14.3<br>58  | 88<br>29<br>43  | 86<br>3.4<br>45  | 99<br>-6.5<br>62   | 105<br>-5.1<br>28  | 107<br>19.1<br>54 | 80<br>-10<br>41   | 79<br>-7<br>40 | 86<br>-0.54<br>6 | 92<br>-0.38<br>6  | 99<br>0.24<br>6   |                   |
| OBS 210179<br>92674167<br>OBS21179 |              | OBS 140279<br>OBS 160054 |        | 116<br>72        | 93<br>70      | 82<br>65   | 125<br>26 | 118<br>51                                             | 118<br>53 |              |             | 79<br>10      | 117<br>-1.10<br>73 | 91<br>0.31<br>67   | 76<br>-20<br>26 | 93<br>8.1<br>70   | 82<br>-6.4<br>65  | 85<br>7<br>54         | 84<br>7.0<br>58   | 82<br>7<br>27   | 71<br>-7<br>7    | 93<br>6.9<br>28    | 119<br>-22.2<br>63 | 117<br>-7.4<br>32 | 108<br>19.7<br>58 | 82<br>-9<br>27 | 80<br>-6<br>26   | 82<br>-0.95<br>10 | 90<br>-0.46<br>9  | 94<br>-0.02<br>9  |
| OBS 210203<br>93097467<br>OBS21203 | 1            | OBS 180168<br>OBS 190096 |        | 108<br>69        | 104<br>68     | 75<br>61   | 114<br>27 | 108<br>47                                             | 104<br>51 | 90<br>26     | 97<br>46    | 89<br>8       | 106<br>-0.14<br>71 | 103<br>-0.19<br>62 | 90<br>-4<br>27  | 104<br>14.2<br>68 | 75<br>-8.6<br>61  | 85<br>6<br>52         | 94<br>14.4<br>58  | 92<br>41<br>44  | 93<br>-31<br>5   | 88<br>4.1<br>46    | 106<br>-12.3<br>60 | 102<br>-4.4<br>27 | 111<br>21.8<br>54 | 88<br>-6<br>42 | 86<br>0<br>41    | 89<br>-0.18<br>9  | 91<br>-0.41<br>8  | 99<br>0.23<br>8   |
| OBS 210210<br>93119238<br>OBS21210 | 4            | BOS 066337<br>OBS 150156 |        | 92<br>68         | 101<br>70     | 101<br>67  | 113<br>47 | 80<br>59                                              | 89<br>58  | 95<br>28     | 84<br>52    | 96<br>27      | 94<br>0.85<br>70   | 96<br>0.10<br>63   | 89<br>-5<br>47  | 101<br>12.9<br>70 | 101<br>-1.2<br>67 | 106<br>55<br>61       | 97<br>17.0<br>56  | 95<br>53<br>45  | 81<br>-18<br>11  | 100<br>10.8<br>46  | 73<br>13.3<br>65   | 72<br>1.5<br>48   | 108<br>19.7<br>63 | 88<br>-5<br>46 | 103<br>16<br>46  | 94<br>0.30<br>28  | 112<br>0.79<br>26 | 108<br>0.73<br>25 |
| OBS 210219<br>93097483<br>OBS21219 | 6            | OBS 190027<br>OBS 190123 |        | 102<br>66        | 101<br>63     | 98<br>47   | 105<br>9  | 111<br>44                                             | 110<br>43 |              |             |               | 99<br>0.42<br>68   | 108<br>-0.36<br>58 | 95<br>1<br>9    | 101<br>12.8<br>63 | 98<br>-2.0<br>47  | 100<br>43<br>40       | 97<br>16.4<br>44  | 97<br>60<br>8   | 100<br>11.3<br>9 | 111<br>-16.1<br>56 | 108<br>-5.7<br>26  | 108<br>19.6<br>51 | 96<br>-1<br>9     | 90<br>4<br>8   |                  |                   |                   |                   |
| OBS 210242<br>93097525<br>OBS21242 |              | OBS 140279<br>OBS 170115 |        | 110<br>66        | 95<br>67      | 81<br>66   | 120<br>26 | 118<br>46                                             | 113<br>51 |              |             | 81<br>10      | 112<br>-0.66<br>67 | 90<br>0.33<br>61   | 83<br>-12<br>26 | 95<br>9.2<br>67   | 81<br>-6.7<br>66  | 83<br>3<br>53         | 89<br>10.6<br>54  | 85<br>17<br>26  | 83<br>-21<br>7   | 87<br>3.4<br>27    | 110<br>-15.6<br>58 | 115<br>-7.1<br>29 | 117<br>25.4<br>51 | 84<br>-8<br>26 | 83<br>-3<br>26   | 82<br>-0.96<br>10 | 85<br>-0.78<br>9  | 83<br>-0.70<br>9  |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                 |                   |                   | Growth                |                   |                 | Fertility       |               |                  |                  | Frame              |                   | Carcass           |                 |                 |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------------|-----------------|-----------------|---------------|------------------|------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG             | FCR             | Scrotal Circ. | Heifer Fertility | Cow Fertility    | Longevity          | Height            | Length            | EMA             | Fat             | Marbling          |                   |                   |
| ID<br>Number<br>Name                |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                 |                 |               |                  |                  |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 210251<br>93097541<br>OBS21251  |              | OBS 190027<br>OBS 190157 | 94<br>61         | 104<br>64     | 105<br>56 | 98<br>8   | 93<br>43    | 95<br>44  |              |             |               | 93<br>0.94<br>64   | 104<br>-0.23<br>52 | 100<br>7<br>8   | 104<br>14.3<br>64 | 105<br>-0.1<br>56 | 106<br>57<br>43       | 102<br>20.4<br>44 | 99<br>67<br>8   |                 |               | 104<br>13.2<br>8 | 72<br>14.5<br>56 | 98<br>-3.6<br>25   | 111<br>21.7<br>49 | 99<br>1<br>8      | 94<br>7<br>8    |                 |                   |                   |                   |
| OBS 220014<br>93309102<br>OBS 22 14 | 1            | OBS 180168<br>OBS 190252 | 106<br>68        | 106<br>67     | 76<br>55  | 116<br>27 | 103<br>47   | 103<br>50 | 94<br>26     | 98<br>45    | 91<br>8       | 102<br>0.16<br>70  | 108<br>-0.37<br>59 | 88<br>-7<br>27  | 106<br>15.9<br>67 | 76<br>-8.2<br>55  | 90<br>18<br>50        | 99<br>18.3<br>58  | 95<br>54<br>44  | 95<br>-33<br>5  |               |                  | 90<br>5.6<br>46  | 97<br>-5.0<br>62   | 105<br>-5.1<br>27 | 105<br>18.2<br>53 | 88<br>-6<br>42  | 86<br>0<br>41   | 91<br>-0.01<br>8  | 94<br>-0.26<br>8  | 105<br>0.57<br>8  |
| OBS 220018<br>93309128<br>OBS 22 18 |              | OBS 140279<br>OBS 170127 | 111<br>62        | 97<br>62      | 76<br>56  | 116<br>26 | 111<br>44   | 105<br>47 |              |             | 87<br>10      | 112<br>-0.66<br>64 | 94<br>0.18<br>54   | 88<br>-7<br>26  | 97<br>10.1<br>62  | 76<br>-8.0<br>56  | 79<br>-7<br>48        | 90<br>11.1<br>52  | 90<br>37<br>26  | 90<br>-28<br>7  |               |                  | 91<br>6.1<br>27  | 111<br>-16.0<br>57 | 105<br>-5.2<br>26 | 111<br>21.4<br>50 | 90<br>-4<br>26  | 89<br>3<br>26   | 87<br>-0.43<br>10 | 86<br>-0.72<br>9  | 85<br>-0.56<br>9  |
| OBS 220019<br>93309136<br>OBS 22 19 |              | BOS 033044<br>OBS 180026 | 110<br>69        | 93<br>67      | 90<br>61  | 122<br>39 | 117<br>55   | 117<br>54 | 75<br>26     | 106<br>48   | 73<br>20      | 105<br>-0.05<br>71 | 112<br>-0.52<br>64 | 79<br>-16<br>39 | 93<br>8.3<br>67   | 90<br>-4.1<br>61  | 92<br>22<br>56        | 87<br>8.7<br>57   | 74<br>-22<br>38 | 70<br>-6<br>13  |               |                  | 87<br>3.8<br>40  | 121<br>-23.7<br>63 | 113<br>-6.6<br>42 | 108<br>19.9<br>61 | 85<br>-8<br>40  | 79<br>-7<br>40  | 70<br>-2.13<br>20 | 97<br>-0.09<br>19 | 83<br>-0.65<br>18 |
| OBS 220022<br>93309169<br>OBS 22 22 |              | OBS 140279<br>OBS 130063 | 112<br>68        | 94<br>69      | 70<br>65  | 125<br>28 | 111<br>49   | 104<br>52 |              |             | 74<br>10      | 112<br>-0.64<br>70 | 96<br>0.10<br>61   | 77<br>-19<br>28 | 94<br>8.5<br>69   | 70<br>-9.9<br>65  | 74<br>-20<br>54       | 87<br>9.0<br>55   | 77<br>-13<br>26 | 62<br>3<br>7    |               |                  | 78<br>-1.6<br>27 | 113<br>-17.9<br>62 | 108<br>-5.7<br>31 | 107<br>18.9<br>54 | 72<br>-15<br>26 | 74<br>-12<br>26 | 73<br>-1.84<br>10 | 87<br>-0.64<br>9  | 98<br>0.18<br>9   |
| OBS 220023<br>93309177<br>OBS 22 23 |              | OBS 140279<br>BOS 100801 | 118<br>68        | 94<br>70      | 62<br>65  | 128<br>28 | 116<br>48   | 107<br>52 | 82<br>21     | 99<br>46    | 75<br>10      | 117<br>-1.11<br>70 | 96<br>0.09<br>62   | 75<br>-22<br>28 | 94<br>8.4<br>70   | 62<br>-12.1<br>65 | 67<br>-36<br>54       | 87<br>8.9<br>56   | 79<br>-4<br>34  | 77<br>-15<br>7  |               |                  | 78<br>-1.6<br>36 | 120<br>-23.2<br>61 | 106<br>-5.2<br>30 | 113<br>22.7<br>54 | 71<br>-16<br>33 | 71<br>-15<br>32 | 75<br>-1.58<br>10 | 91<br>-0.43<br>9  | 95<br>0.03<br>9   |
| OBS 220028<br>93309201<br>OBS 22 28 |              | OBS 140279<br>OBS 130200 | 112<br>67        | 91<br>66      | 87<br>60  | 123<br>26 | 105<br>48   | 106<br>50 |              |             | 82<br>10      | 110<br>-0.53<br>69 | 100<br>-0.05<br>60 | 79<br>-17<br>26 | 91<br>7.0<br>66   | 87<br>-5.1<br>60  | 86<br>9<br>51         | 86<br>7.8<br>54   | 84<br>13<br>26  | 81<br>-18<br>7  |               |                  | 86<br>3.2<br>27  | 97<br>-5.2<br>61   | 112<br>-6.5<br>30 | 103<br>16.4<br>53 | 78<br>-11<br>26 | 82<br>-4<br>26  | 79<br>-1.21<br>10 | 92<br>-0.36<br>9  | 100<br>0.30<br>9  |
| OBS 220030<br>93309219<br>OBS 22 30 |              | OBS 140279<br>OBS 120292 | 120<br>67        | 89<br>66      | 75<br>63  | 125<br>26 | 103<br>47   | 101<br>50 |              |             | 73<br>10      | 115<br>-0.95<br>69 | 107<br>-0.32<br>62 | 77<br>-19<br>26 | 89<br>5.8<br>66   | 75<br>-8.4<br>63  | 73<br>-21<br>52       | 82<br>5.1<br>56   | 75<br>-19<br>26 | 69<br>-6<br>7   |               |                  | 81<br>0.5<br>27  | 101<br>-8.0<br>59  | 93<br>-2.7<br>27  | 115<br>23.9<br>54 | 73<br>-15<br>26 | 73<br>-13<br>26 | 73<br>-1.77<br>10 | 91<br>-0.43<br>9  | 83<br>-0.65<br>9  |
| OBS 220055<br>93636074<br>OBS 22 55 |              | OBS 140279<br>OBS 110275 | 116<br>67        | 93<br>69      | 82<br>64  | 124<br>26 | 118<br>46   | 116<br>51 |              |             | 79<br>10      | 116<br>-0.97<br>69 | 95<br>0.15<br>60   | 78<br>-18<br>26 | 93<br>8.1<br>69   | 82<br>-6.6<br>64  | 84<br>3<br>53         | 86<br>8.3<br>57   | 84<br>15<br>26  | 81<br>-18<br>7  |               |                  | 85<br>2.3<br>27  | 124<br>-26.5<br>59 | 107<br>-5.5<br>26 | 112<br>22.3<br>52 | 78<br>-11<br>26 | 78<br>-8<br>26  | 81<br>-0.99<br>10 | 87<br>-0.63<br>9  | 86<br>-0.52<br>9  |
| OBS 220063<br>93646750<br>OBS 22 63 |              | OBS 140279<br>PD 120402  | 120<br>68        | 83<br>66      | 73<br>58  | 131<br>26 | 109<br>46   | 103<br>50 |              |             | 66<br>10      | 122<br>-1.48<br>70 | 88<br>0.42<br>60   | 70<br>-28<br>26 | 83<br>2.2<br>66   | 73<br>-8.9<br>58  | 66<br>-38<br>50       | 79<br>3.0<br>53   | 70<br>-36<br>26 | 64<br>0<br>7    |               |                  | 74<br>-3.9<br>27 | 127<br>-28.2<br>58 | 101<br>-4.3<br>26 | 99<br>13.9<br>53  | 66<br>-18<br>26 | 66<br>-19<br>26 | 66<br>-2.46<br>10 | 87<br>-0.66<br>9  | 89<br>-0.35<br>9  |
| OBS 220069<br>93646776<br>OBS 22 69 |              | OBS 190027<br>OBS 190170 | 95<br>62         | 103<br>62     | 98<br>50  | 110<br>8  | 96<br>42    | 100<br>43 |              |             |               | 93<br>0.93<br>65   | 107<br>-0.32<br>53 | 92<br>-2<br>8   | 103<br>14.1<br>62 | 98<br>-2.0<br>50  | 104<br>51<br>40       | 101<br>20.0<br>38 | 95<br>53<br>8   |                 |               | 99<br>10.6<br>8  | 77<br>10.2<br>56 | 103<br>-4.7<br>23  | 109<br>20.4<br>48 | 94<br>-2<br>8     | 90<br>4<br>8    |                 |                   |                   |                   |
| OBS 220073<br>93646784<br>OBS 22 73 |              | BOS 177146<br>PD 080151  | 108<br>67        | 106<br>70     | 91<br>66  | 95<br>32  | 122<br>53   | 115<br>54 | 87<br>27     | 107<br>49   | 97<br>25      | 105<br>-0.08<br>69 | 107<br>-0.33<br>60 | 104<br>11<br>32 | 106<br>15.4<br>70 | 91<br>-4.1<br>66  | 95<br>30<br>56        | 106<br>24.1<br>52 | 95<br>52<br>33  | 92<br>-30<br>18 |               |                  | 93<br>6.8<br>36  | 107<br>-12.6<br>62 | 125<br>-9.1<br>39 | 119<br>26.5<br>57 | 87<br>-6<br>37  | 98<br>11<br>36  | 105<br>1.33<br>26 | 107<br>0.53<br>24 | 98<br>0.21<br>24  |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high |              |            |        |                  |               |        |          |             |           | Value <80    |             | Value >120    |              | Breeding values with an accuracy < 5% are not printed |           |         |          |                       |             |           |      |               |                  |               |           |         |        |       |       |          |
|---------------------------|--------------|------------|--------|------------------|---------------|--------|----------|-------------|-----------|--------------|-------------|---------------|--------------|-------------------------------------------------------|-----------|---------|----------|-----------------------|-------------|-----------|------|---------------|------------------|---------------|-----------|---------|--------|-------|-------|----------|
| Animal                    |              |            |        | Selection Values |               |        |          |             |           |              | Birth       |               | Wean         |                                                       |           |         | Growth   |                       |             | Fertility |      |               |                  | Frame         |           | Carcass |        |       |       |          |
| Index<br>EBV<br>Acc       | % Inbreeding | Sire ID    | Dam ID | Calv. Ease V     | Calf Growth V | Milk V | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat                                             | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG       | FCR  | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height  | Length | EMA   | Fat   | Marbling |
|                           |              |            |        |                  |               |        |          |             |           |              |             |               |              |                                                       |           |         |          |                       |             |           |      |               |                  |               |           |         |        |       |       |          |
|                           |              |            |        |                  |               |        |          |             |           |              |             |               |              |                                                       |           |         |          |                       |             |           |      |               |                  |               |           |         |        |       |       |          |
| OBS 220076                |              | OBS 180168 |        | 102              | 97            | 88     | 121      | 102         | 103       | 83           | 95          | 77            | 100          | 105                                                   | 81        | 97      | 88       | 93                    | 93          | 82        | 81   | 94            | 102              | 108           | 81        | 76      | 76     | 93    | 95    |          |
| 93646792                  |              | BOS 100598 |        | 68               | 70            | 64     | 23       | 44          | 51        | 24           | 46          | 5             | 0.32         | -0.23                                                 | -14       | 10.2    | -4.8     | 24                    | 13.7        | 6         | 0.2  | -2.5          | -4.5             | 19.7          | -10       | -9      | -1.56  | -0.32 | 0.01  |          |
| OBS 22 76                 |              |            |        |                  |               |        |          |             |           |              |             |               | 70           | 62                                                    | 23        | 70      | 64       | 52                    | 53          | 42        | 44   | 58            | 23               | 52            | 40        | 39      | 5      | 5     | 5     |          |
| OBS 220092                |              | BOS 166109 |        | 94               | 109           | 111    | 89       | 114         | 113       | 100          | 108         | 103           | 89           | 121                                                   | 109       | 109     | 111      | 112                   | 108         | 102       | 83   | 102           | 119              | 111           | 91        | 110     | 102    | 116   | 123   |          |
| 93646842                  |              | BOS 180018 |        | 84               | 85            | 83     | 80       | 82          | 76        | 80           | 77          | 79            | 1.27         | -0.90                                                 | 17        | 17.3    | 1.6      | 71                    | 25.4        | 80        | 1.6  | -8.9          | -7.9             | 21.8          | -4        | 23      | 1.09   | 1.07  | 1.62  |          |
| OBS 22 92                 |              |            |        |                  |               |        |          |             |           |              |             |               | 85           | 82                                                    | 80        | 85      | 83       | 83                    | 82          | 80        | 80   | 83            | 80               | 82            | 80        | 80      | 79     | 79    | 79    |          |
| OBS 220114                |              | OBS 190129 |        | 86               | 121           | 85     | 93       | 94          | 92        |              |             | 107           | 82           | 118                                                   | 106       | 121     | 85       | 105                   | 120         | 111       | 113  | 68            | 106              | 108           | 106       | 102     | 105    | 106   | 109   |          |
| 93647527                  |              | OBS 130201 |        | 63               | 63            | 56     | 10       | 39          | 44        |              |             | 5             | 1.86         | -0.78                                                 | 14        | 24.5    | -5.8     | 55                    | 34.2        | 113       | 18.2 | 17.6          | -5.4             | 20.1          | 5         | 15      | 1.34   | 0.43  | 0.82  |          |
| OBS 22 114                |              |            |        |                  |               |        |          |             |           |              |             |               | 66           | 52                                                    | 10        | 63      | 56       | 43                    | 41          | 13        | 14   | 53            | 18               | 46            | 13        | 12      | 5      | 5     | 5     |          |
| OBS 220150                |              | OBS 190044 |        | 114              | 96            | 90     | 115      | 101         | 105       |              |             | 84            | 113          | 98                                                    | 88        | 96      | 90       | 90                    | 92          | 87        | 90   | 106           | 101              | 98            | 93        | 90      | 83     | 87    | 86    |          |
| 95078507                  |              | OBS 130231 |        | 63               | 60            | 56     | 13       | 30          | 42        |              |             | 5             | -0.78        | 0.04                                                  | -6        | 9.9     | -4.3     | 19                    | 12.7        | 25        | 5.5  | -12.1         | -4.3             | 13.5          | -2        | 4       | -0.85  | -0.65 | -0.48 |          |
| OBS 22150                 |              |            |        |                  |               |        |          |             |           |              |             |               | 66           | 53                                                    | 13        | 60      | 56       | 43                    | 34          | 13        | 14   | 30            | 13               | 46            | 13        | 13      | 5      | 5     | 5     |          |
| OBS 220152                | 2            | S 177023   |        | 95               | 106           | 82     | 89       | 103         | 87        |              |             | 94            | 92           | 111                                                   | 111       | 106     | 82       | 86                    | 105         | 99        | 88   | 101           | 91               | 116           | 98        | 99      | 91     | 83    | 97    |          |
| 94126919                  |              | SSS 199011 |        | 62               | 66            | 60     | 26       | 42          | 48        |              |             | 11            | 0.99         | -0.50                                                 | 20        | 15.9    | -6.6     | 9                     | 22.6        | 70        | 4.0  | -8.3          | -2.3             | 24.6          | 0         | 12      | 0.02   | -0.88 | 0.15  |          |
| OBS 22152                 |              |            |        |                  |               |        |          |             |           |              |             |               | 65           | 52                                                    | 26        | 66      | 60       | 51                    | 45          | 25        | 26   | 48            | 27               | 52            | 26        | 26      | 11     | 11    | 10    |          |
| OBS 220163                |              | OBS 140279 |        | 113              | 95            | 73     | 123      | 96          | 95        |              |             | 80            | 113          | 96                                                    | 80        | 95      | 73       | 78                    | 91          | 83        | 81   | 93            | 93               | 106           | 80        | 81      | 78     | 89    | 94    |          |
| 94125879                  |              | BC 160590  |        | 67               | 68            | 62     | 26       | 46          | 51        |              |             | 10            | -0.71        | 0.09                                                  | -16       | 9.5     | -9.0     | -10                   | 12.4        | 11        | 2.3  | -1.7          | -2.7             | 18.3          | -10       | -4      | -1.27  | -0.51 | -0.05 |          |
| OBS 22163                 |              |            |        |                  |               |        |          |             |           |              |             |               | 69           | 58                                                    | 26        | 68      | 62       | 52                    | 56          | 26        | 27   | 59            | 29               | 51            | 26        | 26      | 10     | 9     | 9     |          |
| OBS 220166                |              | OBS 140279 |        | 108              | 99            | 75     | 118      | 120         | 112       |              |             | 84            | 107          | 101                                                   | 86        | 99      | 75       | 81                    | 95          | 87        | 83   | 92            | 125              | 117           | 107       | 82      | 84     | 85    | 90    | 100      |
| 94125887                  |              | OBS 130062 |        | 68               | 67            | 60     | 26       | 49          | 51        |              |             | 10            | -0.25        | -0.08                                                 | -9        | 11.6    | -8.5     | -2                    | 15.5        | 25        | 6.6  | -26.8         | -7.5             | 18.9          | -9        | -2      | -0.64  | -0.48 | 0.32  |          |
| OBS 22166                 |              |            |        |                  |               |        |          |             |           |              |             |               | 70           | 61                                                    | 26        | 67      | 60       | 51                    | 56          | 26        | 27   | 60            | 32               | 54            | 26        | 26      | 10     | 9     | 9     |          |
| OBS 220168                |              | OBS 140279 |        | 105              | 101           | 85     | 118      | 100         | 104       |              |             | 88            | 106          | 94                                                    | 85        | 101     | 85       | 93                    | 95          | 89        | 88   | 88            | 107              | 87            | 109       | 86      | 88     | 85    | 92    | 99       |
| 94125895                  |              | OBS 130293 |        | 67               | 67            | 64     | 26       | 46          | 51        |              |             | 10            | -0.20        | 0.17                                                  | -10       | 12.5    | -5.6     | 26                    | 15.4        | 34        | 4.5  | -13.3         | -1.4             | 20.6          | -7        | 2       | -0.63  | -0.36 | 0.23  |          |
| OBS 22168                 |              |            |        |                  |               |        |          |             |           |              |             |               | 69           | 60                                                    | 26        | 67      | 64       | 52                    | 54          | 26        | 27   | 58            | 28               | 52            | 26        | 26      | 10     | 9     | 9     |          |
| OBS 220181                |              | OBS 180169 |        | 100              | 97            | 88     | 110      | 101         | 95        |              |             | 85            | 103          | 91                                                    | 92        | 97      | 88       | 88                    | 93          | 89        | 92   | 86            | 96               | 118           | 95        | 89      | 84     | 86    | 80    |          |
| 94125929                  |              | OBS 160131 |        | 54               | 57            | 46     | 13       | 35          | 39        |              |             | 5             | 0.09         | 0.30                                                  | -2        | 10.2    | -4.8     | 13                    | 13.4        | 34        | 6.3  | 3.2           | -3.4             | 26.0          | -1        | 3       | -0.71  | -0.71 | -0.82 |          |
| OBS 22181                 |              |            |        |                  |               |        |          |             |           |              |             |               | 58           | 42                                                    | 13        | 57      | 46       | 39                    | 38          | 14        | 15   | 48            | 14               | 42            | 14        | 14      | 5      | 5     | 5     |          |
| OBS 220193                |              | OBS 190207 |        | 100              | 103           | 109    | 95       | 126         | 123       |              |             | 97            | 102          | 93                                                    | 103       | 103     | 109      | 108                   | 103         | 99        | 104  | 117           | 131              | 113           | 101       | 102     | 95     | 98    | 95    |          |
| 94138922                  |              | OBS 200071 |        | 61               | 63            | 55     | 8        | 36          | 42        |              |             | 5             | 0.15         | 0.24                                                  | 10        | 14.1    | 1.2      | 62                    | 21.2        | 67        | 13.1 | -20.4         | -10.4            | 22.8          | 2         | 15      | 0.40   | 0.00  | 0.03  |          |
| OBS 22193                 |              |            |        |                  |               |        |          |             |           |              |             |               | 65           | 49                                                    | 8         | 63      | 55       | 42                    | 42          | 8         | 8    | 48            | 17               | 42            | 8         | 8       | 5      | 5     | 5     |          |
| OBS 220203                | 1            | OBS 190207 |        | 102              | 104           | 94     | 101      | 123         | 117       |              |             | 99            | 103          | 96                                                    | 97        | 104     | 94       | 99                    | 98          | 102       | 105  | 115           | 123              | 116           | 102       | 102     | 99     | 93    | 99    |          |
| 94141876                  |              | OBS 200148 |        | 63               | 54            | 53     | 14       | 34          | 41        |              |             | 6             | 0.11         | 0.10                                                  | 4         | 14.5    | -3.1     | 40                    | 17.2        | 81        | 14.1 | -19.3         | -8.7             | 24.6          | 2         | 15      | 0.72   | -0.30 | 0.22  |          |
| OBS 22203                 |              |            |        |                  |               |        |          |             |           |              |             |               | 66           | 51                                                    | 14        | 54      | 53       | 40                    | 41          | 15        | 15   | 37            | 20               | 45            | 15        | 14      | 6      | 6     | 6     |          |
| OBS 220209                | 4            | BOS 188403 |        | 112              | 89            | 78     | 123      | 105         | 99        |              |             | 67            | 108          | 109                                                   | 79        | 89      | 78       | 75                    | 86          | 71        | 59   | 71            | 102              | 94            | 116       | 73      | 71     | 66    | 94    | 98       |
| 94142460                  |              | OBS 170163 |        | 68               | 69            | 62     | 22       | 46          | 50        |              |             | 12            | -0.29        | -0.40                                                 | -17       | 5.5     | -7.5     | -17                   | 7.9         | -33       | -5.3 | -8.7          | -2.9             | 24.8          | -14       | -14     | -2.53  | -0.24 | 0.20  |          |
| OBS 22209                 |              |            |        |                  |               |        |          |             |           |              |             |               | 70           | 59                                                    | 22        | 69      | 62       | 51                    | 46          | 22        | 23   | 59            | 27               | 51            | 23        | 23      | 12     | 11    | 11    |          |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high           |              |                          |        | Value <80        |               |           |           | Value >120  |           |              |             | Breeding values with an accuracy < 5% are not printed |                    |                    |                 |                   |                   |                       |             |                   |                  |                 |                   |                    |                    |                   |                |                 |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|--------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|-------------------------------------------------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------|-------------------|------------------|-----------------|-------------------|--------------------|--------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Animal                              |              |                          |        | Selection Values |               |           |           |             |           |              |             | Birth                                                 |                    | Wean               |                 |                   |                   | Growth                |             |                   | Fertility        |                 |                   |                    | Frame              |                   | Carcass        |                 |                   |                   |                   |
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID                  | Dam ID | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value                                         | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.   | Heifer Fertility  | Cow Fertility      | Longevity          | Height            | Length         | EMA             | Fat               | Marbling          |                   |
| ID<br>Number<br>Name                |              |                          |        |                  |               |           |           |             |           |              |             |                                                       |                    |                    |                 |                   |                   |                       |             |                   |                  |                 |                   |                    |                    |                   |                |                 |                   |                   |                   |
| OBS 220217<br>94142510<br>OBS22217  |              | BOS 188403<br>OBS 190025 |        | 112<br>68        | 99<br>68      | 92<br>57  | 109<br>19 | 105<br>46   | 108<br>49 |              |             | 91<br>10                                              | 108<br>-0.36<br>70 | 107<br>-0.34<br>60 | 93<br>-1<br>19  | 99<br>11.6<br>68  | 92<br>-3.6<br>57  | 94<br>28<br>48        |             | 92<br>12.8<br>48  | 93<br>48<br>19   |                 | 93<br>7.1<br>20   | 83<br>6.1<br>59    | 111<br>-6.4<br>27  | 116<br>24.5<br>52 | 97<br>-1<br>20 | 95<br>8<br>20   | 88<br>-0.33<br>10 | 98<br>-0.01<br>9  | 107<br>0.71<br>9  |
| OBS 220220<br>94142536<br>OBS22220  |              | BOS 188403<br>OBS 170115 |        | 100<br>65        | 109<br>65     | 93<br>60  | 94<br>19  | 98<br>40    | 97<br>47  |              |             | 94<br>10                                              | 98<br>0.52<br>67   | 106<br>-0.30<br>57 | 104<br>12<br>19 | 109<br>17.2<br>65 | 93<br>-3.4<br>60  | 100<br>42<br>48       |             | 107<br>24.8<br>45 | 96<br>58<br>19   |                 | 96<br>8.9<br>20   | 77<br>10.8<br>53   | 94<br>-2.9<br>19   | 121<br>28.0<br>47 | 109<br>6<br>20 | 103<br>16<br>19 | 90<br>-0.14<br>10 | 92<br>-0.38<br>9  | 89<br>-0.32<br>9  |
| OBS 220222<br>94142544<br>OBS22222  | 1            | BOS 188403<br>OBS 140255 |        | 112<br>68        | 95<br>63      | 65<br>63  | 120<br>25 | 99<br>44    | 90<br>49  |              |             | 77<br>14                                              | 106<br>-0.20<br>70 | 112<br>-0.54<br>60 | 84<br>-12<br>25 | 95<br>9.3<br>63   | 65<br>-11.2<br>63 | 69<br>-31<br>50       |             | 91<br>11.9<br>49  | 81<br>4<br>24    | 72<br>-9<br>7   | 76<br>-2.5<br>26  | 93<br>-2.3<br>52   | 86<br>-1.2<br>26   | 117<br>25.5<br>53 | 85<br>-7<br>26 | 83<br>-2<br>25  | 75<br>-1.60<br>14 | 106<br>0.43<br>13 | 106<br>0.62<br>13 |
| OBS 220245<br>94142643<br>OBS22245  | 4            | BOS 177146<br>OBS 150156 |        | 98<br>88         | 114<br>88     | 101<br>87 | 91<br>84  | 130<br>86   | 127<br>79 | 92<br>84     | 119<br>80   | 103<br>83                                             | 97<br>0.58<br>88   | 102<br>-0.15<br>86 | 107<br>15<br>84 | 114<br>20.4<br>88 | 101<br>-1.2<br>87 | 111<br>67<br>86       |             | 112<br>28.1<br>86 | 92<br>43<br>84   | 83<br>-21<br>83 | 96<br>8.6<br>84   | 117<br>-20.7<br>87 | 129<br>-10.0<br>84 | 124<br>29.4<br>86 | 84<br>-8<br>84 | 104<br>18<br>84 | 105<br>1.39<br>83 | 118<br>1.17<br>83 | 95<br>0.01<br>83  |
| OBS 220256<br>94458320<br>OBS22256  | 2            | BOS 188403<br>OBS 180193 |        | 110<br>66        | 100<br>66     | 81<br>54  | 112<br>23 | 93<br>45    | 94<br>48  |              |             | 87<br>10                                              | 107<br>-0.25<br>68 | 104<br>-0.22<br>57 | 91<br>-4<br>23  | 100<br>12.2<br>66 | 81<br>-6.6<br>54  | 87<br>10<br>48        |             | 96<br>15.8<br>51  | 89<br>34<br>23   | 85<br>-22<br>5  | 88<br>4.1<br>24   | 74<br>13.2<br>60   | 92<br>-2.5<br>25   | 115<br>23.9<br>51 | 91<br>-4<br>24 | 91<br>4<br>23   | 85<br>-0.65<br>11 | 95<br>-0.16<br>10 | 101<br>0.36<br>10 |
| OBS 220257<br>94458338<br>OBS22257  |              | BOS 188403<br>OBS 180252 |        | 106<br>67        | 103<br>68     | 75<br>61  | 112<br>19 | 91<br>46    | 89<br>49  |              |             | 85<br>10                                              | 104<br>0.00<br>69  | 102<br>-0.14<br>59 | 91<br>-3<br>19  | 103<br>13.6<br>68 | 75<br>-8.5<br>61  | 83<br>3<br>49         |             | 97<br>17.0<br>50  | 89<br>31<br>19   |                 | 90<br>5.3<br>20   | 73<br>13.3<br>60   | 90<br>-2.1<br>26   | 113<br>22.6<br>51 | 92<br>-3<br>20 | 89<br>3<br>20   | 84<br>-0.75<br>10 | 96<br>-0.12<br>9  | 105<br>0.57<br>9  |
| OBS 220258<br>94458346<br>OBS22258  | 2            | BOS 188403<br>OBS 190019 |        | 113<br>68        | 100<br>69     | 68<br>62  | 114<br>21 | 93<br>46    | 88<br>50  |              |             | 83<br>10                                              | 109<br>-0.38<br>70 | 108<br>-0.37<br>59 | 90<br>-4<br>21  | 100<br>11.9<br>69 | 68<br>-10.3<br>62 | 75<br>-17<br>51       |             | 95<br>15.3<br>52  | 87<br>26<br>20   | 79<br>-16<br>5  | 88<br>4.1<br>21   | 75<br>12.1<br>60   | 89<br>-1.9<br>26   | 117<br>25.0<br>52 | 86<br>-7<br>21 | 86<br>0<br>21   | 84<br>-0.70<br>11 | 97<br>-0.08<br>10 | 106<br>0.62<br>10 |
| OBS 220263<br>94458353<br>OBS22263  | 6            | BOS 188403<br>OBS 170147 |        | 104<br>67        | 101<br>59     | 78<br>53  | 117<br>24 | 96<br>43    | 95<br>46  |              |             | 84<br>12                                              | 100<br>0.34<br>69  | 112<br>-0.51<br>58 | 87<br>-8<br>24  | 101<br>12.4<br>59 | 78<br>-7.6<br>53  | 86<br>8<br>45         |             | 95<br>15.2<br>47  | 88<br>29<br>24   | 85<br>-23<br>6  | 87<br>3.5<br>25   | 83<br>5.6<br>51    | 94<br>-2.9<br>27   | 112<br>22.1<br>52 | 90<br>-4<br>25 | 88<br>2<br>25   | 80<br>-1.11<br>13 | 101<br>0.15<br>12 | 101<br>0.37<br>12 |
| OBS 220288<br>94458411<br>OBS22288  | 2            | BOS 166109<br>OBS 150026 |        | 83<br>61         | 118<br>66     | 109<br>56 | 91<br>37  | 117<br>48   | 118<br>50 | 100<br>23    | 113<br>45   | 110<br>25                                             | 81<br>1.94<br>64   | 111<br>-0.50<br>51 | 107<br>15<br>37 | 118<br>22.6<br>66 | 109<br>1.2<br>56  | 122<br>93<br>53       |             | 114<br>29.6<br>52 | 108<br>100<br>35 | 103<br>-42<br>8 | 91<br>5.9<br>38   | 111<br>-16.2<br>57 | 114<br>-6.9<br>35  | 115<br>24.2<br>52 | 108<br>6<br>38 | 119<br>32<br>37 | 106<br>1.45<br>26 | 115<br>1.01<br>24 | 113<br>1.03<br>23 |
| OBS 230005<br>95066361<br>OBS 23 5  |              | BOS 188403<br>OBS 150194 |        | 110<br>67        | 98<br>60      | 83<br>55  | 104<br>19 | 103<br>43   | 96<br>46  |              |             | 89<br>10                                              | 108<br>-0.31<br>69 | 104<br>-0.20<br>60 | 95<br>2<br>19   | 98<br>10.8<br>60  | 83<br>-6.3<br>55  | 83<br>2<br>45         |             | 91<br>12.4<br>47  | 93<br>48<br>19   |                 | 91<br>6.2<br>20   | 95<br>-3.4<br>50   | 99<br>-3.9<br>25   | 113<br>23.0<br>53 | 96<br>-1<br>20 | 93<br>6<br>20   | 88<br>-0.30<br>10 | 94<br>-0.23<br>9  | 101<br>0.37<br>9  |
| OBS 230010<br>95077095<br>OBS 23 10 | 1            | BOS 188403<br>OBS 190123 |        | 93<br>65         | 114<br>61     | 94<br>59  | 93<br>20  | 106<br>42   | 104<br>46 |              |             | 105<br>10                                             | 92<br>1.03<br>67   | 105<br>-0.24<br>56 | 106<br>14<br>20 | 114<br>20.3<br>61 | 94<br>-3.1<br>59  | 106<br>56<br>47       |             | 109<br>26.2<br>46 | 107<br>99<br>20  | 104<br>-44<br>5 | 106<br>14.5<br>21 | 95<br>-3.4<br>51   | 106<br>-5.3<br>25  | 113<br>23.0<br>50 | 110<br>7<br>21 | 109<br>22<br>20 | 103<br>1.12<br>11 | 100<br>0.13<br>10 | 110<br>0.87<br>10 |
| OBS 230011<br>95066403<br>OBS 23 11 |              | BOS 122346<br>BC 170011  |        | 78<br>67         | 108<br>67     | 98<br>56  | 92<br>43  | 95<br>52    | 84<br>53  | 94<br>28     | 80<br>48    | 97<br>20                                              | 85<br>1.55<br>69   | 84<br>0.59<br>60   | 106<br>14<br>43 | 108<br>16.5<br>67 | 98<br>-2.1<br>56  | 102<br>46<br>55       |             | 102<br>20.6<br>58 | 97<br>60<br>37   | 89<br>-27<br>18 | 109<br>16.5<br>40 | 85<br>4.4<br>62    | 93<br>-2.6<br>38   | 109<br>20.4<br>56 | 111<br>8<br>40 | 107<br>20<br>39 | 85<br>-0.60<br>21 | 118<br>1.14<br>19 | 108<br>0.73<br>18 |

# Breeding Values and Accuracies: Cows

Green: >120    High  
White: 80-120 Average  
Orange: <80    Low

| Inbreeding in red is high |              |            |        | Value <80        |               |        |          | Value >120  |           |              |             | Breeding values with an accuracy < 5% are not printed |              |           |           |         |          |                       |             |     |           |               |                  |               |           |        |         |       |       |          |
|---------------------------|--------------|------------|--------|------------------|---------------|--------|----------|-------------|-----------|--------------|-------------|-------------------------------------------------------|--------------|-----------|-----------|---------|----------|-----------------------|-------------|-----|-----------|---------------|------------------|---------------|-----------|--------|---------|-------|-------|----------|
| Animal                    |              |            |        | Selection Values |               |        |          |             |           |              |             | Birth                                                 |              | Wean      |           |         |          | Growth                |             |     | Fertility |               |                  |               | Frame     |        | Carcass |       |       |          |
| Index<br>EBV<br>Acc       | % Inbreeding | Sire ID    | Dam ID | Calv. Ease V     | Calf Growth V | Milk V | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value                                         | Birth wt dir | Birth mat | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height | Length  | EMA   | Fat   | Marbling |
| ID<br>Number<br>Name      |              |            |        |                  |               |        |          |             |           |              |             |                                                       |              |           |           |         |          |                       |             |     |           |               |                  |               |           |        |         |       |       |          |
| OBS 230012                |              | BOS 122346 |        | 96               | 95            | 93     | 97       | 97          | 84        | 84           | 77          | 87                                                    | 100          | 87        | 101       | 95      | 93       | 86                    | 91          | 87  | 84        | 105           | 108              | 85            | 103       | 94     | 92      | 80    | 113   | 103      |
| 95066411                  |              | BC 170557  |        | 65               | 68            | 58     | 43       | 53          | 53        | 22           | 47          | 14                                                    | 0.31         | 0.46      | 9         | 9.3     | -3.5     | 10                    | 11.7        | 23  | -22       | 14.2          | -14.0            | -1.0          | 16.5      | -2     | 6       | -1.12 | 0.85  | 0.47     |
| OBS 23 12                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 56        | 43        | 68      | 58       | 56                    | 58          | 34  | 8         | 36            | 62               | 40            | 56        | 36     | 36      | 15    | 14    | 14       |
| OBS 230017                |              | BOS 188403 |        | 104              | 100           | 88     | 98       | 108         | 98        |              |             | 89                                                    | 103          | 102       | 100       | 100     | 88       | 88                    | 97          | 92  |           | 89            | 99               | 101           | 117       | 100    | 95      | 86    | 91    | 90       |
| 95066841                  |              | OBS 110203 |        | 67               | 68            | 63     | 19       | 43          | 49        |              |             | 10                                                    | 0.09         | -0.14     | 7         | 12.1    | -4.7     | 14                    | 16.7        | 44  |           | 4.8           | -7.0             | -4.2          | 25.5      | 1      | 9       | -0.52 | -0.40 | -0.28    |
| OBS 23 17                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 60        | 19        | 68      | 63       | 50                    | 48          | 19  |           | 20            | 58               | 21            | 50        | 20     | 19      | 10    | 9     | 9        |
| OBS 230032                |              | BOS 166109 |        | 77               | 118           | 97     | 90       | 113         | 105       | 112          | 103         | 112                                                   | 75           | 111       | 108       | 118     | 97       | 112                   | 116         | 114 | 97        | 94            | 102              | 117           | 110       | 107    | 119     | 108   | 122   | 132      |
| 95067518                  |              | BOS 100598 |        | 86               | 86            | 85     | 82       | 83          | 77        | 82           | 78          | 81                                                    | 2.37         | -0.49     | 17        | 22.8    | -2.2     | 69                    | 31.1        | 123 | -36       | 7.5           | -9.2             | -7.5          | 21.2      | 5      | 31      | 1.65  | 1.37  | 2.12     |
| OBS 23 32                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 86           | 84        | 82        | 86      | 85       | 84                    | 84          | 82  | 81        | 82            | 83               | 81            | 84        | 82     | 82      | 81    | 81    | 81       |
| OBS 230034                |              | BOS 188403 |        | 110              | 96            | 89     | 111      | 103         | 102       |              |             | 81                                                    | 106          | 109       | 91        | 96      | 89       | 88                    | 91          | 86  |           | 86            | 98               | 92            | 117       | 92     | 86      | 80    | 92    | 88       |
| 95067526                  |              | OBS 110275 |        | 67               | 68            | 62     | 19       | 42          | 49        |              |             | 10                                                    | -0.15        | -0.41     | -3        | 9.6     | -4.5     | 14                    | 12.0        | 21  |           | 3.1           | -5.7             | -2.4          | 25.6      | -3     | 0       | -1.10 | -0.35 | -0.37    |
| OBS 23 34                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 59        | 19        | 68      | 62       | 50                    | 50          | 19  |           | 20            | 57               | 19            | 49        | 20     | 19      | 10    | 9     | 9        |
| OBS 230035                | 2            | BOS 188403 |        | 99               | 111           | 92     | 97       | 107         | 106       |              |             | 102                                                   | 97           | 104       | 101       | 111     | 92       | 103                   | 103         | 103 | 101       | 101           | 97               | 103           | 117       | 108    | 106     | 99    | 100   | 109      |
| 95067534                  |              | OBS 190093 |        | 68               | 69            | 61     | 22       | 47          | 50        |              |             | 11                                                    | 0.57         | -0.21     | 8         | 18.6    | -3.6     | 50                    | 21.7        | 83  | -40       | 11.6          | -4.8             | -4.7          | 25.1      | 6      | 19      | 0.73  | 0.10  | 0.83     |
| OBS 23 35                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 70           | 59        | 22        | 69      | 61       | 51                    | 52          | 22  | 5         | 23            | 61               | 28            | 52        | 23     | 22      | 11    | 11    | 10       |
| OBS 230042                |              | BOS 066337 |        | 102              | 97            | 92     | 115      | 99          | 100       | 88           | 94          | 87                                                    | 100          | 105       | 87        | 97      | 92       | 94                    | 95          | 89  | 76        | 100           | 109              | 82            | 110       | 86     | 95      | 86    | 107   | 103      |
| 95067591                  |              | OBS 180026 |        | 67               | 68            | 64     | 42       | 52          | 54        | 25           | 48          | 25                                                    | 0.32         | -0.24     | -7        | 10.6    | -3.7     | 28                    | 14.9        | 31  | -13       | 11.1          | -14.8            | -0.4          | 20.8      | -7     | 9       | -0.51 | 0.53  | 0.44     |
| OBS 23 42                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 62        | 42        | 68      | 64       | 58                    | 56          | 40  | 8         | 42            | 55               | 43            | 59        | 42     | 41      | 26    | 24    | 24       |
| OBS 230046                |              | BOS 188403 |        | 116              | 86            | 74     | 119      | 95          | 87        |              |             | 70                                                    | 115          | 97        | 84        | 86      | 74       | 66                    | 83          | 74  |           | 77            | 97               | 86            | 107       | 82     | 77      | 67    | 92    | 92       |
| 96067962                  |              | PD 120402  |        | 68               | 67            | 61     | 19       | 42          | 48        |              |             | 10                                                    | -0.93        | 0.06      | -11       | 4.0     | -8.7     | -38                   | 5.5         | -23 |           | -2.2          | -5.5             | -1.2          | 19.2      | -9     | -9      | -2.38 | -0.35 | -0.15    |
| OBS 23 46                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 70           | 60        | 19        | 67      | 61       | 49                    | 46          | 19  |           | 20            | 57               | 19            | 49        | 20     | 19      | 10    | 9     | 9        |
| OBS 230047                |              | BOS 188403 |        | 102              | 105           | 92     | 100      | 84          | 86        |              |             | 98                                                    | 99           | 108       | 99        | 105     | 92       | 97                    | 98          | 100 |           | 101           | 56               | 88            | 114       | 103    | 101     | 94    | 98    | 111      |
| 95067971                  |              | OBS 190042 |        | 68               | 67            | 55     | 19       | 47          | 48        |              |             | 10                                                    | 0.38         | -0.36     | 6         | 14.8    | -3.7     | 35                    | 17.3        | 72  |           | 11.6          | 26.9             | -1.6          | 23.3      | 3      | 15      | 0.28  | 0.01  | 0.94     |
| OBS 23 47                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 70           | 59        | 19        | 67      | 55       | 47                    | 50          | 19  |           | 20            | 62               | 27            | 52        | 20     | 20      | 10    | 9     | 9        |
| OBS 230049                |              | OBS 140279 |        | 113              | 97            | 73     | 126      | 113         | 111       |              |             | 83                                                    | 114          | 91        | 76        | 97      | 73       | 82                    | 89          | 88  | 80        | 89            | 115              | 103           | 113       | 77     | 79      | 88    | 88    | 101      |
| 95067997                  |              | OBS 190038 |        | 67               | 69            | 63     | 26       | 50          | 52        |              |             | 10                                                    | -0.86        | 0.29      | -20       | 10.4    | -8.9     | -2                    | 10.2        | 28  | -17       | 5.0           | -19.3            | -4.6          | 22.9      | -12    | -7      | -0.37 | -0.58 | 0.35     |
| OBS 23 49                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 59        | 26        | 69      | 63       | 53                    | 57          | 27  | 7         | 28            | 63               | 32            | 54        | 27     | 26      | 10    | 9     | 9        |
| OBS 230051                |              | BOS 122346 |        | 89               | 106           | 102    | 86       | 111         | 99        | 96           | 94          | 100                                                   | 92           | 93        | 113       | 106     | 102      | 101                   | 102         | 98  | 93        | 115           | 105              | 105           | 116       | 103    | 105     | 95    | 114   | 104      |
| 95068003                  |              | OBS 180018 |        | 66               | 67            | 60     | 43       | 49          | 53        | 22           | 47          | 14                                                    | 0.99         | 0.23      | 22        | 15.8    | -1.0     | 43                    | 20.3        | 64  | -31       | 19.7          | -11.1            | -5.0          | 24.9      | 3      | 18      | 0.32  | 0.95  | 0.52     |
| OBS 23 51                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 58        | 43        | 67      | 60       | 57                    | 58          | 34  | 8         | 36            | 52               | 40            | 55        | 36     | 36      | 15    | 14    | 14       |
| OBS 230081                |              | BOS 188403 |        | 106              | 97            | 85     | 108      | 98          | 94        |              |             | 84                                                    | 104          | 104       | 93        | 97      | 85       | 85                    | 94          | 86  |           | 87            | 92               | 90            | 115       | 96     | 92      | 78    | 97    | 103      |
| 95279550                  |              | OBS 160129 |        | 67               | 68            | 61     | 19       | 42          | 49        |              |             | 10                                                    | -0.01        | -0.21     | -1        | 10.5    | -5.8     | 7                     | 14.1        | 23  |           | 3.8           | -1.1             | -2.0          | 23.9      | -1     | 6       | -1.30 | -0.06 | 0.47     |
| OBS2381                   |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 58        | 19        | 68      | 61       | 49                    | 48          | 19  |           | 20            | 59               | 20            | 48        | 20     | 19      | 10    | 9     | 9        |
| OBS 230083                |              | BOS 188403 |        | 106              | 99            | 89     | 105      | 100         | 96        |              |             | 88                                                    | 104          | 102       | 95        | 99      | 89       | 90                    | 92          | 92  |           | 93            | 96               | 94            | 111       | 97     | 93      | 87    | 94    | 100      |
| 95279576                  |              | OBS 190043 |        | 67               | 68            | 59     | 19       | 46          | 49        |              |             | 10                                                    | -0.01        | -0.12     | 1         | 11.3    | -4.4     | 19                    | 13.0        | 44  |           | 6.9           | -4.1             | -2.8          | 21.4      | 0      | 7       | -0.39 | -0.25 | 0.28     |
| OBS2383                   |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 58        | 19        | 68      | 59       | 49                    | 50          | 19  |           | 20            | 61               | 26            | 50        | 20     | 20      | 10    | 9     | 9        |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high |              |            |        | Value <80        |               |        |          | Value >120  |           |              |             | Breeding values with an accuracy < 5% are not printed |              |           |           |         |          |                       |             |      |           |               |                  |               |           |        |         |     |       |          |       |
|---------------------------|--------------|------------|--------|------------------|---------------|--------|----------|-------------|-----------|--------------|-------------|-------------------------------------------------------|--------------|-----------|-----------|---------|----------|-----------------------|-------------|------|-----------|---------------|------------------|---------------|-----------|--------|---------|-----|-------|----------|-------|
| Animal                    |              |            |        | Selection Values |               |        |          |             |           |              |             | Birth                                                 |              | Wean      |           |         |          | Growth                |             |      | Fertility |               |                  |               | Frame     |        | Carcass |     |       |          |       |
| Index<br>EBV<br>Acc       | % Inbreeding | Sire ID    | Dam ID | Calv. Ease V     | Calf Growth V | Milk V | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value                                         | Birth wt dir | Birth mat | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG  | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height | Length  | EMA | Fat   | Marbling |       |
| ID<br>Number<br>Name      |              |            |        |                  |               |        |          |             |           |              |             |                                                       |              |           |           |         |          |                       |             |      |           |               |                  |               |           |        |         |     |       |          |       |
| OBS 230091                |              | BOS 188403 |        | 100              | 112           | 104    | 90       | 98          | 104       |              |             | 108                                                   | 98           | 107       | 109       | 112     | 104      | 110                   |             | 105  | 111       |               | 108              | 85            | 99        | 111    | 117     | 114 | 105   | 97       | 108   |
| 95410783                  |              | OBS 190030 |        | 67               | 68            | 61     | 19       | 46          | 49        |              |             | 10                                                    | 0.54         | -0.32     | 17        | 19.1    | -0.3     | 66                    |             | 23.0 | 112       |               | 15.6             | 4.4           | -3.9      | 21.8   | 11      | 27  | 1.36  | -0.09    | 0.73  |
| OBS 23 91                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 59        | 19        | 68      | 61       | 49                    |             | 50   | 19        |               | 20               | 61            | 26        | 51     | 20      | 20  | 10    | 9        | 9     |
| OBS 230095                |              | BOS 188403 |        | 105              | 105           | 91     | 99       | 96          | 96        |              |             | 94                                                    | 103          | 104       | 99        | 105     | 91       | 96                    |             | 99   | 97        |               | 97               | 86            | 98        | 107    | 103     | 99  | 92    | 95       | 102   |
| 95410817                  |              | OBS 170051 |        | 65               | 68            | 57     | 19       | 43          | 48        |              |             | 10                                                    | 0.10         | -0.20     | 6         | 15.1    | -4.0     | 33                    |             | 17.9 | 63        |               | 9.4              | 3.1           | -3.6      | 18.9   | 3       | 12  | 0.11  | -0.19    | 0.40  |
| OBS 23 95                 |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 56        | 19        | 68      | 57       | 48                    |             | 50   | 19        |               | 20               | 51            | 27        | 50     | 20      | 20  | 10    | 9        | 9     |
| OBS 230116                | 2            | BOS 199077 |        | 113              | 99            | 75     | 112      | 106         | 101       |              |             | 89                                                    | 107          | 112       | 91        | 99      | 75       | 80                    |             | 94   | 92        | 90            | 98               | 111           | 97        | 109    | 84      | 91  | 95    | 83       | 88    |
| 95410890                  |              | OBS 190053 |        | 62               | 54            | 44     | 21       | 36          | 41        |              |             | 12                                                    | -0.28        | -0.52     | -3        | 11.7    | -8.3     | -5                    |             | 14.2 | 41        | -28           | 9.8              | -16.1         | -3.4      | 20.4   | -8      | 5   | 0.35  | -0.89    | -0.40 |
| OBS 23 116                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 65           | 50        | 21        | 54      | 44       | 40                    |             | 42   | 22        | 7             | 23               | 38            | 23        | 47     | 23      | 22  | 12    | 11       | 11    |
| OBS 230119                | 1            | BOS 199077 |        | 97               | 111           | 89     | 92       | 114         | 105       |              |             | 102                                                   | 91           | 118       | 108       | 111     | 89       | 98                    |             | 108  | 105       | 105           | 114              | 108           | 116       | 109    | 100     | 106 | 108   | 88       | 98    |
| 95410908                  |              | OBS 190157 |        | 59               | 55            | 45     | 17       | 36          | 40        |              |             | 11                                                    | 1.09         | -0.77     | 16        | 18.5    | -4.5     | 37                    |             | 25.3 | 91        | -45           | 19.1             | -14.0         | -7.3      | 20.6   | 1       | 19  | 1.68  | -0.62    | 0.20  |
| OBS 23 119                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 63           | 45        | 17        | 55      | 45       | 39                    |             | 42   | 18        | 7             | 19               | 38            | 23        | 48     | 19      | 19  | 11    | 11       | 10    |
| OBS 230128                | 2            | BOS 188403 |        | 110              | 101           | 73     | 106      | 96          | 89        |              |             | 89                                                    | 105          | 110       | 94        | 101     | 73       | 78                    |             | 95   | 90        | 84            | 86               | 91            | 85        | 115    | 95      | 95  | 86    | 102      | 101   |
| 95806543                  |              | OBS 180116 |        | 65               | 67            | 56     | 23       | 41          | 48        |              |             | 12                                                    | -0.11        | -0.45     | 1         | 12.6    | -9.1     | -9                    |             | 15.2 | 34        | -21           | 3.2              | -0.1          | -1.1      | 24.0   | -1      | 9   | -0.56 | 0.20     | 0.34  |
| OBS23128                  |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 55        | 23        | 67      | 56       | 49                    |             | 50   | 22        | 6             | 23               | 50            | 25        | 48     | 24      | 23  | 12    | 11       | 11    |
| OBS 230131                | 2            | BOS 188403 |        | 100              | 114           | 81     | 97       | 92          | 91        |              |             | 105                                                   | 96           | 113       | 102       | 114     | 81       | 96                    |             | 106  | 107       | 101           | 99               | 80            | 94        | 107    | 108     | 108 | 102   | 107      | 117   |
| 95806568                  |              | OBS 190140 |        | 65               | 67            | 54     | 22       | 43          | 47        |              |             | 12                                                    | 0.69         | -0.56     | 10        | 20.2    | -6.8     | 33                    |             | 24.0 | 97        | -41           | 10.3             | 8.4           | -2.8      | 18.8   | 6       | 21  | 1.04  | 0.50     | 1.26  |
| OBS23131                  |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 54        | 22        | 67      | 54       | 48                    |             | 51   | 22        | 5             | 23               | 51            | 28        | 50     | 23      | 22  | 12    | 11       | 10    |
| OBS 230132                |              | BOS 199260 |        | 110              | 94            | 86     | 104      | 120         | 107       |              |             | 87                                                    | 104          | 114       | 96        | 94      | 86       | 81                    |             | 93   | 91        | 90            | 90               | 113           | 112       | 122    | 89      | 94  | 87    | 89       | 75    |
| 95907903                  |              | OBS 160144 |        | 58               | 61            | 48     | 21       | 32          | 42        |              |             | 12                                                    | -0.02        | -0.62     | 2         | 8.5     | -5.4     | -2                    |             | 13.3 | 41        | -29           | 5.3              | -17.4         | -6.5      | 28.2   | -5      | 8   | -0.40 | -0.55    | -1.11 |
| OBS 21 132                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 62           | 43        | 21        | 61      | 48       | 43                    |             | 46   | 21        | 8             | 22               | 30            | 24        | 41     | 21      | 21  | 12    | 11       | 11    |
| OBS 230134                |              | BOS 188403 |        | 103              | 105           | 86     | 99       | 82          | 81        |              |             | 98                                                    | 101          | 105       | 100       | 105     | 86       | 92                    |             | 97   | 100       |               | 98               | 74            | 73        | 109    | 105     | 102 | 95    | 99       | 110   |
| 95907929                  |              | OBS 190056 |        | 65               | 67            | 55     | 19       | 42          | 47        |              |             | 10                                                    | 0.27         | -0.23     | 7         | 15.0    | -5.4     | 23                    |             | 16.7 | 73        |               | 10.2             | 13.2          | 1.3       | 20.6   | 4       | 15  | 0.31  | 0.02     | 0.87  |
| OBS 23 134                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 55        | 19        | 67      | 55       | 47                    |             | 50   | 19        |               | 20               | 50            | 27        | 49     | 20      | 20  | 10    | 9        | 9     |
| OBS 230138                |              | BOS 199077 |        | 108              | 93            | 91     | 102      | 94          | 87        |              |             | 84                                                    | 103          | 111       | 96        | 93      | 91       | 84                    |             | 89   | 88        | 91            | 97               | 101           | 95        | 93     | 90      | 91  | 90    | 77       | 71    |
| 97000814                  |              | OBS 210017 |        | 54               | 43            | 27     | 16       | 26          | 31        |              |             | 10                                                    | 0.05         | -0.48     | 3         | 8.1     | -4.0     | 5                     |             | 10.4 | 27        | -29           | 9.5              | -7.9          | -3.0      | 10.4   | -4      | 4   | -0.18 | -1.24    | -1.34 |
| OBS 23 138                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 59           | 36        | 16        | 43      | 27       | 29                    |             | 32   | 17        | 7             | 18               | 24            | 17        | 38     | 18      | 18  | 11    | 10       | 10    |
| OBS 230139                |              | BOS 199077 |        | 99               | 110           | 89     | 97       | 108         | 104       | 99           | 99          | 103                                                   | 96           | 110       | 101       | 110     | 89       | 99                    |             | 107  | 109       | 114           | 105              | 112           | 104       | 105    | 101     | 103 | 106   | 103      | 102   |
| 95907945                  |              | OBS 210105 |        | 63               | 64            | 45     | 22       | 41          | 44        | 23           | 40          | 19                                                    | 0.69         | -0.46     | 8         | 17.7    | -4.5     | 40                    |             | 24.7 | 103       | -54           | 13.8             | -16.7         | -4.8      | 18.1   | 2       | 16  | 1.45  | 0.27     | 0.44  |
| OBS 23 139                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 67           | 51        | 22        | 64      | 45       | 44                    |             | 48   | 25        | 19            | 27               | 53            | 23        | 46     | 27      | 26  | 20    | 18       | 18    |
| OBS 230145                |              | BOS 188403 |        | 106              | 96            | 88     | 113      | 85          | 87        |              |             | 83                                                    | 104          | 106       | 90        | 96      | 88       | 88                    |             | 92   | 87        |               | 88               | 79            | 77        | 108    | 91      | 87  | 82    | 95       | 104   |
| 95908042                  |              | OBS 190051 |        | 65               | 67            | 55     | 19       | 42          | 47        |              |             | 10                                                    | 0.03         | -0.28     | -5        | 10.0    | -4.8     | 14                    |             | 12.7 | 26        |               | 4.3              | 9.3           | 0.5       | 19.7   | -4      | 1   | -0.94 | -0.16    | 0.50  |
| OBS 23 145                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 68           | 54        | 19        | 67      | 55       | 47                    |             | 50   | 19        |               | 20               | 50            | 26        | 49     | 20      | 20  | 10    | 9        | 9     |
| OBS 230157                | 4            | BOS 188403 |        | 114              | 97            | 82     | 109      | 98          | 96        |              |             | 89                                                    | 112          | 102       | 93        | 97      | 82       | 83                    |             | 90   | 88        | 81            | 87               | 85            | 94        | 115    | 93      | 94  | 85    | 100      | 100   |
| 95908117                  |              | OBS 150156 |        | 66               | 68            | 58     | 27       | 44          | 49        |              |             | 14                                                    | -0.64        | -0.13     | -1        | 10.6    | -6.4     | 2                     |             | 11.7 | 27        | -18           | 3.6              | 4.6           | -2.8      | 24.3   | -3      | 8   | -0.62 | 0.10     | 0.32  |
| OBS 23 157                |              |            |        |                  |               |        |          |             |           |              |             |                                                       | 69           | 57        | 27        | 68      | 58       | 51                    |             | 52   | 27        | 8             | 28               | 52            | 29        | 51     | 28      | 28  | 14    | 13       | 13    |

# Breeding Values and Accuracies: Cows

Green: >120    High  
White: 80-120 Average  
Orange: <80    Low

| Animal                               |              |                          | Selection Values |               |          |           |             |           |              |             | Birth              |                    | Wean               |             |             |            | Growth                |             |           | Fertility   |               |                  |               | Frame       |           | Carcass     |             |             |             |
|--------------------------------------|--------------|--------------------------|------------------|---------------|----------|-----------|-------------|-----------|--------------|-------------|--------------------|--------------------|--------------------|-------------|-------------|------------|-----------------------|-------------|-----------|-------------|---------------|------------------|---------------|-------------|-----------|-------------|-------------|-------------|-------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value      | Birth wt dir       | Birth mat          | Mature wt   | Wean wt     | Wean mat   | Cow-Calf Ratio (Wean) | Postwean wt | ADG       | FCR         | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity   | Height    | Length      | EMA         | Fat         | Marbling    |
|                                      |              |                          |                  |               |          |           |             |           |              |             |                    |                    |                    |             |             |            |                       |             |           |             |               |                  |               |             |           |             |             |             |             |
| OBS 230174<br>95908737<br>OBS 23 174 | 2            | BOS 199260<br>OBS 190170 | 95<br>64         | 109<br>65     | 86<br>50 | 100<br>21 | 142<br>44   | 127<br>46 |              |             | 102<br>12          | 91<br>1.12<br>67   | 122<br>-0.94<br>52 | 98<br>5     | 109<br>17.6 | 86<br>-5.3 | 98<br>37              | 108<br>25.2 | 105<br>89 | 98<br>-37   | 102<br>12.0   | 132<br>-32.5     | 140<br>-12.2  | 126<br>30.9 | 93<br>-3  | 106<br>19   | 102<br>1.04 | 103<br>0.27 | 102<br>0.43 |
| OBS 230181<br>95908794<br>OBS 23 181 |              | BOS 188403<br>OBS 130231 | 116<br>67        | 89<br>65      | 88<br>56 | 118<br>19 | 90<br>41    | 92<br>47  |              | 75<br>10    | 111<br>-0.57<br>69 | 109<br>-0.40<br>59 | 85<br>-10          | 89<br>5.7   | 88<br>-4.7  | 82<br>0    | 88<br>9.9             | 79<br>-4    |           | 80<br>-0.6  | 83<br>6.0     | 84<br>-0.9       | 109<br>20.1   | 87<br>-6    | 82<br>-3  | 72<br>-1.88 | 93<br>-0.28 | 95<br>0.01  |             |
| OBS 230184<br>95908802<br>OBS 23 184 |              | BOS 188403<br>OBS 130062 | 107<br>65        | 102<br>68     | 80<br>58 | 97<br>19  | 98<br>40    | 87<br>47  |              | 90<br>10    | 103<br>0.11<br>68  | 109<br>-0.42<br>56 | 102<br>9           | 102<br>13.0 | 80<br>-7.1  | 82<br>1    | 99<br>18.2            | 92<br>45    |           | 97<br>9.2   | 88<br>1.6     | 97<br>-3.6       | 108<br>19.8   | 100<br>2    | 97<br>10  | 87<br>-0.38 | 96<br>-0.15 | 105<br>0.56 |             |
| OBS 230201<br>95908976<br>OBS 23 201 |              | BOS 188403<br>OBS 170059 | 117<br>65        | 100<br>68     | 73<br>57 | 110<br>21 | 99<br>43    | 95<br>48  |              | 91<br>10    | 113<br>-0.78<br>68 | 104<br>-0.23<br>56 | 93<br>-1           | 100<br>12.0 | 73<br>-8.9  | 78<br>-9   | 90<br>11.6            | 95<br>53    |           | 93<br>6.9   | 93<br>-1.9    | 93<br>-2.6       | 111<br>21.9   | 93<br>-2    | 93<br>6   | 91<br>-0.03 | 95<br>-0.16 | 108<br>0.74 |             |
| OBS 230209<br>95909016<br>OBS 23 209 | 1            | BOS 188403<br>OBS 140255 | 114<br>66        | 91<br>69      | 72<br>59 | 122<br>25 | 96<br>43    | 90<br>49  |              | 75<br>14    | 108<br>-0.33<br>69 | 112<br>-0.54<br>57 | 81<br>-14          | 91<br>7.0   | 72<br>-9.2  | 71<br>-26  | 88<br>9.4             | 78<br>-7    | 68<br>-5  | 74<br>-3.9  | 94<br>-3.1    | 85<br>-1.0       | 111<br>21.6   | 82<br>-9    | 80<br>-6  | 73<br>-1.84 | 105<br>0.40 | 105<br>0.56 |             |
| OBS 230210<br>95909024<br>OBS 23 210 |              | BOS 188403<br>BC 170048  | 112<br>66        | 103<br>59     | 82<br>53 | 99<br>24  | 102<br>41   | 97<br>46  |              | 95<br>12    | 110<br>-0.47<br>69 | 103<br>-0.16<br>55 | 100<br>7           | 103<br>13.9 | 82<br>-6.4  | 87<br>11   | 100<br>19.0           | 95<br>56    | 91<br>-29 | 99<br>10.6  | 97<br>-5.1    | 101<br>-4.3      | 106<br>18.7   | 96<br>-1    | 98<br>11  | 90<br>-0.14 | 107<br>0.51 | 112<br>0.96 |             |
| OBS 230216<br>95909032<br>OBS 23 216 | 4            | BOS 188403<br>OBS 170247 | 111<br>67        | 93<br>67      | 76<br>55 | 118<br>22 | 90<br>45    | 86<br>48  |              | 81<br>12    | 107<br>-0.25<br>69 | 108<br>-0.38<br>58 | 86<br>-9           | 93<br>7.9   | 76<br>-8.2  | 75<br>-18  | 89<br>10.2            | 85<br>19    | 80<br>-17 | 86<br>2.9   | 77<br>10.2    | 86<br>-1.3       | 111<br>21.5   | 91<br>-4    | 87<br>1   | 78<br>-1.29 | 98<br>0.00  | 103<br>0.48 |             |
| OBS 230223<br>95909263<br>OBS 23 223 |              | BOS 122346<br>OBS 180132 | 85<br>65         | 112<br>64     | 88<br>58 | 86<br>43  | 100<br>50   | 86<br>52  | 100<br>22    | 83<br>46    | 93<br>0.92<br>67   | 79<br>0.79<br>60   | 114<br>24          | 112<br>19.2 | 88<br>-4.8  | 95<br>31   | 108<br>24.9           | 102<br>80   | 98<br>-37 | 118<br>21.6 | 89<br>1.2     | 97<br>-3.5       | 113<br>23.1   | 111<br>8    | 110<br>23 | 98<br>0.63  | 111<br>0.74 | 100<br>0.29 |             |
| OBS 230250<br>95912515<br>OBS 23 250 | 3            | BOS 188403<br>OBS 190163 | 101<br>65        | 107<br>66     | 82<br>56 | 97<br>22  | 105<br>40   | 96<br>47  |              | 101<br>12   | 99<br>0.44<br>68   | 105<br>-0.25<br>54 | 102<br>10          | 107<br>16.4 | 82<br>-6.6  | 90<br>19   | 101<br>20.0           | 102<br>78   | 97<br>-35 | 100<br>11.1 | 89<br>1.0     | 107<br>-5.4      | 115<br>24.0   | 103<br>3    | 106<br>19 | 98<br>0.66  | 103<br>0.27 | 109<br>0.81 |             |
| OBS 230251<br>95912523<br>OBS 23 251 |              | BOS 188403<br>OBS 130293 | 107<br>65        | 93<br>66      | 92<br>57 | 111<br>19 | 81<br>38    | 82<br>46  |              | 81<br>10    | 104<br>-0.02<br>68 | 106<br>-0.27<br>56 | 91<br>-3           | 93<br>7.8   | 92<br>-3.8  | 87<br>10   | 89<br>10.5            | 84<br>13    |           | 84<br>1.8   | 80<br>7.8     | 67<br>2.6        | 108<br>19.7   | 92<br>-3    | 88<br>2   | 77<br>-1.44 | 95<br>-0.17 | 98<br>0.20  |             |
| OBS 230254<br>95912556<br>OBS 23 254 |              | BOS 188403<br>OBS 180145 | 105<br>64        | 103<br>66     | 90<br>54 | 98<br>19  | 87<br>42    | 88<br>46  |              | 95<br>10    | 103<br>0.05<br>67  | 101<br>-0.11<br>54 | 100<br>7           | 103<br>14.1 | 90<br>-4.1  | 94<br>28   | 97<br>16.8            | 99<br>67    |           | 98<br>10.0  | 84<br>5.3     | 88<br>-1.7       | 99<br>14.4    | 105<br>4    | 101<br>14 | 93<br>0.21  | 95<br>-0.18 | 102<br>0.43 |             |
| OBS 230255<br>95912564<br>OBS 23 255 | 1            | BOS 188403<br>OBS 190152 | 108<br>65        | 101<br>65     | 82<br>53 | 100<br>20 | 101<br>38   | 93<br>46  |              | 94<br>10    | 106<br>-0.17<br>68 | 102<br>-0.15<br>53 | 99<br>6            | 101<br>12.6 | 82<br>-6.4  | 85<br>6    | 97<br>16.7            | 97<br>60    | 95<br>-33 | 97<br>9.2   | 93<br>-2.0    | 102<br>-4.4      | 107<br>19.1   | 100<br>1    | 99<br>13  | 91<br>-0.07 | 99<br>0.06  | 105<br>0.61 |             |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high            |              |                          |              | Value <80        |           |           |             | Value >120 |              |             |               | Breeding values with an accuracy < 5% are not printed |                    |                 |                   |                  |                          |             |                   |                  |                 |                   |                    |                    |                   |                 |                 |                   |                   |                   |
|--------------------------------------|--------------|--------------------------|--------------|------------------|-----------|-----------|-------------|------------|--------------|-------------|---------------|-------------------------------------------------------|--------------------|-----------------|-------------------|------------------|--------------------------|-------------|-------------------|------------------|-----------------|-------------------|--------------------|--------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Animal                               |              |                          |              | Selection Values |           |           |             |            |              |             |               | Birth                                                 |                    | Wean            |                   |                  |                          | Growth      |                   |                  | Fertility       |                   |                    |                    | Frame             |                 | Carcass         |                   |                   |                   |
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V | Calf Growth V    | Milk V    | Maint. V  | Fertility V | Cow Value  | Growth Value | Prod. Value | Carcass Value | Birth wt dir                                          | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf<br>Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.   | Heifer Fertility  | Cow Fertility      | Longevity          | Height            | Length          | EMA             | Fat               | Marbling          |                   |
| ID<br>Number<br>Name                 |              |                          |              |                  |           |           |             |            |              |             |               |                                                       |                    |                 |                   |                  |                          |             |                   |                  |                 |                   |                    |                    |                   |                 |                 |                   |                   |                   |
| OBS 230269<br>95912606<br>OBS 23 269 |              | BOS 188403<br>OBS 171410 | 116<br>59    | 91<br>62         | 79<br>49  | 111<br>19 | 93<br>34    | 87<br>42   |              |             | 77<br>10      | 112<br>-0.70<br>62                                    | 104<br>-0.23<br>48 | 92<br>-2<br>19  | 91<br>6.6<br>62   | 79<br>-7.4<br>49 | 73<br>-22<br>43          |             | 88<br>9.7<br>44   | 81<br>2<br>19    |                 | 83<br>1.4<br>20   | 85<br>4.0<br>41    | 85<br>-1.0<br>19   | 113<br>23.0<br>43 | 91<br>-4<br>20  | 84<br>-2<br>19  | 75<br>-1.58<br>10 | 89<br>-0.56<br>9  | 83<br>-0.67<br>9  |
| OBS 230273<br>95912630<br>OBS 23 273 | 2            | BOS 188403<br>OBS 200071 | 106<br>64    | 104<br>67        | 92<br>55  | 96<br>20  | 109<br>39   | 104<br>46  |              |             | 96<br>10      | 102<br>0.14<br>67                                     | 107<br>-0.35<br>53 | 102<br>10<br>20 | 104<br>14.2<br>67 | 92<br>-3.6<br>55 | 95<br>29<br>47           |             | 99<br>18.5<br>48  | 96<br>58<br>19   |                 | 96<br>9.0<br>20   | 99<br>-6.4<br>47   | 114<br>-6.9<br>23  | 109<br>20.5<br>46 | 99<br>1<br>20   | 102<br>15<br>20 | 93<br>0.12<br>11  | 105<br>0.39<br>10 | 109<br>0.80<br>10 |
| OBS 230279<br>96354501<br>OBS23279   | 2            | OBS 210077<br>OBS 150026 | 89<br>63     | 113<br>65        | 123<br>53 | 93<br>30  | 106<br>41   | 117<br>47  |              |             | 110<br>16     | 93<br>0.90<br>67                                      | 89<br>0.38<br>51   | 104<br>11<br>30 | 113<br>19.7<br>65 | 123<br>5.1<br>53 | 129<br>111<br>49         |             | 113<br>29.2<br>49 | 112<br>117<br>28 | 107<br>-47<br>8 | 107<br>15.0<br>29 | 103<br>-9.7<br>42  | 98<br>-3.6<br>32   | 113<br>23.0<br>48 | 117<br>11<br>29 | 119<br>32<br>29 | 107<br>1.57<br>17 | 99<br>0.03<br>15  | 102<br>0.43<br>15 |
| OBS 230299<br>96780671<br>OBS23299   | 3            | BOS 177146<br>BOS 177205 | 113<br>61    | 102<br>61        | 91<br>57  | 96<br>36  | 126<br>51   | 118<br>49  | 88<br>30     | 109<br>45   | 96<br>28      | 108<br>-0.33<br>64                                    | 111<br>-0.49<br>50 | 103<br>10<br>36 | 102<br>13.4<br>61 | 91<br>-4.1<br>57 | 92<br>22<br>51           |             | 103<br>21.2<br>54 | 93<br>48<br>37   | 90<br>-28<br>20 | 96<br>8.8<br>41   | 100<br>-7.4<br>56  | 135<br>-11.2<br>41 | 122<br>28.3<br>55 | 83<br>-9<br>41  | 98<br>11<br>40  | 103<br>1.15<br>30 | 115<br>0.97<br>27 | 94<br>-0.02<br>26 |
| OBS 240010<br>96775135<br>OBS 24 10  |              | BOS 199260<br>OBS 110203 | 108<br>61    | 96<br>54         | 85<br>52  | 105<br>21 | 130<br>37   | 114<br>42  |              |             | 87<br>12      | 102<br>0.21<br>65                                     | 116<br>-0.69<br>49 | 95<br>1<br>21   | 96<br>9.5<br>54   | 85<br>-5.7<br>52 | 83<br>1<br>42            |             | 94<br>14.2<br>43  | 92<br>42<br>21   | 91<br>-30<br>8  | 86<br>3.2<br>22   | 124<br>-26.6<br>37 | 123<br>-8.6<br>26  | 123<br>29.1<br>47 | 84<br>-8<br>21  | 92<br>6<br>21   | 87<br>-0.39<br>12 | 89<br>-0.52<br>11 | 78<br>-0.97<br>11 |
| OBS 240017<br>96775192<br>OBS 24 17  |              | OBS 200138<br>OBS 100411 | 117<br>53    | 107<br>53        | 97<br>50  | 95<br>13  | 116<br>31   | 120<br>38  |              |             | 102<br>5      | 112<br>-0.66<br>55                                    | 108<br>-0.39<br>48 | 103<br>11<br>13 | 107<br>16.2<br>53 | 97<br>-2.1<br>50 | 102<br>47<br>39          |             | 102<br>20.5<br>34 | 103<br>82<br>13  |                 | 109<br>16.1<br>14 | 114<br>-18.5<br>30 | 116<br>-7.2<br>16  | 109<br>20.4<br>46 | 110<br>7<br>13  | 107<br>20<br>13 | 101<br>0.93<br>5  | 88<br>-0.59<br>5  | 92<br>-0.18<br>5  |
| OBS 240018<br>96775200<br>OBS 24 18  | 1            | BOS 211175<br>OBS 210130 | 106<br>60    | 100<br>62        | 92<br>44  | 110<br>18 | 114<br>35   | 112<br>42  |              |             | 89<br>8       | 104<br>-0.03<br>65                                    | 103<br>-0.17<br>43 | 92<br>-2<br>18  | 100<br>11.9<br>62 | 92<br>-3.8<br>44 | 94<br>28<br>41           |             | 94<br>14.7<br>50  | 93<br>45<br>24   | 88<br>-26<br>5  | 89<br>4.7<br>25   | 99<br>-6.5<br>41   | 115<br>-7.0<br>21  | 117<br>25.5<br>44 | 86<br>-7<br>23  | 89<br>3<br>23   | 89<br>-0.26<br>8  | 93<br>-0.30<br>7  | 102<br>0.42<br>7  |
| OBS 240031<br>98261779<br>OBS 24 31  |              | BOS 177663<br>OBS 180026 | 104<br>65    | 102<br>58        | 95<br>54  | 98<br>32  | 103<br>40   | 100<br>46  | 91<br>23     | 94<br>41    | 87<br>30      | 100<br>0.38<br>68                                     | 113<br>-0.55<br>54 | 100<br>7<br>32  | 102<br>13.1<br>58 | 95<br>-2.7<br>54 | 96<br>33<br>48           |             | 101<br>19.9<br>48 | 94<br>49<br>42   |                 | 93<br>7.0<br>45   | 99<br>-6.5<br>47   | 97<br>-3.4<br>21   | 112<br>22.4<br>51 | 75<br>-13<br>45 | 87<br>1<br>44   | 104<br>1.29<br>32 | 45<br>-3.10<br>29 | 69<br>-1.47<br>29 |
| OBS 240032<br>97100242<br>OBS 24 32  | 2            | BOS 211175<br>OBS 210144 | 94<br>60     | 109<br>62        | 83<br>45  | 104<br>19 | 110<br>36   | 103<br>42  |              |             | 96<br>10      | 96<br>0.69<br>65                                      | 96<br>0.09<br>43   | 96<br>2<br>19   | 109<br>17.1<br>62 | 83<br>-6.1<br>45 | 96<br>32<br>42           |             | 104<br>22.3<br>50 | 99<br>68<br>18   | 88<br>-26<br>6  | 96<br>8.7<br>19   | 101<br>-8.6<br>41  | 105<br>-5.1<br>22  | 117<br>25.3<br>45 | 88<br>-5<br>18  | 97<br>10<br>18  | 97<br>0.59<br>10  | 97<br>-0.04<br>9  | 111<br>0.91<br>9  |
| OBS 240036<br>97100275<br>OBS 24 36  |              | BOS 199260<br>OBS 130292 | 102<br>62    | 106<br>63        | 93<br>51  | 95<br>21  | 116<br>35   | 109<br>44  |              |             | 102<br>12     | 96<br>0.68<br>66                                      | 120<br>-0.86<br>48 | 104<br>11<br>21 | 106<br>15.7<br>63 | 93<br>-3.4<br>51 | 97<br>36<br>45           |             | 104<br>22.4<br>48 | 106<br>94<br>21  | 100<br>-40<br>8 | 94<br>7.5<br>22   | 107<br>-12.8<br>32 | 120<br>-8.0<br>25  | 112<br>22.0<br>47 | 99<br>1<br>21   | 110<br>23<br>21 | 100<br>0.89<br>12 | 97<br>-0.10<br>11 | 101<br>0.38<br>11 |
| OBS 240039<br>97100309<br>OBS 24 39  |              | BOS 199260<br>BC 170009  | 106<br>61    | 103<br>64        | 92<br>47  | 96<br>26  | 110<br>38   | 105<br>44  |              |             | 97<br>12      | 100<br>0.36<br>65                                     | 120<br>-0.83<br>45 | 102<br>9<br>26  | 103<br>13.7<br>64 | 92<br>-3.7<br>47 | 94<br>28<br>46           |             | 101<br>20.0<br>52 | 100<br>70<br>21  | 98<br>-37<br>8  | 95<br>8.2<br>22   | 106<br>-12.2<br>39 | 104<br>-5.0<br>28  | 114<br>23.4<br>46 | 94<br>-2<br>21  | 103<br>16<br>21 | 93<br>0.13<br>12  | 101<br>0.17<br>11 | 100<br>0.31<br>11 |
| OBS 240053<br>97100390<br>OBS 24 53  | 1            | BOS 211175<br>OBS 210141 | 99<br>59     | 100<br>61        | 89<br>42  | 105<br>14 | 103<br>33   | 97<br>40   |              |             | 88<br>8       | 99<br>0.43<br>64                                      | 101<br>-0.11<br>41 | 95<br>1<br>14   | 100<br>12.3<br>61 | 89<br>-4.6<br>42 | 91<br>21<br>39           |             | 96<br>16.3<br>47  | 93<br>46<br>13   | 87<br>-25<br>5  | 91<br>5.8<br>14   | 93<br>-2.2<br>38   | 98<br>-3.7<br>19   | 116<br>24.9<br>42 | 88<br>-5<br>14  | 90<br>4<br>13   | 89<br>-0.19<br>8  | 90<br>-0.48<br>7  | 96<br>0.04<br>7   |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                               |              |                          | Selection Values |               |           |           |             |           |              |             |               | Birth              |                    | Wean            |                   |                  |                          | Growth            |                 |                | Fertility         |                    |                   |                   | Frame          |                 | Carcass           |                   |                   |
|--------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|--------------------------|-------------------|-----------------|----------------|-------------------|--------------------|-------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf<br>Ratio (Wean) | Postwean wt       | ADG             | FCR            | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                 |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                  |                          |                   |                 |                |                   |                    |                   |                   |                |                 |                   |                   |                   |
| OBS 240059<br>97100432<br>OBS 24 59  | 2            | BOS 211175<br>OBS 210242 | 100<br>59        | 98<br>61      | 90<br>44  | 110<br>18 | 113<br>34   | 106<br>41 |              |             | 86<br>8       | 100<br>0.32<br>64  | 98<br>0.02<br>43   | 92<br>-2<br>18  | 98<br>10.8<br>61  | 90<br>-4.2<br>44 | 91<br>21<br>41           | 94<br>14.0<br>48  | 90<br>35<br>17  | 83<br>-20<br>5 | 88<br>4.1<br>18   | 100<br>-7.6<br>39  | 112<br>-6.5<br>21 | 117<br>25.5<br>43 | 85<br>-7<br>18 | 88<br>2<br>17   | 87<br>-0.45<br>9  | 89<br>-0.51<br>8  | 94<br>-0.04<br>8  |
| OBS 240086<br>97100622<br>OBS 24 86  | 1            | BOS 199077<br>OBS 180236 | 103<br>62        | 109<br>65     | 75<br>47  | 107<br>19 | 105<br>38   | 101<br>44 |              |             | 96<br>12      | 97<br>0.60<br>66   | 117<br>-0.74<br>47 | 94<br>0<br>19   | 109<br>17.5<br>65 | 75<br>-8.4<br>47 | 90<br>18<br>44           | 102<br>20.3<br>52 | 99<br>69<br>20  | 97<br>-35<br>7 | 103<br>12.6<br>21 | 108<br>-14.1<br>40 | 105<br>-5.0<br>26 | 101<br>15.5<br>49 | 93<br>-2<br>21 | 97<br>11<br>21  | 103<br>1.10<br>12 | 91<br>-0.44<br>11 | 100<br>0.27<br>11 |
| OBS 240121<br>97469746<br>OBS 24 121 |              | OBS 210077<br>OBS 210129 | 99<br>61         | 97<br>60      | 106<br>44 | 111<br>25 | 97<br>35    | 103<br>42 |              |             | 87<br>12      | 102<br>0.14<br>65  | 88<br>0.40<br>46   | 91<br>-4<br>25  | 97<br>10.2<br>60  | 106<br>0.3<br>44 | 104<br>52<br>43          | 97<br>16.5<br>39  | 93<br>48<br>21  |                | 92<br>6.4<br>22   | 113<br>-17.5<br>33 | 83<br>-0.7<br>25  | 102<br>15.8<br>46 | 92<br>-3<br>22 | 93<br>6<br>22   | 90<br>-0.13<br>13 | 90<br>-0.47<br>12 | 96<br>0.08<br>12  |
| OBS 240122<br>97473912<br>OBS 24 122 |              | OBS 210077<br>OBS 190038 | 105<br>63        | 98<br>64      | 97<br>51  | 114<br>23 | 100<br>39   | 105<br>45 |              |             | 91<br>12      | 109<br>-0.39<br>67 | 87<br>0.46<br>50   | 88<br>-6<br>23  | 98<br>10.7<br>64  | 97<br>-2.1<br>51 | 99<br>39<br>46           | 95<br>15.3<br>48  | 98<br>64<br>21  |                | 97<br>9.2<br>22   | 109<br>-14.8<br>42 | 84<br>-0.9<br>29  | 109<br>20.6<br>47 | 95<br>-2<br>22 | 95<br>8<br>22   | 95<br>0.38<br>13  | 91<br>-0.43<br>12 | 103<br>0.49<br>12 |
| OBS 240123<br>97469753<br>OBS 24 123 | 1            | OBS 210077<br>OBS 220023 | 104<br>62        | 98<br>63      | 89<br>47  | 119<br>26 | 108<br>38   | 110<br>44 |              |             | 87<br>14      | 107<br>-0.21<br>66 | 90<br>0.32<br>48   | 83<br>-12<br>26 | 98<br>11.2<br>63  | 89<br>-4.6<br>47 | 94<br>28<br>45           | 98<br>17.3<br>48  | 92<br>43<br>27  | 80<br>-18<br>5 | 87<br>3.7<br>28   | 118<br>-21.4<br>42 | 92<br>-2.4<br>27  | 112<br>22.4<br>45 | 84<br>-8<br>27 | 88<br>2<br>27   | 88<br>-0.37<br>14 | 96<br>-0.14<br>13 | 106<br>0.64<br>13 |
| OBS 240139<br>97622625<br>OBS 24 139 |              | OBS 210077<br>OBS 220076 | 99<br>62         | 102<br>63     | 98<br>47  | 110<br>25 | 101<br>37   | 105<br>44 |              |             | 95<br>13      | 101<br>0.24<br>66  | 93<br>0.21<br>48   | 91<br>-3<br>25  | 102<br>13.4<br>63 | 98<br>-2.0<br>47 | 103<br>49<br>45          | 101<br>20.0<br>47 | 100<br>71<br>29 |                | 94<br>7.6<br>31   | 102<br>-9.1<br>40  | 92<br>-2.5<br>26  | 110<br>20.8<br>44 | 96<br>-1<br>29 | 99<br>12<br>29  | 94<br>0.24<br>14  | 98<br>-0.02<br>12 | 108<br>0.78<br>12 |
| OBS 240141<br>97622633<br>OBS 24 141 | 1            | OBS 210077<br>OBS 220055 | 106<br>62        | 98<br>62      | 96<br>47  | 114<br>25 | 109<br>37   | 112<br>44 |              |             | 93<br>14      | 109<br>-0.43<br>66 | 89<br>0.40<br>47   | 88<br>-6<br>25  | 98<br>11.2<br>62  | 96<br>-2.6<br>47 | 98<br>38<br>45           | 95<br>15.4<br>48  | 99<br>69<br>24  | 88<br>-26<br>5 | 94<br>7.9<br>26   | 118<br>-21.7<br>41 | 94<br>-2.9<br>26  | 111<br>21.9<br>45 | 93<br>-3<br>25 | 97<br>11<br>25  | 95<br>0.36<br>14  | 95<br>-0.19<br>13 | 103<br>0.48<br>13 |
| OBS 240143<br>97622658<br>OBS 24 143 |              | BOS 188403<br>OBS 190025 | 113<br>65        | 101<br>68     | 90<br>57  | 103<br>19 | 106<br>43   | 106<br>48 |              |             | 95<br>10      | 109<br>-0.40<br>68 | 108<br>-0.38<br>56 | 96<br>2<br>19   | 101<br>12.8<br>68 | 90<br>-4.2<br>57 | 93<br>26<br>48           | 94<br>14.3<br>51  | 97<br>60<br>19  |                | 96<br>8.7<br>20   | 90<br>0.5<br>51    | 114<br>-6.9<br>27 | 109<br>20.6<br>50 | 100<br>2<br>20 | 99<br>12<br>20  | 92<br>0.02<br>10  | 99<br>0.04<br>9   | 109<br>0.80<br>9  |
| OBS 240151<br>97622666<br>OBS 24 151 |              | BOS 177663<br>OBS 160054 | 95<br>66         | 110<br>67     | 95<br>57  | 95<br>32  | 100<br>42   | 98<br>49  | 101<br>23    | 94<br>44    | 97<br>30      | 95<br>0.79<br>69   | 103<br>-0.19<br>57 | 104<br>11<br>32 | 110<br>17.9<br>67 | 95<br>-2.7<br>57 | 103<br>50<br>52          | 106<br>23.9<br>54 | 104<br>88<br>43 |                | 101<br>11.8<br>45 | 92<br>-1.0<br>49   | 104<br>-4.8<br>25 | 104<br>17.5<br>52 | 85<br>-7<br>46 | 95<br>9<br>45   | 116<br>2.41<br>32 | 45<br>-3.13<br>29 | 75<br>-1.14<br>29 |
| OBS 240157<br>97622690<br>OBS 24 157 |              | BOS 200505<br>OBS 160144 | 98<br>58         | 101<br>60     | 99<br>47  | 99<br>19  | 106<br>29   | 101<br>40 |              |             | 93<br>12      | 96<br>0.66<br>62   | 107<br>-0.32<br>42 | 99<br>6<br>19   | 101<br>12.9<br>60 | 99<br>-1.6<br>47 | 99<br>41<br>42           | 99<br>18.5<br>42  | 96<br>57<br>20  | 91<br>-30<br>8 | 94<br>7.9<br>22   | 110<br>-15.5<br>28 | 95<br>-3.0<br>19  | 110<br>21.3<br>40 | 94<br>-2<br>22 | 99<br>12<br>21  | 94<br>0.28<br>13  | 84<br>-0.80<br>12 | 77<br>-0.99<br>12 |
| OBS 240159<br>97622708<br>OBS 24 159 |              | BOS 199260<br>OBS 160145 | 106<br>62        | 106<br>65     | 72<br>51  | 104<br>22 | 118<br>41   | 106<br>45 |              |             | 97<br>12      | 99<br>0.40<br>66   | 121<br>-0.87<br>48 | 96<br>2<br>22   | 106<br>15.8<br>65 | 72<br>-9.3<br>51 | 83<br>2<br>46            | 99<br>18.5<br>52  | 100<br>74<br>24 | 97<br>-36<br>8 | 95<br>8.4<br>25   | 108<br>-13.6<br>43 | 117<br>-7.5<br>31 | 118<br>25.7<br>48 | 89<br>-5<br>24 | 97<br>11<br>24  | 97<br>0.60<br>12  | 97<br>-0.04<br>11 | 99<br>0.24<br>11  |
| OBS 240177<br>97622773<br>OBS 24 177 |              | BOS 200505<br>OBS 160519 | 79<br>62         | 123<br>64     | 106<br>51 | 98<br>20  | 116<br>38   | 122<br>44 |              |             | 104<br>13     | 54<br>4.16<br>66   | 117<br>-0.73<br>48 | 99<br>7<br>20   | 123<br>25.6<br>64 | 106<br>0.4<br>51 | 129<br>110<br>45         | 119<br>33.4<br>48 | 106<br>94<br>21 | 96<br>-35<br>8 | 100<br>11.3<br>22 | 124<br>-26.5<br>41 | 113<br>-6.6<br>26 | 104<br>17.2<br>47 | 97<br>0<br>22  | 106<br>19<br>22 | 106<br>1.39<br>14 | 94<br>-0.25<br>12 | 100<br>0.28<br>12 |

# Breeding Values and Accuracies: Cows

Green: >120    High  
White: 80-120 Average  
Orange: <80    Low

| Inbreeding in red is high |              |                   |  | Value <80        |               | Value >120 |          | Breeding values with an accuracy < 5% are not printed |           |              |             |               |              |           |           |         |          |                       |             |     |           |               |                  |               |           |        |         |       |       |          |
|---------------------------|--------------|-------------------|--|------------------|---------------|------------|----------|-------------------------------------------------------|-----------|--------------|-------------|---------------|--------------|-----------|-----------|---------|----------|-----------------------|-------------|-----|-----------|---------------|------------------|---------------|-----------|--------|---------|-------|-------|----------|
| Animal                    |              |                   |  | Selection Values |               |            |          |                                                       |           |              |             | Birth         |              | Wean      |           |         |          | Growth                |             |     | Fertility |               |                  |               | Frame     |        | Carcass |       |       |          |
| Index<br>EBV<br>Acc       | % Inbreeding | Sire ID<br>Dam ID |  | Calv. Ease V     | Calf Growth V | Milk V     | Maint. V | Fertility V                                           | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir | Birth mat | Mature wt | Wean wt | Wean mat | Cow-Calf Ratio (Wean) | Postwean wt | ADG | FCR       | Scrotal Circ. | Heifer Fertility | Cow Fertility | Longevity | Height | Length  | EMA   | Fat   | Marbling |
| ID<br>Number<br>Name      |              |                   |  |                  |               |            |          |                                                       |           |              |             |               |              |           |           |         |          |                       |             |     |           |               |                  |               |           |        |         |       |       |          |
| OBS 240181                |              | BOS 122346        |  | 85               | 105           | 103        | 88       | 106                                                   | 94        | 92           | 89          | 95            | 91           | 85        | 111       | 105     | 103      | 101                   | 100         | 95  | 94        | 114           | 98               | 99            | 116       | 106    | 102     | 90    | 107   | 88       |
| 97622807                  |              | OBS 170115        |  | 64               | 64            | 59         | 43       | 46                                                    | 51        | 22           | 45          | 14            | 1.07         | 0.52      | 20        | 15.0    | -0.4     | 46                    | 19.2        | 52  | -32       | 18.8          | -5.8             | -3.8          | 24.9      | 5      | 15      | -0.15 | 0.50  | -0.37    |
| OBS 24 181                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 57        | 43        | 64      | 59       | 55                    | 49          | 34  | 8         | 36            | 48               | 37            | 53        | 36     | 36      | 15    | 14    | 14       |
| OBS 240209                | 3            | BOS 211175        |  | 89               | 108           | 118        | 94       | 109                                                   | 113       |              |             | 99            | 90           | 100       | 103       | 108     | 117      | 120                   | 105         | 102 | 101       | 98            | 92               | 112           | 116       | 105    | 107     | 97    | 94    | 94       |
| 97626501                  |              | OBS 150026        |  | 62               | 64            | 50         | 23       | 37                                                    | 45        |              |             | 12            | 1.16         | -0.04     | 11        | 16.8    | 3.5      | 89                    | 22.8        | 78  | -40       | 10.1          | -1.5             | -6.4          | 24.7      | 4      | 20      | 0.60  | -0.23 | -0.02    |
| OBS 24 209                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 47        | 23        | 64      | 50       | 46                    | 47          | 22  | 8         | 23            | 40               | 27            | 45        | 23     | 23      | 13    | 12    | 11       |
| OBS 240212                |              | OBS 220208        |  | 107              | 106           | 103        | 89       | 118                                                   | 115       |              |             | 104           | 106          | 101       | 110       | 106     | 103      | 102                   | 106         | 105 | 107       | 103           | 112              | 122           | 110       | 104    | 109     | 105   | 106   | 105      |
| 97626527                  |              | BC 210011         |  | 61               | 63            | 42         | 17       | 32                                                    | 41        |              |             | 14            | -0.14        | -0.08     | 18        | 15.4    | -0.6     | 48                    | 23.3        | 92  | -47       | 13.0          | -16.6            | -8.4          | 20.7      | 4      | 22      | 1.31  | 0.43  | 0.59     |
| OBS 24 212                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 45        | 17        | 63      | 42       | 41                    | 44          | 18  | 10        | 19            | 36               | 22            | 38        | 20     | 19      | 14    | 13    | 12       |
| OBS 240217                |              | BOS 188403        |  | 115              | 93            | 85         | 114      | 88                                                    | 91        |              |             | 80            | 111          | 108       | 89        | 93      | 85       | 83                    | 91          | 84  |           | 84            | 84               | 87            | 103       | 93     | 88      | 77    | 94    | 97       |
| 97626543                  |              | OBS 130231        |  | 65               | 64            | 55         | 19       | 37                                                    | 45        |              |             | 10            | -0.55        | -0.37     | -5        | 8.2     | -5.5     | 1                     | 12.0        | 13  |           | 1.7           | 5.2              | -1.4          | 16.3      | -3     | 2       | -1.42 | -0.22 | 0.13     |
| OBS 24 217                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 68           | 55        | 19        | 64      | 55       | 46                    | 46          | 19  |           | 20            | 44               | 19            | 47        | 20     | 19      | 10    | 9     | 9        |
| OBS 240221                | 1            | BOS 211175        |  | 103              | 98            | 94         | 106      | 101                                                   | 98        |              |             | 89            | 103          | 97        | 94        | 98      | 94       | 93                    | 94          | 94  | 85        | 95            | 90               | 101           | 110       | 89     | 93      | 92    | 94    | 102      |
| 97626576                  |              | OBS 180249        |  | 62               | 64            | 48         | 17       | 37                                                    | 43        |              |             | 10            | 0.07         | 0.06      | 0         | 10.8    | -3.1     | 26                    | 14.1        | 52  | -23       | 8.0           | 0.2              | -4.3          | 20.7      | -5     | 7       | 0.05  | -0.21 | 0.44     |
| OBS 24 221                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 46        | 17        | 64      | 48       | 43                    | 47          | 16  | 5         | 17            | 40               | 25            | 45        | 17     | 16      | 10    | 9     | 9        |
| OBS 240226                | 1            | OBS 220208        |  | 106              | 109           | 88         | 100      | 123                                                   | 119       |              |             | 96            | 106          | 98        | 99        | 109     | 88       | 99                    | 109         | 99  | 96        | 96            | 117              | 117           | 120       | 89     | 97      | 101   | 102   | 96       |
| 97626592                  |              | OBS 210059        |  | 62               | 63            | 46         | 21       | 35                                                    | 43        |              |             | 14            | -0.13        | 0.02      | 5         | 17.5    | -4.7     | 40                    | 26.0        | 67  | -34       | 8.6           | -20.7            | -7.5          | 27.2      | -5     | 10      | 0.95  | 0.21  | 0.06     |
| OBS 24 226                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 47        | 21        | 63      | 46       | 43                    | 47          | 22  | 10        | 23            | 39               | 24            | 41        | 23     | 22      | 14    | 13    | 13       |
| OBS 240236                | 7            | OBS 210077        |  | 100              | 105           | 98         | 104      | 101                                                   | 105       |              |             | 99            | 103          | 90        | 95        | 105     | 98       | 105                   | 105         | 103 | 90        | 100           | 110              | 87            | 108       | 99     | 106     | 99    | 99    | 107      |
| 97627756                  |              | OBS 220116        |  | 61               | 62            | 45         | 25       | 35                                                    | 43        |              |             | 14            | 0.05         | 0.35      | 1         | 15.0    | -1.9     | 53                    | 22.6        | 83  | -28       | 11.4          | -15.1            | -1.5          | 19.5      | 1      | 19      | 0.80  | 0.04  | 0.69     |
| OBS 24 236                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 65           | 46        | 25        | 62      | 45       | 44                    | 44          | 24  | 5         | 25            | 34               | 26            | 44        | 25     | 24      | 15    | 14    | 14       |
| OBS 240244                | 1            | OBS 210077        |  | 101              | 108           | 96         | 101      | 105                                                   | 108       |              |             | 103           | 104          | 87        | 97        | 108     | 96       | 105                   | 106         | 107 | 95        | 103           | 113              | 93            | 108       | 104    | 108     | 104   | 97    | 110      |
| 97627798                  |              | OBS 220132        |  | 62               | 62            | 45         | 24       | 37                                                    | 43        |              |             | 14            | -0.04        | 0.44      | 4         | 17.0    | -2.6     | 55                    | 24.0        | 99  | -34       | 12.7          | -17.6            | -2.6          | 19.7      | 4      | 21      | 1.28  | -0.10 | 0.89     |
| OBS 24 244                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 46        | 24        | 62      | 45       | 44                    | 46          | 23  | 5         | 24            | 40               | 26            | 44        | 24     | 23      | 14    | 13    | 12       |
| OBS 240250                | 1            | OBS 210077        |  | 100              | 102           | 103        | 103      | 112                                                   | 112       |              |             | 100           | 104          | 89        | 96        | 102     | 103      | 106                   | 101         | 105 | 94        | 102           | 115              | 101           | 113       | 101    | 105     | 101   | 97    | 108      |
| 97627848                  |              | OBS 220203        |  | 60               | 59            | 43         | 23       | 34                                                    | 41        |              |             | 14            | 0.04         | 0.39      | 2         | 13.5    | -0.5     | 55                    | 20.1        | 90  | -33       | 12.2          | -18.8            | -4.3          | 23.0      | 2      | 19      | 0.94  | -0.06 | 0.77     |
| OBS 24 250                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 65           | 44        | 23        | 59      | 43       | 42                    | 44          | 22  | 5         | 23            | 34               | 25            | 42        | 23     | 22      | 14    | 13    | 12       |
| OBS 240251                |              | OBS 220208        |  | 93               | 116           | 105        | 85       | 106                                                   | 107       |              |             | 108           | 95           | 98        | 115       | 116     | 105      | 112                   | 118         | 108 | 113       | 107           | 90               | 116           | 107       | 112    | 115     | 108   | 102   | 96       |
| 97627855                  |              | BC 210034         |  | 60               | 62            | 42         | 16       | 31                                                    | 40        |              |             | 12            | 0.79         | 0.04      | 25        | 21.3    | 0.0      | 70                    | 33.1        | 102 | -53       | 15.0          | 0.1              | -7.2          | 19.1      | 8      | 27      | 1.59  | 0.25  | 0.06     |
| OBS 24 251                |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 65           | 43        | 16        | 62      | 42       | 40                    | 41          | 17  | 9         | 19            | 35               | 21            | 37        | 19     | 18      | 13    | 12    | 12       |
| OBS 240256                |              | BOS 200505        |  | 105              | 99            | 92         | 106      | 112                                                   | 107       |              |             | 94            | 101          | 109       | 94        | 99      | 92       | 93                    | 92          | 99  | 91        | 90            | 116              | 106           | 107       | 84     | 93      | 98    | 89    | 94       |
| 97973663                  |              | OBS 180231        |  | 62               | 64            | 50         | 20       | 38                                                    | 44        |              |             | 13            | 0.26         | -0.41     | 0         | 11.7    | -3.7     | 26                    | 13.0        | 67  | -29       | 5.6           | -20.1            | -5.3          | 19.3      | -8     | 6       | 0.62  | -0.56 | -0.06    |
| OBS24256                  |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 47        | 20        | 64      | 50       | 45                    | 48          | 21  | 8         | 22            | 41               | 27            | 46        | 22     | 22      | 14    | 12    | 12       |
| OBS 240257                | 1            | OBS 210077        |  | 107              | 101           | 94         | 110      | 97                                                    | 103       |              |             | 97            | 109          | 89        | 92        | 101     | 94       | 98                    | 100         | 102 | 92        | 96            | 101              | 88            | 107       | 96     | 101     | 97    | 98    | 110      |
| 97973671                  |              | OBS 220025        |  | 62               | 62            | 47         | 25       | 38                                                    | 44        |              |             | 14            | -0.44        | 0.39      | -2        | 12.7    | -3.1     | 37                    | 18.7        | 79  | -30       | 9.0           | -8.3             | -1.7          | 18.8      | -1     | 15      | 0.51  | -0.03 | 0.86     |
| OBS24257                  |              |                   |  |                  |               |            |          |                                                       |           |              |             |               | 66           | 47        | 25        | 62      | 47       | 45                    | 48          | 24  | 5         | 26            | 41               | 26            | 46        | 25     | 25      | 14    | 13    | 13       |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high           |              |                          |                  |               |           |           |             |           |              | Value <80   |               | Value >120         |                    | Breeding values with an accuracy < 5% are not printed |                   |                   |                       |             |                   |                  |                  |                   |                    |                   |                   |                |                 |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-------------------------------------------------------|-------------------|-------------------|-----------------------|-------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Animal                              |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                                                       |                   |                   | Growth                |             |                   | Fertility        |                  |                   |                    | Frame             |                   | Carcass        |                 |                   |                   |                   |
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt                                             | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility  | Cow Fertility      | Longevity         | Height            | Length         | EMA             | Fat               | Marbling          |                   |
| ID Number<br>Name                   |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                                                       |                   |                   |                       |             |                   |                  |                  |                   |                    |                   |                   |                |                 |                   |                   |                   |
| OBS 240261<br>97973713<br>OBS24261  |              | BOS 200505<br>OBS 160140 | 101<br>62        | 103<br>64     | 93<br>49  | 107<br>20 | 107<br>38   | 106<br>44 |              |             | 92<br>13      | 97<br>0.60<br>66   | 111<br>-0.50<br>47 | 94<br>0<br>20                                         | 103<br>13.9<br>64 | 93<br>-3.5<br>49  | 98<br>38<br>44        |             | 98<br>17.4<br>48  | 96<br>57<br>21   | 87<br>-25<br>8   | 94<br>7.8<br>22   | 111<br>-15.9<br>40 | 104<br>-4.9<br>26 | 103<br>16.6<br>47 | 88<br>-6<br>22 | 94<br>8<br>22   | 96<br>0.45<br>14  | 88<br>-0.62<br>12 | 90<br>-0.29<br>12 |
| OBS 240265<br>97973721<br>OBS24265  |              | BOS 200505<br>OBS 180252 | 96<br>61         | 107<br>64     | 98<br>49  | 105<br>20 | 103<br>38   | 106<br>44 |              |             | 95<br>13      | 93<br>0.95<br>65   | 111<br>-0.47<br>46 | 94<br>0<br>20                                         | 107<br>15.9<br>64 | 98<br>-2.0<br>49  | 106<br>57<br>44       |             | 101<br>20.1<br>48 | 98<br>65<br>21   | 89<br>-27<br>8   | 96<br>9.0<br>22   | 104<br>-11.0<br>41 | 99<br>-3.8<br>26  | 105<br>18.0<br>46 | 89<br>-5<br>22 | 96<br>10<br>22  | 97<br>0.59<br>14  | 91<br>-0.42<br>12 | 97<br>0.12<br>12  |
| OBS 240272<br>97973754<br>OBS24272  | 3            | BOS 200505<br>OBS 180097 | 97<br>61         | 105<br>64     | 97<br>49  | 110<br>22 | 97<br>37    | 103<br>44 |              |             | 94<br>14      | 91<br>1.10<br>65   | 118<br>-0.78<br>46 | 92<br>-2<br>22                                        | 105<br>15.1<br>64 | 97<br>-2.3<br>49  | 105<br>54<br>45       |             | 102<br>20.3<br>48 | 97<br>60<br>23   | 87<br>-25<br>9   | 90<br>5.5<br>25   | 108<br>-13.5<br>40 | 77<br>0.5<br>27   | 111<br>21.9<br>45 | 86<br>-7<br>25 | 96<br>9<br>24   | 95<br>0.32<br>15  | 95<br>-0.21<br>13 | 98<br>0.16<br>13  |
| OBS 240281<br>97973812<br>OBS24281  |              | OBS 210077<br>OBS 220044 | 104<br>59        | 92<br>60      | 106<br>42 | 109<br>22 | 93<br>34    | 97<br>41  |              |             | 89<br>12      | 108<br>-0.32<br>64 | 85<br>0.53<br>42   | 92<br>-2<br>22                                        | 92<br>7.6<br>60   | 106<br>0.2<br>42  | 98<br>38<br>41        |             | 92<br>13.0<br>44  | 95<br>56<br>21   |                  | 93<br>7.4<br>21   | 102<br>-9.0<br>38  | 86<br>-1.3<br>23  | 99<br>14.2<br>41  | 97<br>-1<br>21 | 98<br>11<br>21  | 87<br>-0.40<br>13 | 95<br>-0.19<br>12 | 102<br>0.44<br>12 |
| OBS 240286<br>97974000<br>OBS24286  |              | OBS 220208<br>OBS 210011 | 100<br>62        | 111<br>63     | 105<br>46 | 88<br>22  | 110<br>35   | 111<br>43 | 102<br>23    | 106<br>39   | 109<br>20     | 103<br>0.06<br>66  | 89<br>0.39<br>47   | 110<br>19<br>22                                       | 111<br>18.4<br>63 | 105<br>-0.1<br>46 | 109<br>63<br>44       |             | 115<br>30.8<br>46 | 114<br>121<br>24 | 116<br>-56<br>20 | 100<br>10.9<br>27 | 104<br>-10.9<br>39 | 111<br>-6.2<br>25 | 109<br>20.7<br>42 | 110<br>7<br>27 | 111<br>24<br>26 | 109<br>1.77<br>21 | 117<br>1.13<br>19 | 108<br>0.76<br>19 |
| OBS 240287<br>97974018<br>OBS24287  |              | OBS 220208<br>BC 210547  | 98<br>60         | 114<br>61     | 98<br>42  | 88<br>18  | 113<br>32   | 110<br>40 |              |             | 107<br>14     | 98<br>0.47<br>65   | 98<br>0.03<br>43   | 112<br>20<br>18                                       | 114<br>20.1<br>61 | 98<br>-1.9<br>42  | 106<br>57<br>40       |             | 115<br>30.4<br>38 | 106<br>96<br>18  | 108<br>-48<br>10 | 104<br>13.6<br>19 | 105<br>-11.3<br>37 | 121<br>-8.2<br>22 | 105<br>17.8<br>38 | 107<br>5<br>20 | 112<br>25<br>19 | 105<br>1.35<br>14 | 108<br>0.59<br>13 | 104<br>0.53<br>12 |
| OBS 240292<br>97974026<br>OBS24292  | 4            | OBS 220208<br>OBS 210016 | 107<br>62        | 107<br>63     | 80<br>46  | 102<br>21 | 112<br>36   | 106<br>43 |              |             | 93<br>14      | 107<br>-0.28<br>66 | 96<br>0.10<br>47   | 98<br>4<br>21                                         | 107<br>16.4<br>63 | 80<br>-7.1<br>46  | 90<br>19<br>43        |             | 106<br>23.5<br>45 | 94<br>49<br>22   | 86<br>-23<br>10  | 91<br>6.2<br>23   | 98<br>-6.0<br>41   | 113<br>-6.7<br>25 | 115<br>24.0<br>42 | 85<br>-7<br>23 | 94<br>7<br>22   | 96<br>0.44<br>14  | 101<br>0.19<br>13 | 102<br>0.39<br>13 |
| OBS 240303<br>97974083<br>OBS24303  | 1            | OBS 220208<br>OBS 210041 | 99<br>62         | 118<br>62     | 87<br>45  | 93<br>21  | 112<br>36   | 110<br>43 |              |             | 108<br>14     | 100<br>0.33<br>66  | 95<br>0.13<br>46   | 106<br>14<br>21                                       | 118<br>22.3<br>62 | 87<br>-5.1<br>45  | 103<br>50<br>43       |             | 118<br>32.8<br>46 | 108<br>102<br>22 | 103<br>-43<br>10 | 104<br>13.4<br>24 | 97<br>-5.4<br>40   | 113<br>-6.7<br>25 | 118<br>25.7<br>42 | 97<br>-1<br>24 | 107<br>20<br>23 | 111<br>1.89<br>15 | 108<br>0.57<br>13 | 107<br>0.67<br>13 |
| OBS 240304<br>97974091<br>OBS24304  |              | OBS 220208<br>OBS 210044 | 105<br>61        | 100<br>62     | 101<br>46 | 97<br>22  | 111<br>35   | 107<br>43 | 92<br>23     | 101<br>39   | 94<br>20      | 108<br>-0.34<br>65 | 87<br>0.44<br>47   | 101<br>8<br>22                                        | 100<br>11.8<br>62 | 101<br>-1.3<br>46 | 98<br>37<br>43        |             | 103<br>21.0<br>44 | 100<br>72<br>24  | 104<br>-44<br>20 | 92<br>6.8<br>27   | 112<br>-17.1<br>39 | 106<br>-5.2<br>24 | 110<br>21.1<br>42 | 97<br>0<br>27  | 96<br>10<br>26  | 97<br>0.53<br>21  | 112<br>0.83<br>19 | 93<br>-0.13<br>19 |
| OBS 250007<br>98664840<br>OBS 25 7  | 1            | BOS 211175<br>OBS 210219 | 110<br>60        | 96<br>51      | 95<br>37  | 101<br>13 | 109<br>33   | 104<br>37 |              |             | 90<br>8       | 108<br>-0.33<br>65 | 101<br>-0.09<br>42 | 98<br>4<br>13                                         | 96<br>9.9<br>51   | 95<br>-2.9<br>37  | 91<br>20<br>34        |             | 93<br>13.9<br>38  | 96<br>58<br>12   | 90<br>-29<br>5   | 95<br>8.2<br>13   | 100<br>-7.7<br>38  | 109<br>-5.8<br>20 | 113<br>22.9<br>41 | 91<br>-4<br>13 | 92<br>6<br>12   | 93<br>0.13<br>8   | 91<br>-0.40<br>7  | 98<br>0.16<br>7   |
| OBS 250008<br>98664857<br>OBS 25 8  | 1            | OBS 210077<br>OBS 220168 | 101<br>62        | 105<br>62     | 96<br>47  | 108<br>25 | 100<br>38   | 106<br>44 |              |             | 99<br>14      | 104<br>-0.03<br>66 | 88<br>0.42<br>47   | 93<br>-1<br>25                                        | 105<br>15.2<br>62 | 96<br>-2.6<br>47  | 104<br>51<br>45       |             | 104<br>22.0<br>44 | 103<br>83<br>24  | 92<br>-31<br>5   | 97<br>9.6<br>26   | 109<br>-14.6<br>41 | 84<br>-0.9<br>27  | 110<br>21.1<br>45 | 99<br>1<br>25  | 104<br>17<br>25 | 98<br>0.68<br>14  | 97<br>-0.04<br>13 | 110<br>0.88<br>13 |
| OBS 250013<br>98664881<br>OBS 25 13 | 2            | BOS 188403<br>OBS 190019 | 111<br>65        | 103<br>67     | 73<br>56  | 103<br>21 | 93<br>43    | 87<br>48  |              |             | 92<br>10      | 107<br>-0.25<br>68 | 107<br>-0.34<br>56 | 97<br>3<br>21                                         | 103<br>13.9<br>67 | 73<br>-9.0<br>56  | 80<br>-4<br>48        |             | 97<br>16.8<br>48  | 95<br>53<br>20   | 88<br>-26<br>5   | 94<br>7.8<br>21   | 79<br>8.8<br>52    | 93<br>-2.7<br>26  | 109<br>20.5<br>50 | 95<br>-2<br>21 | 95<br>8<br>21   | 92<br>0.04<br>11  | 98<br>0.02<br>10  | 109<br>0.80<br>10 |

# Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                              |              |                          | Selection Values |               |           |           |             |           |              |             |               | Birth              |                    | Wean            |                   |                   |                       | Growth            |                  |                 | Fertility         |                    |                   |                   | Frame           |                 | Carcass           |                   |                   |
|-------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------------|------------------|-----------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR             | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height          | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |                   |                  |                 |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 250014<br>98664899<br>OBS 25 14 | 1            | BOS 211175<br>OBS 180014 | 104<br>61        | 96<br>63      | 100<br>47 | 100<br>16 | 114<br>34   | 107<br>42 |              |             | 89<br>10      | 102<br>0.15<br>65  | 103<br>-0.19<br>45 | 98<br>5<br>16   | 96<br>9.6<br>63   | 100<br>-1.5<br>47 | 94<br>29<br>42        | 93<br>13.6<br>40  | 93<br>45<br>15   | 82<br>-19<br>5  | 97<br>9.4<br>16   | 107<br>-13.2<br>37 | 111<br>-6.2<br>22 | 116<br>24.6<br>43 | 87<br>-6<br>16  | 94<br>8<br>15   | 90<br>-0.16<br>10 | 100<br>0.09<br>9  | 101<br>0.36<br>9  |
| OBS 250015<br>98664907<br>OBS 25 15 |              | BOS 188403<br>OBS 180026 | 116<br>65        | 93<br>67      | 86<br>55  | 111<br>19 | 102<br>40   | 100<br>47 |              |             | 79<br>10      | 109<br>-0.44<br>68 | 114<br>-0.61<br>55 | 91<br>-3<br>19  | 93<br>8.1<br>67   | 86<br>-5.3<br>55  | 82<br>1<br>47         | 89<br>10.3<br>46  | 81<br>4<br>19    |                 | 87<br>3.8<br>20   | 99<br>-6.9<br>49   | 95<br>-3.0<br>24  | 112<br>22.5<br>48 | 90<br>-4<br>20  | 86<br>0<br>19   | 76<br>-1.47<br>10 | 95<br>-0.17<br>9  | 95<br>0.02<br>9   |
| OBS 250017<br>98664923<br>OBS 25 17 | 2            | OBS 210077<br>OBS 220193 | 93<br>60         | 105<br>62     | 112<br>44 | 97<br>22  | 113<br>34   | 114<br>42 |              |             | 101<br>13     | 97<br>0.57<br>65   | 89<br>0.36<br>44   | 100<br>7<br>22  | 105<br>14.9<br>62 | 112<br>2.0<br>44  | 113<br>73<br>43       | 106<br>23.6<br>40 | 105<br>91<br>21  |                 | 103<br>12.8<br>22 | 115<br>-18.9<br>37 | 106<br>-5.2<br>24 | 112<br>22.2<br>42 | 103<br>3<br>22  | 108<br>21<br>22 | 101<br>0.97<br>14 | 100<br>0.11<br>12 | 108<br>0.73<br>12 |
| OBS 250022<br>98664964<br>OBS 25 22 |              | BOS 188403<br>OBS 150194 | 111<br>67        | 95<br>67      | 84<br>56  | 110<br>19 | 100<br>42   | 96<br>47  |              |             | 86<br>10      | 108<br>-0.37<br>69 | 104<br>-0.23<br>58 | 92<br>-1<br>19  | 95<br>9.4<br>67   | 84<br>-5.9<br>56  | 83<br>1<br>47         | 89<br>10.7<br>47  | 90<br>36<br>19   |                 | 89<br>4.7<br>20   | 96<br>-4.3<br>50   | 98<br>-3.7<br>25  | 107<br>19.1<br>51 | 93<br>-3<br>20  | 89<br>3<br>20   | 85<br>-0.61<br>10 | 94<br>-0.27<br>9  | 100<br>0.29<br>9  |
| OBS 250024<br>98665037<br>OBS 25 24 |              | BOS 188403<br>OBS 190026 | 101<br>65        | 105<br>66     | 91<br>54  | 97<br>19  | 90<br>42    | 89<br>46  |              |             | 99<br>10      | 100<br>0.34<br>68  | 102<br>-0.13<br>54 | 101<br>8<br>19  | 105<br>15.0<br>66 | 91<br>-3.8<br>54  | 96<br>33<br>46        | 97<br>17.1<br>46  | 101<br>78<br>19  |                 | 100<br>11.1<br>20 | 79<br>8.6<br>51    | 93<br>-2.7<br>26  | 104<br>17.1<br>49 | 107<br>5<br>20  | 104<br>17<br>20 | 95<br>0.37<br>10  | 99<br>0.08<br>9   | 112<br>1.00<br>9  |
| OBS 250031<br>98665078<br>OBS 25 31 |              | BOS 188403<br>OBS 130201 | 115<br>66        | 99<br>66      | 75<br>58  | 110<br>20 | 98<br>40    | 94<br>47  |              |             | 86<br>10      | 108<br>-0.36<br>69 | 115<br>-0.64<br>57 | 93<br>-1<br>20  | 99<br>11.4<br>66  | 75<br>-8.5<br>58  | 78<br>-9<br>48        | 95<br>14.9<br>44  | 90<br>34<br>21   |                 | 87<br>3.8<br>23   | 89<br>1.2<br>51    | 94<br>-2.9<br>22  | 111<br>21.5<br>48 | 93<br>-3<br>22  | 89<br>3<br>22   | 83<br>-0.85<br>10 | 101<br>0.18<br>9  | 108<br>0.74<br>9  |
| OBS 250032<br>98665086<br>OBS 25 32 | 4            | OBS 210077<br>OBS 220222 | 105<br>62        | 96<br>62      | 90<br>46  | 117<br>25 | 99<br>36    | 101<br>44 |              |             | 86<br>14      | 106<br>-0.13<br>66 | 97<br>0.06<br>47   | 86<br>-9<br>25  | 96<br>9.6<br>62   | 90<br>-4.2<br>46  | 91<br>21<br>44        | 95<br>15.4<br>42  | 91<br>40<br>24   | 75<br>-12<br>5  | 85<br>2.3<br>25   | 105<br>-11.6<br>38 | 81<br>-0.3<br>26  | 114<br>23.3<br>45 | 89<br>-5<br>25  | 92<br>6<br>25   | 86<br>-0.56<br>15 | 103<br>0.26<br>14 | 110<br>0.89<br>14 |
| OBS 250034<br>98738354<br>OBS 25 34 | 1            | BOS 188403<br>OBS 200092 | 117<br>65        | 96<br>67      | 70<br>53  | 117<br>23 | 101<br>40   | 96<br>47  |              |             | 79<br>10      | 111<br>-0.55<br>68 | 114<br>-0.59<br>54 | 87<br>-8<br>23  | 96<br>9.7<br>67   | 70<br>-9.8<br>53  | 73<br>-21<br>48       | 91<br>12.2<br>48  | 81<br>5<br>28    | 77<br>-14<br>5  | 82<br>0.7<br>30   | 98<br>-5.6<br>51   | 96<br>-3.4<br>23  | 109<br>20.4<br>47 | 83<br>-8<br>28  | 81<br>-5<br>27  | 77<br>-1.44<br>10 | 97<br>-0.08<br>10 | 101<br>0.37<br>9  |
| OBS 250037<br>98730682<br>OBS 25 37 |              | BOS 177663<br>PD 070242  | 73<br>66         | 139<br>69     | 94<br>59  | 74<br>34  | 96<br>42    | 96<br>51  | 133<br>24    | 99<br>46    | 134<br>31     | 75<br>2.38<br>69   | 102<br>-0.11<br>57 | 132<br>43<br>34 | 139<br>34.5<br>69 | 94<br>-3.0<br>59  | 118<br>85<br>54       | 138<br>48.1<br>53 | 140<br>218<br>43 |                 | 123<br>24.2<br>46 | 80<br>7.9<br>49    | 101<br>-4.3<br>24 | 108<br>19.6<br>54 | 122<br>14<br>46 | 136<br>47<br>45 | 148<br>5.53<br>32 | 50<br>-2.83<br>30 | 90<br>-0.26<br>29 |
| OBS 250038<br>98730690<br>OBS 25 38 |              | BOS 188403<br>OBS 170196 | 109<br>65        | 101<br>67     | 84<br>55  | 107<br>20 | 92<br>42    | 92<br>47  |              |             | 91<br>10      | 107<br>-0.25<br>68 | 104<br>-0.19<br>55 | 94<br>0<br>20   | 101<br>12.6<br>67 | 84<br>-6.0<br>55  | 88<br>14<br>47        | 94<br>14.3<br>47  | 94<br>49<br>19   |                 | 93<br>7.1<br>20   | 89<br>1.3<br>51    | 90<br>-2.0<br>26  | 104<br>17.1<br>50 | 96<br>-1<br>20  | 94<br>7<br>20   | 90<br>-0.11<br>10 | 98<br>-0.04<br>9  | 111<br>0.93<br>9  |
| OBS 250039<br>98738362<br>OBS 25 39 | 1            | BOS 211175<br>OBS 210013 | 105<br>60        | 87<br>63      | 105<br>46 | 115<br>22 | 99<br>36    | 101<br>43 | 88<br>22     | 94<br>39    | 81<br>18      | 107<br>-0.28<br>65 | 90<br>0.34<br>44   | 87<br>-8<br>22  | 87<br>4.8<br>63   | 105<br>0.1<br>46  | 95<br>30<br>44        | 89<br>10.5<br>42  | 90<br>35<br>22   | 85<br>-23<br>19 | 83<br>1.4<br>25   | 101<br>-7.9<br>41  | 89<br>-1.8<br>23  | 110<br>21.2<br>43 | 84<br>-8<br>25  | 84<br>-2<br>24  | 82<br>-0.95<br>19 | 107<br>0.54<br>18 | 101<br>0.34<br>17 |
| OBS 250052<br>98730740<br>OBS 25 52 | 4            | OBS 220208<br>OBS 140255 | 107<br>63        | 97<br>65      | 85<br>51  | 115<br>23 | 115<br>38   | 110<br>45 |              |             | 80<br>16      | 104<br>-0.01<br>67 | 105<br>-0.26<br>51 | 88<br>-6<br>23  | 97<br>10.2<br>65  | 85<br>-5.5<br>51  | 87<br>11<br>46        | 98<br>17.4<br>44  | 83<br>11<br>23   | 76<br>-12<br>11 | 79<br>-1.0<br>25  | 114<br>-18.2<br>41 | 103<br>-4.6<br>26 | 119<br>26.7<br>46 | 79<br>-11<br>25 | 83<br>-3<br>24  | 85<br>-0.67<br>17 | 109<br>0.63<br>15 | 96<br>0.06<br>15  |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high           |              |                          |                  |               |           |           |             |           |              | Value <80   |               | Value >120         |                    | Breeding values with an accuracy < 5% are not printed |                   |                   |                       |             |                   |                  |                  |                  |                   |                    |                   |                   |                |                  |                   |                   |                   |
|-------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-------------------------------------------------------|-------------------|-------------------|-----------------------|-------------|-------------------|------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|----------------|------------------|-------------------|-------------------|-------------------|
| Animal                              |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                                                       |                   |                   | Growth                |             |                   | Fertility        |                  |                  |                   | Frame              |                   | Carcass           |                |                  |                   |                   |                   |
| Index<br>EBV<br>Acc                 | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt                                             | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility | Cow Fertility     | Longevity          | Height            | Length            | EMA            | Fat              | Marbling          |                   |                   |
| ID<br>Number<br>Name                |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                                                       |                   |                   |                       |             |                   |                  |                  |                  |                   |                    |                   |                   |                |                  |                   |                   |                   |
| OBS 250054<br>98730757<br>OBS 25 54 |              | BOS 211175<br>OBS 160518 | 98<br>62         | 95<br>63      | 102<br>47 | 103<br>14 | 97<br>36    | 93<br>42  |              |             | 86<br>8       | 100<br>0.34<br>66  | 93<br>0.24<br>46   | 95<br>2<br>14                                         | 95<br>9.1<br>63   | 102<br>-1.0<br>47 | 96<br>33<br>41        |             | 91<br>11.8<br>39  | 92<br>41<br>12   |                  | 92<br>6.4<br>13  | 88<br>1.5<br>40   | 99<br>-3.8<br>22   | 106<br>18.8<br>45 | 91<br>-4<br>13    | 90<br>3<br>13  | 88<br>-0.29<br>8 | 88<br>-0.62<br>7  | 92<br>-0.14<br>7  |                   |
| OBS 250056<br>98730773<br>OBS 25 56 | 4            | OBS 220208<br>OBS 190093 | 91<br>63         | 123<br>55     | 104<br>47 | 85<br>20  | 120<br>37   | 122<br>42 |              |             | 116<br>14     | 92<br>0.98<br>67   | 97<br>0.06<br>50   | 115<br>24<br>20                                       | 123<br>25.5<br>55 | 104<br>-0.2<br>47 | 119<br>86<br>41       |             | 119<br>34.0<br>42 | 116<br>132<br>20 | 116<br>-56<br>10 |                  | 113<br>18.5<br>22 | 106<br>-12.1<br>40 | 121<br>-8.2<br>28 | 119<br>26.9<br>44 | 114<br>9<br>22 | 119<br>32<br>22  | 119<br>2.70<br>14 | 106<br>0.44<br>13 | 104<br>0.53<br>13 |
| OBS 250057<br>98730781<br>OBS 25 57 |              | OBS 220208<br>OBS 210052 | 96<br>62         | 109<br>63     | 104<br>46 | 92<br>22  | 105<br>35   | 105<br>43 | 97<br>23     | 100<br>39   | 104<br>20     | 99<br>0.42<br>66   | 90<br>0.33<br>47   | 106<br>14<br>22                                       | 109<br>17.2<br>63 | 104<br>-0.2<br>46 | 108<br>62<br>44       |             | 112<br>28.2<br>41 | 108<br>100<br>24 | 113<br>-53<br>20 |                  | 98<br>10.0<br>27  | 105<br>-11.2<br>39 | 94<br>-2.9<br>25  | 114<br>23.8<br>41 | 105<br>4<br>27 | 105<br>18<br>26  | 103<br>1.20<br>21 | 117<br>1.10<br>19 | 103<br>0.46<br>19 |
| OBS 250059<br>98730799<br>OBS 25 59 | 3            | OBS 220208<br>OBS 200127 | 102<br>62        | 110<br>63     | 84<br>45  | 102<br>21 | 108<br>36   | 105<br>43 |              |             | 96<br>14      | 103<br>0.08<br>66  | 97<br>0.08<br>47   | 97<br>4<br>21                                         | 110<br>17.6<br>63 | 84<br>-5.9<br>45  | 96<br>33<br>43        |             | 107<br>24.4<br>42 | 97<br>63<br>22   | 93<br>-31<br>10  |                  | 95<br>8.5<br>23   | 97<br>-4.8<br>40   | 104<br>-4.9<br>25 | 117<br>25.4<br>42 | 87<br>-6<br>23 | 95<br>9<br>23    | 101<br>0.92<br>14 | 102<br>0.21<br>13 | 100<br>0.29<br>13 |
| OBS 250062<br>98731359<br>OBS 25 62 |              | BOS 211175<br>OBS 190250 | 104<br>62        | 99<br>54      | 95<br>44  | 103<br>14 | 100<br>36   | 98<br>40  |              |             | 91<br>8       | 104<br>0.00<br>66  | 99<br>-0.01<br>46  | 96<br>3<br>14                                         | 99<br>11.3<br>54  | 95<br>-2.7<br>44  | 95<br>29<br>37        |             | 93<br>13.6<br>40  | 95<br>55<br>12   |                  |                  | 94<br>7.7<br>13   | 86<br>3.8<br>41    | 100<br>-4.0<br>23 | 113<br>23.1<br>45 | 91<br>-4<br>13 | 93<br>7<br>13    | 94<br>0.22<br>8   | 92<br>-0.37<br>7  | 105<br>0.57<br>7  |
| OBS 250065<br>98731383<br>OBS 25 65 | 1            | BOS 211175<br>OBS 210161 | 104<br>60        | 101<br>53     | 81<br>40  | 109<br>18 | 106<br>34   | 99<br>39  |              |             | 88<br>8       | 102<br>0.14<br>65  | 104<br>-0.20<br>44 | 93<br>-1<br>18                                        | 101<br>12.5<br>53 | 81<br>-6.7<br>40  | 86<br>9<br>37         |             | 96<br>15.8<br>42  | 92<br>42<br>24   | 86<br>-23<br>5   |                  | 88<br>4.2<br>25   | 94<br>-2.9<br>41   | 107<br>-5.5<br>21 | 111<br>21.9<br>40 | 84<br>-8<br>24 | 87<br>1<br>23    | 89<br>-0.22<br>8  | 93<br>-0.31<br>7  | 102<br>0.44<br>7  |
| OBS 250071<br>98731409<br>OBS 25 71 |              | BOS 211175<br>OBS 110203 | 98<br>61         | 106<br>62     | 86<br>50  | 90<br>12  | 112<br>31   | 98<br>41  |              |             | 99<br>8       | 99<br>0.39<br>65   | 97<br>0.08<br>48   | 110<br>18<br>12                                       | 106<br>15.7<br>62 | 86<br>-5.3<br>50  | 90<br>18<br>41        |             | 103<br>21.6<br>36 | 102<br>81<br>11  |                  |                  | 97<br>9.5<br>12   | 98<br>-5.8<br>34   | 114<br>-6.8<br>17 | 115<br>24.1<br>43 | 105<br>4<br>12 | 105<br>18<br>11  | 98<br>0.63<br>8   | 87<br>-0.64<br>7  | 87<br>-0.44<br>7  |
| OBS 250073<br>98731417<br>OBS 25 73 |              | BOS 211175<br>OBS 160076 | 100<br>62        | 93<br>63      | 98<br>48  | 111<br>14 | 107<br>35   | 103<br>42 |              |             | 80<br>8       | 102<br>0.18<br>66  | 93<br>0.23<br>47   | 91<br>-4<br>14                                        | 93<br>8.0<br>63   | 98<br>-2.0<br>48  | 93<br>25<br>42        |             | 89<br>10.7<br>40  | 86<br>21<br>12   |                  |                  | 87<br>3.7<br>13   | 102<br>-8.8<br>39  | 107<br>-5.5<br>22 | 109<br>20.5<br>45 | 84<br>-8<br>13 | 83<br>-3<br>13   | 83<br>-0.82<br>8  | 86<br>-0.68<br>7  | 90<br>-0.27<br>7  |
| OBS 250074<br>98731425<br>OBS 25 74 |              | OBS 220204<br>OBS 210012 | 107<br>58        | 99<br>60      | 91<br>46  | 112<br>21 | 101<br>33   | 103<br>41 | 89<br>21     | 96<br>37    | 91<br>17      | 106<br>-0.19<br>62 | 100<br>-0.04<br>44 | 91<br>-3<br>21                                        | 99<br>11.4<br>60  | 91<br>-4.0<br>46  | 93<br>25<br>42        |             | 98<br>17.4<br>38  | 97<br>61<br>22   | 104<br>-44<br>18 |                  | 91<br>5.9<br>24   | 97<br>-5.4<br>39   | 93<br>-2.6<br>21  | 112<br>22.4<br>40 | 98<br>0<br>24  | 91<br>5<br>23    | 90<br>-0.09<br>18 | 102<br>0.20<br>16 | 93<br>-0.13<br>16 |
| OBS 250077<br>98731458<br>OBS 25 77 | 5            | BOS 188650<br>BOS 188724 | 119<br>57        | 105<br>67     | 82<br>51  | 112<br>27 | 107<br>42   | 114<br>46 | 94<br>22     | 107<br>41   | 99<br>15      | 114<br>-0.79<br>61 | 111<br>-0.47<br>42 | 90<br>-4<br>27                                        | 105<br>15.0<br>67 | 82<br>-6.3<br>51  | 93<br>26<br>48        |             | 103<br>21.6<br>49 | 99<br>68<br>34   | 94<br>-33<br>7   |                  | 111<br>17.3<br>38 | 97<br>-4.7<br>51   | 112<br>-6.5<br>26 | 107<br>19.0<br>50 | 97<br>0<br>39  | 102<br>16<br>38  | 100<br>0.87<br>16 | 100<br>0.10<br>14 | 97<br>0.12<br>14  |
| OBS 250079<br>98731474<br>OBS 25 79 |              | OBS 200138<br>OBS 220092 | 104<br>59        | 117<br>61     | 90<br>44  | 92<br>20  | 119<br>34   | 119<br>41 |              |             | 110<br>12     | 98<br>0.54<br>64   | 119<br>-0.79<br>43 | 107<br>15<br>20                                       | 117<br>21.9<br>61 | 90<br>-4.3<br>44  | 105<br>53<br>42       |             | 112<br>28.2<br>36 | 108<br>102<br>20 |                  |                  | 100<br>11.0<br>21 | 106<br>-12.0<br>39 | 124<br>-8.9<br>21 | 115<br>24.2<br>41 | 102<br>3<br>21 | 112<br>24<br>21  | 108<br>1.61<br>13 | 105<br>0.42<br>12 | 116<br>1.23<br>12 |
| OBS 250083<br>98731508<br>OBS 25 83 |              | OBS 220208<br>OBS 210085 | 101<br>62        | 105<br>64     | 104<br>46 | 96<br>22  | 107<br>36   | 108<br>43 | 96<br>23     | 102<br>39   | 99<br>20      | 104<br>0.03<br>66  | 90<br>0.34<br>48   | 102<br>9<br>22                                        | 105<br>15.0<br>64 | 104<br>-0.2<br>46 | 106<br>57<br>44       |             | 109<br>26.0<br>41 | 104<br>88<br>24  | 107<br>-46<br>20 |                  | 96<br>8.5<br>27   | 98<br>-5.8<br>40   | 103<br>-4.6<br>25 | 116<br>24.6<br>42 | 100<br>1<br>27 | 101<br>14<br>26  | 100<br>0.87<br>21 | 118<br>1.16<br>19 | 104<br>0.51<br>19 |

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

Inbreeding in red is high

|           |            |
|-----------|------------|
| Value <80 | Value >120 |
|-----------|------------|

Breeding values with an accuracy < 5% are not printed

| Animal                                 |              |                          | Selection Values |               |          |           |             |           |              |             |               | Birth              |                    | Wean            |                   |                  |                       | Growth            |                 |                 | Fertility         |                    |                    |                   | Frame          |                 | Carcass           |                   |                   |
|----------------------------------------|--------------|--------------------------|------------------|---------------|----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|-----------------------|-------------------|-----------------|-----------------|-------------------|--------------------|--------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                    | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG             | FCR             | Scrotal Circ.     | Heifer Fertility   | Cow Fertility      | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                   |              |                          |                  |               |          |           |             |           |              |             |               |                    |                    |                 |                   |                  |                       |                   |                 |                 |                   |                    |                    |                   |                |                 |                   |                   |                   |
| OBS 250085<br>98731516<br>OBS 25 85    |              | OBS 220208<br>OBS 130185 | 107<br>62        | 106<br>53     | 77<br>47 | 104<br>17 | 112<br>34   | 104<br>40 |              |             | 91<br>12      | 105<br>-0.12<br>66 | 100<br>-0.07<br>50 | 95<br>2<br>17   | 106<br>15.6<br>53 | 77<br>-8.0<br>47 | 87<br>11<br>39        | 106<br>24.0<br>38 | 94<br>52<br>18  | 93<br>-31<br>9  | 88<br>4.5<br>20   | 106<br>-12.5<br>36 | 106<br>-5.3<br>24  | 116<br>24.5<br>42 | 84<br>-8<br>20 | 92<br>6<br>19   | 96<br>0.42<br>13  | 100<br>0.11<br>12 | 97<br>0.14<br>12  |
| OBS 250097<br>99136533<br>OBS 25 97    | 2            | OBS 200138<br>BOS 177453 | 111<br>46        | 112<br>54     | 85<br>45 | 98<br>24  | 119<br>38   | 117<br>39 |              |             | 105<br>10     | 105<br>-0.05<br>48 | 115<br>-0.65<br>39 | 101<br>8<br>24  | 112<br>18.8<br>54 | 85<br>-5.7<br>45 | 98<br>36<br>41        | 107<br>24.8<br>39 | 106<br>93<br>24 | 100<br>-39<br>6 | 96<br>8.6<br>26   | 115<br>-19.5<br>42 | 111<br>-6.4<br>26  | 117<br>25.6<br>46 | 100<br>2<br>26 | 106<br>19<br>25 | 106<br>1.48<br>11 | 95<br>-0.18<br>10 | 105<br>0.56<br>10 |
| OBS 250102<br>99136558<br>OBS 25 102   | 2            | BOS 188403<br>OBS 200148 | 109<br>65        | 108<br>66     | 75<br>54 | 104<br>23 | 107<br>41   | 102<br>47 |              |             | 98<br>11      | 106<br>-0.20<br>68 | 105<br>-0.23<br>55 | 96<br>2<br>23   | 108<br>16.5<br>66 | 75<br>-8.6<br>54 | 87<br>11<br>48        | 100<br>18.8<br>48 | 99<br>68<br>23  | 93<br>-31<br>5  | 97<br>9.5<br>24   | 97<br>-5.1<br>51   | 106<br>-5.3<br>25  | 112<br>22.2<br>48 | 99<br>1<br>24  | 100<br>13<br>23 | 95<br>0.36<br>11  | 99<br>0.07<br>11  | 112<br>0.96<br>10 |
| OBS 250106<br>99136574<br>OBS 25 106   | 5            | BOS 188403<br>OBS 200085 | 109<br>64        | 102<br>65     | 80<br>52 | 111<br>22 | 98<br>40    | 97<br>46  |              |             | 88<br>12      | 104<br>0.01<br>67  | 111<br>-0.49<br>52 | 92<br>-2<br>22  | 102<br>13.4<br>65 | 80<br>-7.1<br>52 | 87<br>11<br>46        | 99<br>18.5<br>46  | 92<br>44<br>22  | 87<br>-25<br>6  | 90<br>5.4<br>23   | 95<br>-3.6<br>49   | 93<br>-2.7<br>24   | 107<br>19.4<br>47 | 90<br>-4<br>23 | 92<br>5<br>22   | 86<br>-0.55<br>12 | 100<br>0.08<br>11 | 105<br>0.59<br>11 |
| OBS 250107<br>99136582<br>OBS 25 107   | 2            | OBS 220208<br>OBS 150156 | 103<br>64        | 109<br>64     | 94<br>51 | 94<br>26  | 117<br>39   | 112<br>46 |              |             | 100<br>16     | 103<br>0.06<br>68  | 96<br>0.10<br>52   | 102<br>12<br>26 | 109<br>17.1<br>64 | 94<br>-3.2<br>51 | 100<br>43<br>47       | 107<br>24.2<br>42 | 97<br>63<br>26  | 93<br>-32<br>11 | 96<br>8.9<br>27   | 102<br>-8.8<br>42  | 113<br>-6.7<br>30  | 123<br>28.9<br>46 | 95<br>-2<br>28 | 103<br>16<br>27 | 102<br>1.04<br>17 | 105<br>0.40<br>15 | 94<br>-0.06<br>15 |
| OBS 250109<br>99136608<br>OBS 25 109   | 2            | BOS 188403<br>OBS 200061 | 105<br>65        | 107<br>65     | 71<br>55 | 112<br>24 | 98<br>41    | 95<br>47  |              |             | 94<br>12      | 103<br>0.06<br>68  | 101<br>-0.11<br>54 | 91<br>-3<br>24  | 107<br>16.0<br>65 | 71<br>-9.6<br>55 | 85<br>6<br>48         | 100<br>18.8<br>48 | 96<br>58<br>24  | 88<br>-26<br>5  | 92<br>6.7<br>25   | 92<br>-1.2<br>49   | 95<br>-3.0<br>25   | 109<br>20.6<br>48 | 93<br>-3<br>25 | 95<br>9<br>24   | 93<br>0.13<br>12  | 100<br>0.10<br>11 | 114<br>1.11<br>10 |
| OBS 250118<br>99136640<br>OBS 25 118   | 3            | OBS 200138<br>OBS 180116 | 120<br>61        | 99<br>64      | 76<br>49 | 117<br>18 | 115<br>35   | 114<br>43 |              |             | 86<br>8       | 115<br>-0.93<br>65 | 108<br>-0.37<br>48 | 87<br>-8<br>18  | 99<br>11.6<br>64  | 76<br>-8.2<br>49 | 82<br>-1<br>44        | 94<br>14.4<br>39  | 86<br>23<br>18  | 81<br>-18<br>5  | 89<br>4.6<br>19   | 114<br>-18.8<br>39 | 103<br>-4.7<br>22  | 118<br>25.9<br>43 | 88<br>-6<br>19 | 87<br>1<br>18   | 85<br>-0.61<br>9  | 93<br>-0.31<br>8  | 90<br>-0.26<br>8  |
| OBS 250122<br>99136665<br>OBS 25 122   | 6            | OBS 200138<br>OBS 180231 | 118<br>62        | 101<br>64     | 76<br>50 | 111<br>14 | 117<br>36   | 113<br>43 |              |             | 93<br>5       | 115<br>-0.90<br>66 | 104<br>-0.20<br>49 | 92<br>-2<br>14  | 101<br>12.8<br>64 | 76<br>-8.3<br>50 | 82<br>0<br>43         | 94<br>14.4<br>40  | 97<br>60<br>15  |                 | 95<br>8.4<br>15   | 109<br>-14.5<br>40 | 119<br>-7.9<br>24  | 112<br>22.1<br>45 | 92<br>-3<br>15 | 89<br>3<br>14   | 94<br>0.25<br>5   | 87<br>-0.64<br>5  | 95<br>0.04<br>5   |
| OBS 250125<br>99136673<br>OBS 25 125   | 6            | OBS 200138<br>OBS 160140 | 121<br>62        | 103<br>64     | 74<br>49 | 109<br>14 | 112<br>36   | 110<br>43 |              |             | 93<br>5       | 118<br>-1.12<br>66 | 104<br>-0.21<br>49 | 93<br>-1<br>14  | 103<br>13.6<br>64 | 74<br>-8.7<br>49 | 82<br>-1<br>42        | 94<br>14.5<br>39  | 95<br>56<br>15  |                 | 100<br>11.3<br>15 | 103<br>-9.8<br>39  | 117<br>-7.6<br>23  | 107<br>19.3<br>45 | 98<br>0<br>15  | 92<br>6<br>14   | 94<br>0.23<br>5   | 87<br>-0.68<br>5  | 92<br>-0.16<br>5  |
| OBS 250126<br>99136681<br>OBS 25 126   | 6            | OBS 200138<br>OBS 190025 | 117<br>62        | 105<br>64     | 92<br>50 | 107<br>14 | 125<br>37   | 129<br>43 |              |             | 99<br>5       | 112<br>-0.66<br>66 | 109<br>-0.40<br>49 | 94<br>0<br>14   | 105<br>14.8<br>64 | 92<br>-3.6<br>50 | 100<br>41<br>43       | 96<br>16.0<br>40  | 100<br>73<br>15 |                 | 104<br>13.3<br>15 | 111<br>-16.1<br>41 | 134<br>-10.9<br>25 | 114<br>23.3<br>45 | 101<br>2<br>15 | 99<br>12<br>14  | 98<br>0.62<br>5   | 91<br>-0.39<br>5  | 101<br>0.35<br>5  |
| OBS 250127<br>6020086028<br>OBS 25 127 | 1            | OBS 200138<br>OBS 190170 | 102<br>61        | 116<br>64     | 84<br>49 | 99<br>14  | 125<br>35   | 121<br>42 |              |             | 106<br>6      | 98<br>0.46<br>65   | 110<br>-0.45<br>47 | 99<br>7<br>14   | 116<br>21.4<br>64 | 84<br>-6.0<br>49 | 102<br>47<br>42       | 112<br>28.0<br>39 | 106<br>95<br>15 |                 | 110<br>17.0<br>15 | 110<br>-15.2<br>40 | 131<br>-10.4<br>22 | 116<br>24.7<br>43 | 105<br>5<br>15 | 106<br>19<br>14 | 104<br>1.27<br>6  | 97<br>-0.08<br>6  | 106<br>0.61<br>6  |
| OBS 250129<br>6020086036<br>OBS 25 129 |              | OBS 200138<br>OBS 200071 | 116<br>61        | 110<br>63     | 89<br>48 | 96<br>14  | 128<br>33   | 127<br>42 |              |             | 104<br>6      | 113<br>-0.73<br>65 | 104<br>-0.23<br>46 | 103<br>10<br>14 | 110<br>17.7<br>63 | 89<br>-4.5<br>48 | 98<br>38<br>42        | 105<br>22.5<br>37 | 102<br>80<br>14 |                 | 106<br>14.8<br>15 | 119<br>-22.1<br>36 | 135<br>-11.1<br>21 | 113<br>22.9<br>41 | 102<br>3<br>14 | 104<br>17<br>14 | 101<br>0.98<br>6  | 98<br>-0.01<br>6  | 102<br>0.42<br>5  |

# Breeding Values and Accuracies: Cows

Green: >120    High  
White: 80-120 Average  
Orange: <80    Low

| Animal                                 |              |                          | Selection Values |               |          |           |             |           |              | Birth       |               | Wean               |                    |                 |                   | Growth           |                       |                   | Fertility        |                  |               |                   | Frame              |                    | Carcass           |                   |                 |                   |                   |                   |                   |
|----------------------------------------|--------------|--------------------------|------------------|---------------|----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|------------------|-----------------------|-------------------|------------------|------------------|---------------|-------------------|--------------------|--------------------|-------------------|-------------------|-----------------|-------------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                    | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ. | Heifer Fertility  | Cow Fertility      | Longevity          | Height            | Length            | EMA             | Fat               | Marbling          |                   |                   |
| ID<br>Number<br>Name                   |              |                          |                  |               |          |           |             |           |              |             |               |                    |                    |                 |                   |                  |                       |                   |                  |                  |               |                   |                    |                    |                   |                   |                 |                   |                   |                   |                   |
| OBS 250131<br>6020086044<br>OBS 25 131 | 1            | OBS 200138<br>OBS 190157 | 101<br>61        | 128<br>63     | 80<br>48 | 85<br>14  | 125<br>34   | 120<br>42 |              |             | 122<br>6      | 97<br>0.59<br>65   | 110<br>-0.47<br>47 | 117<br>27<br>14 | 128<br>28.4<br>63 | 80<br>-7.0<br>48 | 104<br>52<br>42       | 124<br>37.3<br>39 | 121<br>150<br>15 |                  |               | 125<br>25.1<br>15 | 107<br>-12.6<br>39 | 133<br>-10.6<br>21 | 117<br>25.4<br>43 | 123<br>15<br>15   | 123<br>35<br>14 | 119<br>2.73<br>6  | 96<br>-0.13<br>6  | 110<br>0.88<br>6  |                   |
| OBS 250132<br>6020086051<br>OBS 25 132 |              | OBS 200138<br>OBS 171410 | 121<br>44        | 96<br>44      | 78<br>40 | 110<br>13 | 112<br>26   | 108<br>32 |              |             | 85<br>5       | 117<br>-1.09<br>46 | 104<br>-0.22<br>37 | 92<br>-2<br>13  | 96<br>9.9<br>44   | 78<br>-7.5<br>40 | 79<br>-8<br>32        | 92<br>12.5<br>30  | 87<br>25<br>13   |                  |               | 93<br>7.4<br>14   | 105<br>-11.7<br>26 | 106<br>-5.2<br>15  | 117<br>25.4<br>37 | 95<br>-2<br>13    | 88<br>2<br>13   | 84<br>-0.71<br>5  | 82<br>-0.96<br>5  | 76<br>-1.05<br>5  |                   |
| OBS 250137<br>6020088354<br>OBS 25 137 |              | BOS 177663<br>OBS 160054 | 96<br>66         | 107<br>68     | 97<br>57 | 96<br>32  | 100<br>42   | 98<br>50  | 100<br>23    | 94<br>45    | 95<br>30      | 95<br>0.78<br>69   | 104<br>-0.20<br>57 | 102<br>10<br>32 | 107<br>16.3<br>68 | 97<br>-2.2<br>57 | 103<br>49<br>52       | 104<br>22.3<br>50 | 103<br>83<br>43  |                  |               | 100<br>11.1<br>45 | 92<br>-1.5<br>49   | 103<br>-4.7<br>25  | 104<br>17.4<br>52 | 84<br>-8<br>46    | 94<br>7<br>45   | 114<br>2.26<br>32 | 44<br>-3.14<br>29 | 74<br>-1.18<br>29 |                   |
| OBS 250139<br>6020086085<br>OBS 25 139 | 6            | OBS 200138<br>OBS 190038 | 116<br>61        | 110<br>64     | 74<br>49 | 105<br>14 | 112<br>36   | 111<br>43 |              |             | 100<br>5      | 113<br>-0.75<br>65 | 103<br>-0.15<br>48 | 95<br>2<br>14   | 110<br>18.0<br>64 | 74<br>-8.8<br>49 | 89<br>17<br>42        | 102<br>20.6<br>39 | 102<br>81<br>15  |                  |               | 107<br>14.9<br>15 | 106<br>-12.4<br>40 | 110<br>-6.1<br>24  | 113<br>22.6<br>44 | 102<br>3<br>15    | 98<br>12<br>14  | 102<br>1.03<br>5  | 88<br>-0.61<br>5  | 100<br>0.28<br>5  |                   |
| OBS 250141<br>6020086093<br>OBS 25 141 | 4            | OBS 200138<br>OBS 230042 | 113<br>61        | 103<br>61     | 83<br>45 | 113<br>25 | 112<br>36   | 114<br>43 |              |             | 93<br>14      | 109<br>-0.41<br>65 | 109<br>-0.40<br>45 | 90<br>-5<br>25  | 103<br>13.7<br>61 | 83<br>-6.1<br>45 | 92<br>22<br>44        | 97<br>17.1<br>40  | 93<br>48<br>24   | 85<br>-22<br>5   |               |                   | 101<br>11.8<br>25  | 113<br>-17.4<br>38 | 103<br>-4.6<br>27 | 114<br>23.6<br>44 | 90<br>-4<br>25  | 95<br>8<br>25     | 92<br>0.04<br>14  | 99<br>0.05<br>13  | 103<br>0.45<br>13 |
| OBS 250143<br>6020086119<br>OBS 25 143 | 6            | OBS 200138<br>OBS 190251 | 121<br>61        | 93<br>63      | 88<br>48 | 117<br>14 | 104<br>36   | 109<br>42 |              |             | 85<br>5       | 118<br>-1.13<br>65 | 104<br>-0.21<br>47 | 86<br>-9<br>14  | 93<br>8.2<br>63   | 88<br>-4.7<br>48 | 87<br>11<br>42        | 87<br>8.7<br>40   | 88<br>30<br>15   |                  |               | 94<br>7.9<br>15   | 104<br>-10.4<br>41 | 98<br>-3.8<br>23   | 109<br>20.3<br>44 | 88<br>-5<br>15    | 84<br>-2<br>14  | 86<br>-0.53<br>5  | 87<br>-0.64<br>5  | 95<br>0.04<br>5   |                   |
| OBS 250148<br>6020086143<br>OBS 25 148 |              | BOS 188403<br>OBS 160144 | 114<br>61        | 89<br>64      | 85<br>54 | 107<br>19 | 92<br>35    | 85<br>44  |              |             | 80<br>10      | 112<br>-0.65<br>64 | 100<br>-0.07<br>52 | 94<br>0<br>19   | 89<br>5.6<br>64   | 85<br>-5.5<br>54 | 76<br>-14<br>46       | 86<br>8.1<br>40   | 84<br>14<br>19   |                  |               | 86<br>3.0<br>20   | 85<br>4.6<br>41    | 85<br>-1.1<br>19   | 110<br>21.3<br>44 | 95<br>-1<br>20    | 88<br>2<br>19   | 78<br>-1.32<br>10 | 89<br>-0.53<br>9  | 84<br>-0.61<br>9  |                   |
| OBS 250157<br>6020086168<br>OBS 25 157 | 3            | BOS 188403<br>OBS 210203 | 109<br>64        | 104<br>66     | 73<br>52 | 107<br>23 | 97<br>40    | 93<br>46  |              |             | 91<br>10      | 105<br>-0.11<br>67 | 109<br>-0.40<br>53 | 94<br>0<br>23   | 104<br>14.2<br>66 | 73<br>-8.9<br>52 | 82<br>0<br>47         | 96<br>15.8<br>48  | 93<br>46<br>29   | 90<br>-28<br>5   |               |                   | 88<br>4.5<br>30    | 89<br>0.9<br>51    | 93<br>-2.7<br>23  | 111<br>21.4<br>47 | 93<br>-3<br>29  | 93<br>6<br>28     | 89<br>-0.26<br>11 | 99<br>0.02<br>10  | 109<br>0.82<br>10 |
| OBS 250194<br>6020086309<br>OBS 25 194 | 1            | OBS 220208<br>OBS 170164 | 102<br>63        | 102<br>63     | 95<br>48 | 99<br>20  | 105<br>36   | 101<br>43 |              |             | 90<br>14      | 100<br>0.38<br>67  | 106<br>-0.30<br>49 | 99<br>6<br>20   | 102<br>13.4<br>63 | 95<br>-2.8<br>48 | 97<br>35<br>44        | 103<br>21.5<br>40 | 93<br>48<br>21   | 93<br>-31<br>10  |               |                   | 92<br>6.8<br>22    | 99<br>-6.4<br>39   | 95<br>-3.0<br>26  | 118<br>25.7<br>44 | 88<br>-6<br>22  | 93<br>7<br>22     | 95<br>0.35<br>15  | 102<br>0.20<br>13 | 96<br>0.07<br>13  |
| OBS 250195<br>6020086317<br>OBS 25 195 | 1            | OBS 220208<br>OBS 200049 | 94<br>62         | 123<br>63     | 96<br>47 | 81<br>19  | 118<br>34   | 115<br>43 |              |             | 118<br>14     | 94<br>0.84<br>66   | 101<br>-0.11<br>47 | 121<br>31<br>19 | 123<br>25.7<br>63 | 96<br>-2.4<br>47 | 110<br>66<br>43       | 124<br>38.0<br>40 | 118<br>139<br>19 | 116<br>-56<br>10 |               |                   | 116<br>20.0<br>20  | 100<br>-7.6<br>38  | 124<br>-8.9<br>23 | 117<br>25.1<br>42 | 110<br>7<br>20  | 121<br>33<br>20   | 121<br>2.94<br>14 | 108<br>0.57<br>13 | 105<br>0.58<br>13 |
| OBS 250201<br>6020086333<br>OBS 25 201 | 3            | OBS 220095<br>OBS 230017 | 92<br>58         | 106<br>59     | 86<br>42 | 93<br>19  | 117<br>32   | 100<br>40 |              |             | 94<br>12      | 90<br>1.14<br>63   | 107<br>-0.34<br>42 | 106<br>13<br>19 | 106<br>15.7<br>59 | 86<br>-5.4<br>42 | 91<br>20<br>40        | 103<br>21.6<br>34 | 97<br>62<br>19   |                  |               | 85<br>2.8<br>20   | 110<br>-15.5<br>37 | 113<br>-6.8<br>19  | 116<br>24.7<br>39 | 98<br>1<br>20     | 103<br>16<br>20 | 91<br>-0.02<br>13 | 104<br>0.35<br>12 | 104<br>0.50<br>12 |                   |
| OBS 250204<br>6020086341<br>OBS 25 204 | 4            | OBS 220095<br>OBS 230035 | 92<br>58         | 104<br>60     | 92<br>42 | 99<br>20  | 117<br>33   | 104<br>40 |              |             | 92<br>13      | 90<br>1.14<br>63   | 108<br>-0.36<br>41 | 100<br>7<br>20  | 104<br>14.2<br>60 | 92<br>-3.6<br>42 | 96<br>32<br>41        | 99<br>18.2<br>35  | 94<br>52<br>20   |                  |               | 84<br>2.2<br>21   | 112<br>-16.8<br>39 | 112<br>-6.5<br>21  | 115<br>24.3<br>39 | 93<br>-2<br>21    | 98<br>12<br>20  | 90<br>-0.15<br>14 | 107<br>0.51<br>12 | 110<br>0.87<br>12 |                   |

Breeding Values and Accuracies: Cows

Green: >120    High

White: 80-120 Average

Orange: <80    Low

Inbreeding in red is high

Value <80

Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                                 |              |                          | Selection Values |               |           |           |             |           |              |             |               | Birth              |                    | Wean            |                   |                   |                       | Growth      |                   |                  | Fertility        |                   |                    |                   | Frame             |                 | Carcass         |                   |                   |                   |
|----------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-----------------|-------------------|-------------------|-----------------------|-------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Index<br>EBV<br>Acc                    | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calv Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt       | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt | ADG               | FCR              | Scrotal Circ.    | Heifer Fertility  | Cow Fertility      | Longevity         | Height            | Length          | EMA             | Fat               | Marbling          |                   |
| ID<br>Number<br>Name                   |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                 |                   |                   |                       |             |                   |                  |                  |                   |                    |                   |                   |                 |                 |                   |                   |                   |
| OBS 250207<br>6020086663<br>OBS 25 207 | 3            | OBS 220095<br>OBS 230083 | 95<br>58         | 98<br>59      | 91<br>41  | 102<br>19 | 113<br>33   | 100<br>40 |              |             | 85<br>12      | 93<br>0.89<br>63   | 107<br>-0.32<br>41 | 97<br>3<br>19   | 98<br>10.8<br>59  | 91<br>-4.0<br>41  | 89<br>17<br>40        |             | 94<br>14.2<br>34  | 89<br>33<br>19   |                  | 81<br>0.1<br>20   | 111<br>-16.4<br>39 | 108<br>-5.6<br>21 | 113<br>22.7<br>39 | 89<br>-5<br>20  | 92<br>6<br>20   | 84<br>-0.68<br>13 | 104<br>0.33<br>12 | 105<br>0.60<br>12 |
| OBS 250213<br>6020086689<br>OBS 25 213 | 1            | BOS 188403<br>OBS 210141 | 108<br>63        | 102<br>65     | 77<br>52  | 110<br>20 | 93<br>39    | 90<br>45  |              |             | 88<br>10      | 105<br>-0.04<br>66 | 107<br>-0.32<br>51 | 93<br>-1<br>20  | 102<br>13.1<br>65 | 77<br>-8.0<br>52  | 83<br>2<br>46         |             | 96<br>16.3<br>45  | 91<br>41<br>20   | 88<br>-26<br>5   | 90<br>5.3<br>21   | 85<br>4.3<br>49    | 86<br>-1.2<br>23  | 112<br>22.5<br>46 | 93<br>-3<br>21  | 91<br>5<br>21   | 87<br>-0.46<br>11 | 96<br>-0.14<br>10 | 102<br>0.42<br>9  |
| OBS 250215<br>6020086705<br>OBS 25 215 | 3            | OBS 220034<br>OBS 230010 | 80<br>57         | 119<br>57     | 92<br>43  | 86<br>24  | 102<br>34   | 93<br>40  |              |             | 110<br>10     | 82<br>1.86<br>61   | 102<br>-0.12<br>42 | 115<br>24<br>24 | 119<br>23.0<br>57 | 92<br>-3.7<br>43  | 105<br>53<br>41       |             | 114<br>30.2<br>37 | 110<br>110<br>20 | 108<br>-48<br>5  | 117<br>21.0<br>22 | 90<br>0.2<br>37    | 99<br>-3.8<br>23  | 114<br>23.5<br>41 | 112<br>8<br>22  | 114<br>26<br>21 | 107<br>1.54<br>10 | 108<br>0.58<br>9  | 115<br>1.15<br>9  |
| OBS 250216<br>6020086713<br>OBS 25 216 | 6            | OBS 220095<br>OBS 220256 | 100<br>58        | 99<br>50      | 85<br>38  | 103<br>20 | 109<br>32   | 97<br>37  |              |             | 87<br>13      | 97<br>0.55<br>63   | 107<br>-0.32<br>40 | 96<br>3<br>20   | 99<br>11.7<br>50  | 85<br>-5.7<br>38  | 86<br>10<br>36        |             | 96<br>16.2<br>34  | 90<br>36<br>20   |                  | 80<br>-0.3<br>21  | 100<br>-7.2<br>38  | 107<br>-5.5<br>20 | 114<br>23.7<br>38 | 88<br>-6<br>21  | 94<br>7<br>21   | 85<br>-0.63<br>14 | 105<br>0.40<br>12 | 107<br>0.69<br>12 |
| OBS 250220<br>6020086747<br>OBS 25 220 | 1            | OBS 220208<br>OBS 160531 | 101<br>63        | 110<br>64     | 93<br>50  | 94<br>20  | 115<br>36   | 110<br>44 |              |             | 102<br>14     | 104<br>0.03<br>67  | 91<br>0.29<br>50   | 105<br>13<br>20 | 110<br>17.8<br>64 | 93<br>-3.5<br>50  | 100<br>43<br>45       |             | 111<br>27.5<br>40 | 102<br>80<br>20  | 95<br>-34<br>9   | 103<br>12.8<br>22 | 113<br>-17.5<br>39 | 107<br>-5.4<br>26 | 116<br>24.6<br>44 | 93<br>-3<br>22  | 103<br>16<br>21 | 107<br>1.52<br>15 | 108<br>0.59<br>14 | 107<br>0.68<br>13 |
| OBS 250228<br>6020086770<br>OBS 25 228 | 3            | OBS 220095<br>OBS 230046 | 101<br>58        | 90<br>59      | 84<br>42  | 113<br>19 | 111<br>31   | 97<br>40  |              |             | 74<br>12      | 99<br>0.43<br>63   | 105<br>-0.23<br>41 | 90<br>-5<br>19  | 90<br>6.2<br>59   | 84<br>-5.9<br>42  | 78<br>-10<br>40       |             | 88<br>9.4<br>33   | 78<br>-7<br>19   |                  | 71<br>-5.4<br>20  | 113<br>-17.8<br>37 | 103<br>-4.6<br>18 | 111<br>21.7<br>39 | 79<br>-11<br>20 | 82<br>-4<br>20  | 72<br>-1.88<br>13 | 103<br>0.26<br>12 | 101<br>0.34<br>12 |
| OBS 250229<br>6020086788<br>OBS 25 229 |              | OBS 210077<br>OBS 210100 | 99<br>62         | 107<br>64     | 108<br>50 | 98<br>27  | 103<br>39   | 109<br>46 | 112<br>24    | 107<br>42   | 109<br>20     | 106<br>-0.12<br>66 | 80<br>0.72<br>49   | 99<br>6<br>27   | 107<br>16.4<br>64 | 108<br>0.7<br>50  | 113<br>72<br>47       |             | 109<br>26.0<br>44 | 117<br>133<br>28 | 110<br>-50<br>18 | 104<br>13.2<br>30 | 112<br>-16.5<br>43 | 89<br>-1.9<br>29  | 108<br>19.7<br>46 | 114<br>9<br>30  | 112<br>25<br>29 | 108<br>1.61<br>21 | 112<br>0.80<br>20 | 117<br>1.26<br>19 |
| OBS 250234<br>6020086820<br>OBS 25 234 | 7            | OBS 220095<br>OBS 230049 | 98<br>58         | 100<br>60     | 81<br>43  | 114<br>21 | 119<br>34   | 109<br>41 |              |             | 85<br>12      | 97<br>0.55<br>63   | 102<br>-0.12<br>42 | 89<br>-5<br>21  | 100<br>12.0<br>60 | 81<br>-6.7<br>43  | 87<br>10<br>41        |             | 95<br>14.9<br>36  | 90<br>34<br>21   |                  | 81<br>0.3<br>23   | 120<br>-23.4<br>39 | 113<br>-6.6<br>22 | 114<br>23.4<br>40 | 81<br>-10<br>22 | 88<br>2<br>22   | 87<br>-0.46<br>13 | 102<br>0.20<br>12 | 107<br>0.69<br>12 |
| OBS 260007<br>6020205909<br>OBS 26 7   | 6            | OBS 210077<br>OBS 230011 | 89<br>62         | 105<br>54     | 104<br>44 | 96<br>31  | 96<br>38    | 94<br>43  | 105<br>20    | 91<br>38    | 101<br>16     | 96<br>0.65<br>66   | 82<br>0.66<br>47   | 102<br>9<br>31  | 105<br>15.0<br>54 | 104<br>-0.4<br>44 | 106<br>56<br>43       |             | 104<br>21.9<br>44 | 104<br>87<br>28  | 90<br>-28<br>10  | 106<br>14.4<br>29 | 99<br>-6.5<br>42   | 86<br>-1.3<br>29  | 107<br>19.4<br>44 | 108<br>6<br>29  | 110<br>23<br>29 | 96<br>0.45<br>17  | 110<br>0.68<br>15 | 114<br>1.07<br>15 |
| OBS 260009<br>6020205917<br>OBS 26 9   | 3            | OBS 220208<br>OBS 160076 | 94<br>63         | 114<br>54     | 92<br>48  | 91<br>17  | 116<br>35   | 109<br>41 |              |             | 102<br>13     | 96<br>0.65<br>67   | 93<br>0.23<br>51   | 108<br>16<br>17 | 114<br>20.3<br>54 | 92<br>-3.5<br>48  | 104<br>51<br>40       |             | 112<br>28.4<br>40 | 104<br>87<br>18  | 104<br>-43<br>9  | 104<br>13.1<br>20 | 107<br>-12.8<br>38 | 117<br>-7.5<br>25 | 113<br>22.8<br>43 | 102<br>2<br>20  | 104<br>18<br>19 | 106<br>1.48<br>14 | 99<br>0.07<br>12  | 94<br>-0.05<br>12 |
| OBS 260015<br>6020345812<br>OBS2615    |              | OBS 210077<br>OBS 210158 | 106<br>62        | 103<br>55     | 88<br>46  | 112<br>25 | 104<br>38   | 107<br>42 |              |             | 95<br>14      | 108<br>-0.31<br>66 | 91<br>0.29<br>48   | 90<br>-4<br>25  | 103<br>13.9<br>55 | 88<br>-4.8<br>46  | 96<br>32<br>42        |             | 101<br>19.6<br>44 | 101<br>74<br>30  | 91<br>-29<br>5   | 95<br>8.4<br>31   | 114<br>-18.8<br>42 | 92<br>-2.5<br>27  | 106<br>18.4<br>44 | 95<br>-2<br>30  | 97<br>10<br>29  | 97<br>0.54<br>14  | 95<br>-0.20<br>13 | 108<br>0.75<br>12 |
| OBS 260023<br>6020345861<br>OBS2623    |              | OBS 210077<br>OBS 180252 | 100<br>63        | 101<br>55     | 101<br>50 | 109<br>23 | 94<br>39    | 100<br>43 |              |             | 93<br>12      | 104<br>0.03<br>67  | 89<br>0.38<br>50   | 92<br>-2<br>23  | 101<br>12.4<br>55 | 101<br>-1.2<br>50 | 103<br>49<br>43       |             | 98<br>17.6<br>44  | 99<br>70<br>21   |                  | 98<br>10.0<br>22  | 97<br>-5.0<br>41   | 89<br>-1.8<br>29  | 103<br>16.6<br>46 | 98<br>0<br>22   | 99<br>12<br>22  | 95<br>0.35<br>13  | 94<br>-0.22<br>12 | 106<br>0.62<br>12 |

# Breeding Values and Accuracies: Cows

Green: >120    High  
White: 80-120 Average  
Orange: <80    Low

| Inbreeding in red is high            |              |                          |                  |               |           |           |             |           |              | Value <80   |               | Value >120         |                    | Breeding values with an accuracy < 5% are not printed |                   |                   |                       |                   |                  |                  |                   |                    |                   |                   |                |                 |                   |                   |                   |
|--------------------------------------|--------------|--------------------------|------------------|---------------|-----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-------------------------------------------------------|-------------------|-------------------|-----------------------|-------------------|------------------|------------------|-------------------|--------------------|-------------------|-------------------|----------------|-----------------|-------------------|-------------------|-------------------|
| Animal                               |              |                          | Selection Values |               |           |           |             |           |              |             | Birth         |                    | Wean               |                                                       |                   |                   | Growth                |                   |                  | Fertility        |                   |                    |                   | Frame             |                | Carcass         |                   |                   |                   |
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V    | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt                                             | Wean wt           | Wean mat          | Cow-Calf Ratio (Wean) | Postwean wt       | ADG              | FCR              | Scrotal Circ.     | Heifer Fertility   | Cow Fertility     | Longevity         | Height         | Length          | EMA               | Fat               | Marbling          |
| ID<br>Number<br>Name                 |              |                          |                  |               |           |           |             |           |              |             |               |                    |                    |                                                       |                   |                   |                       |                   |                  |                  |                   |                    |                   |                   |                |                 |                   |                   |                   |
| OBS 260028<br>6020345887<br>OBS2628  | 3            | OBS 220208<br>OBS 170051 | 99<br>63         | 114<br>55     | 101<br>48 | 89<br>17  | 114<br>36   | 114<br>41 |              |             | 105<br>13     | 100<br>0.34<br>67  | 96<br>0.11<br>51   | 110<br>19<br>17                                       | 114<br>20.0<br>55 | 101<br>-1.1<br>48 | 109<br>63<br>40       | 112<br>28.1<br>41 | 107<br>98<br>18  | 107<br>-47<br>9  | 106<br>14.6<br>20 | 104<br>-10.8<br>39 | 117<br>-7.4<br>27 | 112<br>22.4<br>43 | 105<br>4<br>20 | 108<br>21<br>19 | 109<br>1.77<br>14 | 100<br>0.11<br>12 | 95<br>0.02<br>12  |
| OBS 260029<br>6020345895<br>OBS2629  | 1            | OBS 220208<br>OBS 200101 | 102<br>62        | 113<br>54     | 79<br>43  | 98<br>21  | 111<br>34   | 105<br>40 |              |             | 97<br>14      | 102<br>0.20<br>66  | 100<br>-0.06<br>47 | 101<br>8<br>21                                        | 113<br>19.8<br>54 | 79<br>-7.3<br>43  | 95<br>29<br>39        | 113<br>29.4<br>42 | 99<br>68<br>28   | 99<br>-38<br>9   | 94<br>7.8<br>30   | 99<br>-6.6<br>40   | 109<br>-5.9<br>23 | 116<br>25.0<br>40 | 91<br>-4<br>28 | 97<br>11<br>27  | 100<br>0.81<br>14 | 105<br>0.38<br>13 | 101<br>0.38<br>12 |
| OBS 260033<br>6020345911<br>OBS2633  | 3            | OBS 220034<br>OBS 140089 | 99<br>59         | 98<br>50      | 85<br>50  | 96<br>27  | 92<br>36    | 79<br>41  |              |             | 88<br>10      | 98<br>0.46<br>62   | 100<br>-0.07<br>49 | 102<br>10<br>27                                       | 98<br>10.7<br>50  | 85<br>-5.7<br>50  | 82<br>0<br>42         | 97<br>16.8<br>39  | 91<br>41<br>21   | 86<br>-24<br>5   | 102<br>12.4<br>22 | 88<br>2.0<br>38    | 85<br>-1.1<br>25  | 108<br>20.0<br>44 | 89<br>-5<br>22 | 92<br>6<br>22   | 90<br>-0.17<br>11 | 101<br>0.19<br>10 | 99<br>0.23<br>10  |
| OBS 260053<br>6020345986<br>OBS2653  | 3            | OBS 220208<br>OBS 170059 | 107<br>63        | 111<br>55     | 84<br>48  | 95<br>18  | 117<br>37   | 112<br>42 |              |             | 102<br>13     | 107<br>-0.23<br>67 | 98<br>0.04<br>50   | 104<br>11<br>18                                       | 111<br>18.5<br>55 | 84<br>-5.9<br>48  | 95<br>31<br>40        | 108<br>24.9<br>42 | 104<br>88<br>19  | 100<br>-39<br>9  | 102<br>12.0<br>20 | 110<br>-15.6<br>40 | 112<br>-6.4<br>27 | 119<br>26.3<br>43 | 95<br>-1<br>20 | 101<br>15<br>20 | 108<br>1.60<br>14 | 100<br>0.13<br>12 | 101<br>0.35<br>12 |
| OBS 260059<br>6020346018<br>OBS2659  |              | OBS 210077<br>OBS 210105 | 101<br>63        | 105<br>55     | 107<br>48 | 101<br>27 | 105<br>38   | 111<br>43 | 108<br>24    | 107<br>39   | 104<br>20     | 106<br>-0.12<br>67 | 85<br>0.56<br>49   | 97<br>3<br>27                                         | 105<br>14.8<br>55 | 107<br>0.4<br>48  | 110<br>67<br>43       | 108<br>25.4<br>44 | 112<br>115<br>27 | 107<br>-47<br>18 | 98<br>10.1<br>29  | 116<br>-20.0<br>43 | 92<br>-2.4<br>28  | 107<br>18.9<br>44 | 108<br>6<br>29 | 106<br>19<br>29 | 102<br>1.05<br>21 | 113<br>0.84<br>19 | 115<br>1.13<br>19 |
| OBS 260064<br>6020347420<br>OBS2664  |              | OBS 210077<br>OBS 210127 | 107<br>62        | 96<br>51      | 103<br>41 | 106<br>25 | 92<br>35    | 97<br>40  |              |             | 91<br>12      | 109<br>-0.37<br>66 | 91<br>0.29<br>47   | 94<br>0<br>25                                         | 96<br>9.8<br>51   | 103<br>-0.7<br>41 | 99<br>39<br>39        | 96<br>15.7<br>39  | 97<br>60<br>21   |                  | 96<br>8.9<br>22   | 107<br>-13.2<br>34 | 76<br>0.7<br>26   | 102<br>15.8<br>44 | 95<br>-2<br>22 | 96<br>10<br>22  | 95<br>0.32<br>13  | 92<br>-0.35<br>12 | 99<br>0.26<br>12  |
| OBS 260067<br>6020347438<br>OBS2667  | 5            | OBS 220095<br>OBS 230116 | 99<br>57         | 100<br>46     | 82<br>35  | 103<br>20 | 116<br>29   | 101<br>35 |              |             | 88<br>13      | 95<br>0.75<br>62   | 111<br>-0.51<br>39 | 97<br>3<br>20                                         | 100<br>12.1<br>46 | 82<br>-6.4<br>35  | 85<br>6<br>34         | 96<br>16.1<br>32  | 91<br>40<br>20   | 81<br>-19<br>5   | 85<br>2.5<br>21   | 118<br>-21.8<br>30 | 110<br>-6.0<br>19 | 112<br>21.9<br>37 | 84<br>-8<br>21 | 94<br>7<br>20   | 90<br>-0.13<br>14 | 99<br>0.04<br>12  | 100<br>0.31<br>12 |
| OBS 260069<br>6020347446<br>OBS2669  |              | OBS 210077<br>OBS 170058 | 104<br>63        | 100<br>55     | 97<br>49  | 107<br>23 | 94<br>39    | 99<br>43  |              |             | 94<br>12      | 108<br>-0.31<br>67 | 87<br>0.44<br>51   | 93<br>0<br>23                                         | 100<br>12.4<br>55 | 97<br>-2.2<br>49  | 99<br>40<br>42        | 98<br>17.5<br>44  | 99<br>69<br>21   |                  | 101<br>11.5<br>22 | 101<br>-7.9<br>41  | 79<br>0.1<br>29   | 108<br>19.8<br>46 | 97<br>0<br>22  | 98<br>12<br>22  | 98<br>0.65<br>13  | 94<br>-0.23<br>12 | 103<br>0.44<br>12 |
| OBS 260072<br>6020347453<br>OBS2672  | 3            | OBS 220211<br>OBS 180115 | 90<br>59         | 114<br>46     | 96<br>44  | 91<br>18  | 107<br>33   | 103<br>37 |              |             | 103<br>14     | 89<br>1.26<br>63   | 107<br>-0.32<br>46 | 108<br>16<br>18                                       | 114<br>20.2<br>46 | 96<br>-2.6<br>44  | 106<br>57<br>36       | 111<br>27.5<br>36 | 103<br>84<br>19  | 99<br>-38<br>9   | 101<br>11.5<br>20 | 100<br>-7.3<br>34  | 100<br>-4.1<br>25 | 116<br>24.5<br>40 | 102<br>3<br>21 | 107<br>20<br>20 | 106<br>1.45<br>14 | 105<br>0.39<br>13 | 100<br>0.30<br>13 |
| OBS 260078<br>6020347503<br>OBS2678  | 3            | OBS 220208<br>OBS 150194 | 102<br>64        | 109<br>55     | 93<br>47  | 92<br>17  | 119<br>36   | 112<br>41 |              |             | 101<br>13     | 102<br>0.16<br>68  | 98<br>0.04<br>52   | 106<br>15<br>17                                       | 109<br>17.3<br>55 | 93<br>-3.5<br>47  | 99<br>39<br>40        | 107<br>24.4<br>40 | 103<br>84<br>18  | 103<br>-42<br>9  | 101<br>11.6<br>20 | 112<br>-16.8<br>39 | 118<br>-7.8<br>26 | 114<br>23.3<br>44 | 99<br>1<br>20  | 102<br>16<br>19 | 105<br>1.39<br>14 | 99<br>0.07<br>12  | 95<br>-0.01<br>12 |
| OBS 260090<br>6020635410<br>OBS2690  |              | OBS 220204<br>OBS 190042 | 101<br>58        | 106<br>49     | 92<br>46  | 103<br>15 | 98<br>35    | 99<br>38  |              |             | 100<br>6      | 98<br>0.47<br>62   | 108<br>-0.37<br>46 | 96<br>2<br>15                                         | 106<br>15.4<br>49 | 92<br>-3.7<br>46  | 99<br>41<br>37        | 99<br>18.3<br>37  | 102<br>79<br>15  |                  | 104<br>13.3<br>16 | 80<br>8.1<br>41    | 103<br>-4.6<br>24 | 111<br>21.7<br>41 | 100<br>1<br>16 | 100<br>13<br>15 | 100<br>0.86<br>6  | 90<br>-0.45<br>6  | 102<br>0.40<br>5  |
| OBS 260102<br>6020645062<br>OBS26102 | 1            | OBS 220115<br>OBS 220030 | 94<br>55         | 108<br>41     | 84<br>40  | 101<br>14 | 99<br>28    | 92<br>33  |              |             | 95<br>6       | 91<br>1.04<br>59   | 108<br>-0.37<br>41 | 98<br>5<br>14                                         | 108<br>16.6<br>41 | 84<br>-5.9<br>40  | 94<br>29<br>32        | 104<br>22.5<br>32 | 99<br>69<br>14   |                  | 97<br>9.5<br>14   | 92<br>-1.5<br>33   | 94<br>-2.9<br>15  | 111<br>21.8<br>36 | 90<br>-4<br>14 | 89<br>3<br>13   | 94<br>0.23<br>6   | 99<br>0.05<br>5   | 95<br>0.04<br>5   |

Breeding Values and Accuracies: Cows

Green: >120 High  
White: 80-120 Average  
Orange: <80 Low

| Inbreeding in red is high            |              |                          |                  |               |          |           |             |           |              | Value <80   |               | Value >120         |                    | Breeding values with an accuracy < 5% are not printed |                   |                  |                       |                   |                 |                |                   |                   |                    |                   |                   |                 |                  |                  |                   |                  |  |
|--------------------------------------|--------------|--------------------------|------------------|---------------|----------|-----------|-------------|-----------|--------------|-------------|---------------|--------------------|--------------------|-------------------------------------------------------|-------------------|------------------|-----------------------|-------------------|-----------------|----------------|-------------------|-------------------|--------------------|-------------------|-------------------|-----------------|------------------|------------------|-------------------|------------------|--|
| Animal                               |              |                          | Selection Values |               |          |           |             |           |              |             |               | Birth              |                    | Wean                                                  |                   |                  |                       | Growth            |                 |                | Fertility         |                   |                    |                   | Frame             |                 | Carcass          |                  |                   |                  |  |
| Index<br>EBV<br>Acc                  | % Inbreeding | Sire ID<br>Dam ID        | Calv. Ease V     | Calf Growth V | Milk V   | Maint. V  | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass Value | Birth wt dir       | Birth mat          | Mature wt                                             | Wean wt           | Wean mat         | Cow-Calf Ratio (Wean) | Postwean wt       | ADG             | FCR            | Scrotal Circ.     | Heifer Fertility  | Cow Fertility      | Longevity         | Height            | Length          | EMA              | Fat              | Marbling          |                  |  |
| ID<br>Number<br>Name                 |              |                          |                  |               |          |           |             |           |              |             |               |                    |                    |                                                       |                   |                  |                       |                   |                 |                |                   |                   |                    |                   |                   |                 |                  |                  |                   |                  |  |
| OBS 260107<br>6020661531<br>OBS26107 | 6            | JAN 222010<br>OBS 230005 | 103<br>56        | 103<br>41     | 97<br>37 | 113<br>18 | 103<br>31   | 111<br>34 |              |             | 96<br>10      | 103<br>0.10<br>60  | 99<br>0.00<br>42   | 89<br>-6<br>18                                        | 103<br>13.8<br>41 | 97<br>-2.1<br>37 | 105<br>53<br>32       | 99<br>18.4<br>32  | 100<br>73<br>17 |                | 102<br>12.0<br>18 | 99<br>-6.5<br>35  | 101<br>-4.2<br>19  | 109<br>20.4<br>38 | 102<br>2<br>18    | 101<br>14<br>17 | 94<br>0.22<br>10 | 105<br>0.39<br>9 | 112<br>1.00<br>9  |                  |  |
| OBS 260120<br>6020894348<br>OBS26120 | 1            | OBS 230228<br>OBS 230216 | 115<br>55        | 103<br>46     | 76<br>36 | 112<br>13 | 102<br>29   | 102<br>34 |              |             | 92<br>6       | 110<br>-0.48<br>60 | 109<br>-0.41<br>39 | 91<br>-3<br>13                                        | 103<br>13.6<br>46 | 76<br>-8.1<br>36 | 85<br>6<br>32         | 95<br>15.2<br>34  | 95<br>54<br>13  |                | 97<br>9.2<br>14   | 94<br>-2.5<br>36  | 97<br>-3.4<br>17   | 114<br>23.7<br>34 | 94<br>-2<br>14    | 92<br>6<br>13   | 92<br>0.11<br>6  | 98<br>-0.03<br>6 | 103<br>0.46<br>6  |                  |  |
| OBS 260122<br>6020894355<br>OBS26122 |              | OBS 230228<br>OBS 230223 | 104<br>56        | 111<br>45     | 82<br>37 | 94<br>23  | 107<br>31   | 101<br>36 |              |             | 104<br>8      | 106<br>-0.14<br>60 | 93<br>0.22<br>41   | 105<br>13<br>23                                       | 111<br>18.6<br>45 | 82<br>-6.6<br>37 | 93<br>25<br>35        | 103<br>21.7<br>35 | 103<br>85<br>18 |                | 113<br>18.6<br>20 | 99<br>-7.0<br>35  | 102<br>-4.5<br>21  | 116<br>24.5<br>36 | 104<br>4<br>20    | 104<br>17<br>19 | 102<br>1.07<br>8 | 104<br>0.34<br>7 | 101<br>0.36<br>7  |                  |  |
| OBS 260129<br>6020894371<br>OBS26129 | 2            | OBS 220227<br>OBS 190093 | 100<br>58        | 108<br>49     | 97<br>45 | 104<br>16 | 101<br>35   | 107<br>38 |              |             | 99<br>8       | 99<br>0.40<br>61   | 102<br>-0.15<br>46 | 95<br>1<br>16                                         | 108<br>16.9<br>49 | 97<br>-2.3<br>45 | 107<br>59<br>37       | 102<br>20.4<br>38 | 103<br>81<br>16 |                | 104<br>13.5<br>16 | 93<br>-1.7<br>40  | 98<br>-3.6<br>24   | 112<br>22.3<br>40 | 110<br>7<br>16    | 105<br>18<br>16 | 97<br>0.53<br>8  | 97<br>-0.05<br>7 | 105<br>0.59<br>7  |                  |  |
| OBS 260130<br>6020894389<br>OBS26130 | 2            | OBS 200138<br>BOS 188724 | 117<br>58        | 109<br>54     | 85<br>46 | 100<br>22 | 119<br>36   | 120<br>41 |              |             | 99<br>14      | 114<br>-0.84<br>62 | 103<br>-0.16<br>43 | 98<br>5<br>22                                         | 109<br>17.4<br>54 | 85<br>-5.6<br>46 | 96<br>33<br>41        | 104<br>22.0<br>38 | 96<br>57<br>22  | 90<br>-28<br>5 |                   | 106<br>14.3<br>24 | 111<br>-16.1<br>41 | 124<br>-8.9<br>24 | 110<br>21.1<br>44 | 100<br>2<br>24  | 102<br>15<br>23  | 97<br>0.54<br>14 | 97<br>-0.10<br>13 | 98<br>0.20<br>12 |  |

# Selection List on Cow Value

## Bulls 2 years and older

| ID           | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value | Calf Growth Value | Milk Value | Maint. Value | Fertility Value | Cow Value | Growth Value | Prod Value |    |     |    |     |    |     |    |     |    |
|--------------|------------|------------|------------|--------------|-----------------|-----------|-------|------|----------------|--------------------|-------------------|------------|--------------|-----------------|-----------|--------------|------------|----|-----|----|-----|----|-----|----|-----|----|
| Sorted on ID |            |            |            |              |                 | nt821     | Q204X | F94L | Genomic tested | Acc                | Acc               | Acc        | Acc          | Acc             | Acc       | Acc          | Acc        |    |     |    |     |    |     |    |     |    |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
| 1            | OBS 240235 | OBS 24 235 | OBS 220208 | OBS 200071   | 0.3             | HH        | 0     | 0    | 0              |                    | 103               | 84         | 121          | 84              | 98        | 82           | 83         | 79 | 134 | 80 | 131 | 75 | 105 | 79 | 126 | 76 |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
| 1            | JAN 222010 | JAN222010  | JAN 177008 | S 166246     | 4.3             | HH        | 0     | 0    | 0              |                    | 98                | 85         | 107          | 84              | 112       | 83           | 119        | 81 | 104 | 82 | 124 | 76 | 107 | 80 | 119 | 77 |
| 2            | OBS 200138 | OBS20138   | OBS 140279 | OBS 170016   | 0.0             | PcH       | 0     | 0    | 0              |                    | 123               | 91         | 115          | 92              | 71        | 89           | 102        | 86 | 125 | 88 | 125 | 82 | 107 | 86 | 120 | 83 |
| 3            | OBS 220208 | OBS22208   | BOS 177146 | OBS 180115   | 0.6             | HH        | 0     | 0    | 0              |                    | 97                | 93         | 124          | 92              | 91        | 88           | 81         | 86 | 124 | 88 | 120 | 82 | 106 | 86 | 115 | 83 |
| 4            | OBS 230205 | OBS 23 205 | BOS 188403 | OBS 190025   | 0.0             | HH        | 1     | 0    | 0              |                    | 129               | 85         | 94           | 86              | 83        | 84           | 121        | 80 | 117 | 82 | 122 | 77 | 87  | 80 | 113 | 78 |
| 5            | OBS 240069 | OBS 24 69  | OBS 200138 | PD 070242    | 0.0             | PcH       | 0     | 0    | 0              |                    | 103               | 84         | 119          | 85              | 98        | 83           | 92         | 80 | 115 | 81 | 121 | 76 | 120 | 80 | 119 | 77 |
| 6            | OBS 240081 | OBS 24 81  | BOS 199260 | BC 170547    | 0.0             |           |       |      |                |                    | 109               | 62         | 107          | 66              | 88        | 50           | 96         | 26 | 130 | 40 | 121 | 46 |     |    |     |    |
| 7            | OBS 240169 | OBS 24 169 | OBS 220208 | OBS 210105   | 0.0             | HH        | 0     | 0    | 0              |                    | 96                | 84         | 124          | 85              | 110       | 82           | 82         | 79 | 120 | 81 | 127 | 75 | 118 | 80 | 124 | 76 |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
|              |            |            |            |              |                 |           |       |      |                |                    |                   |            |              |                 |           |              |            |    |     |    |     |    |     |    |     |    |
| 1            | OBS 230039 | OBS 23 39  | OBS 190044 | OBS 200025   | 4.1             |           |       |      |                |                    | 111               | 60         | 104          | 63              | 79        | 47           | 110        | 14 | 114 | 33 | 110 | 41 |     |    |     |    |
| 2            | OBS 230057 | OBS 230057 | OBS 190044 | OBS 200037   | 12.5            |           |       |      |                |                    | 110               | 60         | 106          | 49              | 83        | 43           | 105        | 18 | 111 | 32 | 110 | 38 |     |    |     |    |
| 3            | OBS 230140 | OBS 23 140 | BOS 199260 | OBS 180249   | 1.3             |           |       |      |                |                    | 102               | 62         | 113          | 65              | 79        | 50           | 98         | 24 | 118 | 41 | 110 | 46 |     |    |     |    |
| 4            | OBS 230228 | OBS 23 228 | OBS 200138 | OBS 170058   | 6.3             | PcH       | 0     | 0    | 0              |                    | 121               | 85         | 111          | 85              | 76        | 82           | 104        | 80 | 115 | 81 | 117 | 76 | 103 | 80 | 112 | 77 |
| 5            | OBS 230275 | OBS23275   | BOS 188403 | OBS 200030   | 1.1             | HH        | 1     | 0    | 0              |                    | 104               | 85         | 112          | 85              | 81        | 83           | 112        | 80 | 106 | 82 | 110 | 76 | 102 | 80 | 105 | 77 |
| 6            | OBS 240014 | OBS 24 14  | BOS 199260 | OBS 190026   | 0.0             |           |       |      |                |                    | 104               | 61         | 106          | 54              | 92        | 47           | 98         | 22 | 120 | 40 | 114 | 42 |     |    |     |    |
| 7            | OBS 240033 | OBS 24 33  | BOS 199260 | OBS 190250   | 0.0             |           |       |      |                |                    | 116               | 62         | 102          | 55              | 82        | 47           | 103        | 22 | 120 | 41 | 113 | 42 |     |    |     |    |
| 8            | OBS 240049 | OBS 24 49  | BOS 199260 | OBS 190019   | 0.7             |           |       |      |                |                    | 116               | 62         | 107          | 65              | 70        | 51           | 100        | 23 | 122 | 41 | 110 | 46 |     |    |     |    |
| 9            | OBS 240082 | OBS 24 82  | BOS 199260 | OBS 160129   | 0.0             |           |       |      |                |                    | 105               | 61         | 103          | 64              | 84        | 51           | 101        | 21 | 121 | 37 | 110 | 44 |     |    |     |    |
| 10           | OBS 240096 | OBS 24 96  | OBS 200138 | OBS 170116   | 1.5             | PcH       | 0     | 0    | 0              |                    | 122               | 85         | 108          | 85              | 65        | 83           | 107        | 80 | 126 | 82 | 118 | 76 | 97  | 80 | 112 | 77 |
| 11           | OBS 240098 | OBS 24 98  | OBS 200138 | OBS 170147   | 4.6             | PcH       | 0     | 0    | 0              |                    | 110               | 85         | 102          | 84              | 80        | 83           | 120        | 80 | 112 | 82 | 114 | 76 | 93  | 80 | 107 | 77 |
| 12           | OBS 240120 | OBS24120   | BOS 200505 | OBS 200109   | 2.5             |           |       |      |                |                    | 103               | 59         | 100          | 61              | 87        | 44           | 118        | 24 | 111 | 37 | 111 | 42 |     |    |     |    |
| 13           | OBS 240124 | OBS 24 124 | BOS 200505 | OBS 180196   | 2.1             | PcH       | 1     | 0    | 0              |                    | 86                | 85         | 117          | 85              | 93        | 83           | 101        | 81 | 119 | 82 | 116 | 76 | 105 | 80 | 112 | 77 |
| 14           | OBS 240131 | OBS 24 131 | BOS 200505 | OBS 200025   | 1.5             |           |       |      |                |                    | 96                | 60         | 107          | 62              | 91        | 46           | 110        | 20 | 115 | 35 | 114 | 42 |     |    |     |    |
| 15           | OBS 240137 | OBS 24 137 | OBS 210077 | OBS 220073   | 1.0             | HH        | 0     | 0    | 0              |                    | 110               | 85         | 106          | 85              | 96        | 83           | 99         | 81 | 116 | 81 | 116 | 76 | 106 | 80 | 112 | 77 |
| 16           | OBS 240152 | OBS 24 152 | BOS 199260 | OBS 200049   | 2.3             | PcH       | 1     | 0    | 0              |                    | 105               | 84         | 109          | 85              | 80        | 82           | 90         | 80 | 133 | 81 | 115 | 76 | 99  | 80 | 110 | 77 |
| 17           | OBS 240160 | OBS 24 160 | OBS 220208 | OBS 200086   | 2.8             | HH        | 0     | 0    | 0              |                    | 114               | 84         | 99           | 84              | 94        | 82           | 101        | 79 | 116 | 80 | 113 | 75 | 81  | 79 | 104 | 76 |
| 18           | OBS 240179 | OBS 24 179 | OBS 210077 | OBS 220019   | 1.8             | HH        | 1     | 0    | 0              |                    | 116               | 85         | 97           | 84              | 95        | 82           | 115        | 81 | 106 | 82 | 114 | 76 | 96  | 80 | 108 | 77 |

Selection List on Cow Value

Bulls 2 years and older

| ID           |            |            | Name       | Sire ID    | Dam ID | % Inbreeding | Myostatin       |       |       |      |                | Calving Ease Value | Calf Growth Value | Milk Value | Maint. Value | Fertility Value | Cow Value | Growth Value | Prod Value |     |    |     |    |     |    |     |    |  |
|--------------|------------|------------|------------|------------|--------|--------------|-----------------|-------|-------|------|----------------|--------------------|-------------------|------------|--------------|-----------------|-----------|--------------|------------|-----|----|-----|----|-----|----|-----|----|--|
| Sorted on ID |            |            |            |            |        |              | Horned / Polled | nt821 | Q204X | F94L | Genomic tested | Acc                | Acc               | Acc        | Acc          | Acc             | Acc       | Acc          | Acc        |     |    |     |    |     |    |     |    |  |
|              |            |            |            |            |        |              |                 |       |       |      |                | ★★★★★              |                   |            |              |                 |           |              |            |     |    |     |    |     |    |     |    |  |
| 19           | OBS 240189 | OBS 24 189 | BOS 200505 | OBS 170163 | 3.4    |              |                 |       |       |      |                | 100                | 62                | 102        | 64           | 91              | 50        | 113          | 23         | 111 | 38 | 110 | 45 |     |    |     |    |  |
| 20           | OBS 240216 | OBS 24 216 | OBS 220208 | OBS 200030 | 0.8    |              |                 |       |       |      |                | 103                | 62                | 109        | 61           | 97              | 45        | 94           | 17         | 120 | 32 | 117 | 41 |     |    |     |    |  |
| 21           | OBS 240224 | OBS 24 224 | OBS 220208 | OBS 210021 | 0.0    |              |                 |       |       |      |                | 105                | 62                | 104        | 64           | 101             | 47        | 93           | 22         | 120 | 35 | 115 | 43 | 97  | 23 | 109 | 39 |  |
| 22           | OBS 240227 | OBS 24 227 | BOS 200505 | OBS 190163 | 3.5    |              |                 |       |       |      |                | 91                 | 61                | 110        | 63           | 100             | 49        | 97           | 22         | 119 | 36 | 115 | 44 |     |    |     |    |  |
| 23           | OBS 240232 | OBS 24 232 | OBS 220208 | OBS 210100 | 1.8    |              |                 |       |       |      |                | 100                | 63                | 118        | 64           | 98              | 47        | 88           | 23         | 116 | 37 | 117 | 44 | 107 | 24 | 113 | 40 |  |
| 24           | OBS 240277 | OBS24277   | BOS 211175 | OBS 170016 | 0.0    |              |                 |       |       |      |                | 109                | 63                | 101        | 65           | 97              | 49        | 99           | 14         | 114 | 36 | 112 | 43 |     |    |     |    |  |
| 25           | OBS 240293 | OBS24293   | BOS 200505 | OBS 190244 | 0.0    |              |                 |       |       |      |                | 99                 | 61                | 108        | 63           | 97              | 49        | 104          | 20         | 109 | 38 | 112 | 44 |     |    |     |    |  |
|              |            |            |            |            |        |              |                 |       |       |      |                | ★★★★☆              |                   |            |              |                 |           |              |            |     |    |     |    |     |    |     |    |  |
| 1            | BOS 244004 | BOS244004  | S 177023   | BOS 177453 | 3.2    | HH           | 1               | 0     | 0     | 🔍    |                | 77                 | 85                | 120        | 86           | 102             | 85        | 82           | 82         | 111 | 84 | 103 | 77 | 109 | 82 | 100 | 78 |  |
| 2            | BOS 244092 | BOS244092  | BOS 177085 | BOS 188724 | 4.4    | PcH          | 1               | 0     | 0     | 🔍    |                | 82                 | 83                | 117        | 84           | 102             | 83        | 86           | 81         | 113 | 82 | 107 | 76 | 103 | 80 | 103 | 77 |  |
| 3            | OBS 210077 | OBS2177    | BOS 066337 | PD 070242  | 0.0    | HH           | 1               | 0     | 0     | 🔍    |                | 99                 | 93                | 103        | 92           | 110             | 89        | 101          | 87         | 98  | 88 | 105 | 82 | 115 | 86 | 103 | 83 |  |
| 4            | OBS 220095 | OBS 22 95  | BOS 166109 | OBS 180196 | 0.9    | PcH          | 0               | 0     | 0     | 🔍    |                | 86                 | 88                | 100        | 88           | 89              | 84        | 97           | 82         | 126 | 83 | 102 | 78 | 91  | 81 | 96  | 79 |  |
| 5            | OBS 220204 | OBS22204   | OBS 140279 | OBS 170195 | 2.9    | HH           | 1               | 0     | 0     | 🔍    |                | 102                | 86                | 113        | 86           | 71              | 85        | 104          | 82         | 116 | 83 | 107 | 77 | 97  | 82 | 102 | 78 |  |
| 6            | OBS 220211 | OBS 220211 | BOS 177146 | OBS 160006 | 0.0    | HH           | 0               | 0     | 0     | 🔍    |                | 92                 | 86                | 116        | 85           | 93              | 85        | 85           | 82         | 119 | 83 | 109 | 77 | 100 | 82 | 104 | 78 |  |
| 7            | OBS 220228 | OBS22228   | OBS 190207 | OBS 190283 | 0.0    |              |                 |       |       |      |                | 97                 | 59                | 110        | 61           | 107             | 45        | 89           | 8          | 103 | 31 | 106 | 39 |     |    |     |    |  |
| 8            | OBS 230040 | OBS 23 40  | OBS 140279 | BC 160045  | 0.0    |              |                 |       |       |      |                | 116                | 64                | 91         | 67           | 77              | 57        | 119          | 26         | 104 | 42 | 100 | 48 |     |    |     |    |  |
| 9            | OBS 230064 | OBS2364    | BOS 177146 | OBS 140041 | 2.0    |              |                 |       |       |      |                | 101                | 65                | 110        | 69           | 83              | 62        | 92           | 37         | 120 | 51 | 108 | 53 | 92  | 30 | 101 | 48 |  |
| 10           | OBS 230172 | OBS 23 172 | BOS 188403 | OBS 180014 | 3.9    | HH           | 1               | 0     | 0     | 🔍    |                | 109                | 86                | 106        | 86           | 86              | 84        | 90           | 81         | 110 | 82 | 100 | 77 | 104 | 80 | 97  | 78 |  |
| 11           | OBS 240008 | OBS 24 8   | BOS 211175 | OBS 210203 | 1.2    |              |                 |       |       |      |                | 104                | 60                | 101        | 53           | 85              | 42        | 104          | 18         | 110 | 34 | 102 | 39 |     |    |     |    |  |
| 12           | OBS 240025 | OBS 24 25  | V8 200394  | OBS 170195 | 1.8    |              |                 |       |       |      |                | 112                | 63                | 102        | 55           | 79              | 49        | 99           | 25         | 112 | 35 | 102 | 42 |     |    |     |    |  |
| 13           | OBS 240040 | OBS 24 40  | BOS 199260 | OBS 140089 | 1.2    |              |                 |       |       |      |                | 117                | 62                | 98         | 63           | 71              | 52        | 102          | 26         | 117 | 39 | 103 | 45 |     |    |     |    |  |
| 14           | OBS 240048 | OBS 24 48  | OBS 210077 | OBS 200085 | 1.8    |              |                 |       |       |      |                | 102                | 62                | 106        | 63           | 96              | 46        | 104          | 24         | 107 | 38 | 109 | 44 |     |    |     |    |  |
| 15           | OBS 240052 | OBS 24 52  | V8 200394  | OBS 160076 | 0.0    |              |                 |       |       |      |                | 109                | 64                | 99         | 65           | 90              | 50        | 104          | 23         | 110 | 37 | 106 | 45 |     |    |     |    |  |
| 16           | OBS 240058 | OBS 24 58  | BOS 211175 | OBS 210138 | 0.8    |              |                 |       |       |      |                | 100                | 60                | 101        | 53           | 90              | 42        | 107          | 18         | 109 | 35 | 104 | 39 |     |    |     |    |  |
| 17           | OBS 240088 | OBS 24 88  | BOS 211175 | OBS 210146 | 0.8    |              |                 |       |       |      |                | 102                | 60                | 101        | 52           | 89              | 39        | 104          | 18         | 106 | 35 | 101 | 38 |     |    |     |    |  |
| 18           | OBS 240106 | OBS 24 106 | BOS 199077 | OBS 200148 | 2.5    |              |                 |       |       |      |                | 109                | 62                | 106        | 62           | 77              | 44        | 105          | 21         | 113 | 36 | 107 | 43 |     |    |     |    |  |
| 19           | OBS 240125 | OBS 24 125 | BOS 200505 | OBS 190042 | 0.0    | PcH          | 1               | 0     | 0     | 🔍    |                | 97                 | 84                | 116        | 85           | 105             | 82        | 92           | 80         | 100 | 81 | 108 | 76 | 116 | 80 | 106 | 77 |  |
| 20           | OBS 240142 | OBS 24 142 | BOS 200505 | OBS 190251 | 0.0    |              |                 |       |       |      |                | 101                | 61                | 96         | 63           | 105             | 48        | 113          | 20         | 99  | 38 | 105 | 43 |     |    |     |    |  |
| 21           | OBS 240170 | OBS 24 170 | BOS 200505 | OBS 171410 | 0.0    |              |                 |       |       |      |                | 112                | 54                | 87         | 57           | 98              | 41        | 115          | 19         | 107 | 29 | 106 | 38 |     |    |     |    |  |
| 22           | OBS 240185 | OBS 24 185 | BOS 211175 | OBS 150156 | 3.1    | PcH          | 0               | 0     | 0     | 🔍    |                | 96                 | 85                | 106        | 84           | 90              | 83        | 98           | 81         | 107 | 82 | 100 | 76 | 100 | 80 | 95  | 77 |  |

Selection List on Cow Value

Bulls 2 years and older

| ID<br><div>Sorted on ID</div> |            |            | Name       | Sire ID    | Dam ID | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |  |  |
|-------------------------------|------------|------------|------------|------------|--------|--------------|-----------------|-----------|-------|------|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|--|--|
|                               |            |            |            |            |        |              |                 | nt821     | Q204X | F94L | Genomic tested | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |  |  |
| 23                            | OBS 240190 | OBS 24 190 | OBS 210077 | OBS 220018 | 0.9    |              |                 |           |       |      |                | 109 61                    | 95 62                    | 95 45             | 113 25              | 106 37                 | 107 43           |                     |                   |  |  |  |
| 24                            | OBS 240198 | OBS 24 198 | BOS 188403 | OBS 190170 | 1.1    | PcH          |                 | 0         | 0     | 0    | 🇬🇪             | 92 85                     | 120 86                   | 82 83             | 99 80               | 108 82                 | 107 76           | 106 80              | 103 77            |  |  |  |
| 25                            | OBS 240201 | OBS 24 201 | BOS 211175 | OBS 160077 | 1.3    |              |                 |           |       |      |                | 98 62                     | 105 55                   | 92 48             | 100 18              | 105 38                 | 100 42           |                     |                   |  |  |  |
| 26                            | OBS 240202 | OBS 24 202 | BOS 177663 | OBS 190157 | 0.0    | HH           |                 | 1         | 0     | 0    | 🇬🇪             | 75 85                     | 135 85                   | 97 83             | 73 81               | 108 82                 | 105 76           | 121 80              | 105 77            |  |  |  |
| 27                            | OBS 240219 | OBS 24 219 | OBS 210077 | OBS 220022 | 0.9    |              |                 |           |       |      |                | 108 62                    | 97 63                    | 90 47             | 116 26              | 106 38                 | 107 44           |                     |                   |  |  |  |
| 28                            | OBS 240231 | OBS 24 231 | BOS 200505 | OBS 170247 | 3.4    |              |                 |           |       |      |                | 103 61                    | 103 64                   | 88 48             | 110 22              | 103 37                 | 103 44           |                     |                   |  |  |  |
| 29                            | OBS 240233 | OBS 24 233 | BOS 199260 | OBS 170164 | 3.4    |              |                 |           |       |      |                | 105 62                    | 96 65                    | 84 50             | 111 24              | 113 40                 | 104 45           |                     |                   |  |  |  |
| 30                            | OBS 240245 | OBS 24 245 | BOS 200505 | OBS 180229 | 0.0    |              |                 |           |       |      |                | 101 61                    | 99 64                    | 100 49            | 112 20              | 104 37                 | 107 44           |                     |                   |  |  |  |
| 31                            | OBS 240258 | OBS24258   | OBS 210077 | OBS 220134 | 0.5    |              |                 |           |       |      |                | 102 60                    | 101 62                   | 104 45            | 100 23              | 100 33                 | 103 42           |                     |                   |  |  |  |
| 32                            | OBS 240259 | OBS24259   | OBS 210077 | OBS 190053 | 0.9    |              |                 |           |       |      |                | 109 62                    | 96 64                    | 94 49             | 116 25              | 105 38                 | 109 45           |                     |                   |  |  |  |
| 33                            | OBS 240274 | OBS24274   | OBS 210077 | OBS 220139 | 0.5    |              |                 |           |       |      |                | 103 61                    | 105 62                   | 99 45             | 99 23               | 102 35                 | 104 43           |                     |                   |  |  |  |
| 34                            | OBS 240276 | OBS24276   | BOS 200505 | OBS 190051 | 0.0    |              |                 |           |       |      |                | 98 61                     | 105 63                   | 100 48            | 101 20              | 98 38                  | 101 43           |                     |                   |  |  |  |
| 35                            | OBS 240280 | OBS24280   | BOS 211175 | OBS 180132 | 0.0    | PcH          |                 | 0         | 0     | 0    | 🇬🇪             | 103 83                    | 105 84                   | 91 81             | 103 79              | 107 80                 | 106 75           | 101 79              | 101 76            |  |  |  |
| 36                            | OBS 240283 | OBS24283   | OBS 210077 | OBS 220056 | 0.5    |              |                 |           |       |      |                | 103 62                    | 112 63                   | 88 46             | 101 25              | 103 38                 | 106 44           |                     |                   |  |  |  |
| 37                            | OBS 240284 | OBS24284   | BOS 200505 | OBS 170058 | 0.0    | HH           |                 | 1         | 0     | 0    | 🇬🇪             | 94 84                     | 105 85                   | 106 82            | 102 80              | 103 81                 | 107 76           | 95 80               | 101 77            |  |  |  |
| 38                            | OBS 240285 | OBS24285   | BOS 211175 | OBS 190282 | 0.0    |              |                 |           |       |      |                | 101 61                    | 103 63                   | 95 46             | 97 15               | 107 36                 | 102 42           |                     |                   |  |  |  |
| 39                            | OBS 240298 | OBS24298   | OBS 210077 | OBS 220030 | 0.9    | HH           |                 | 1         | 0     | 0    | 🇬🇪             | 112 85                    | 103 85                   | 78 83             | 114 81              | 97 82                  | 100 76           | 96 80               | 95 77             |  |  |  |
| 40                            | OBS 240299 | OBS24299   | OBS 220208 | OBS 210527 | 0.0    |              |                 |           |       |      |                | 98 56                     | 110 57                   | 103 40            | 86 16               | 109 27                 | 105 37           |                     |                   |  |  |  |
| 41                            | OBS 240301 | OBS24301   | BOS 211175 | OBS 160531 | 0.5    |              |                 |           |       |      |                | 105 62                    | 98 64                    | 92 49             | 103 17              | 106 36                 | 101 43           |                     |                   |  |  |  |
| 42                            | OBS 240308 | OBS24308   | BOS 200505 | OBS 160131 | 0.0    |              |                 |           |       |      |                | 81 57                     | 100 60                   | 113 47            | 104 19              | 104 30                 | 102 40           |                     |                   |  |  |  |
|                               |            |            |            |            |        |              |                 |           |       |      |                | ★★★★                      |                          |                   |                     |                        |                  |                     |                   |  |  |  |
| 1                             | COR 230104 | 23/104     | BOS 155035 | BOS 199331 | 4.3    |              |                 |           |       |      |                | 78 64                     | 115 67                   | 103 56            | 78 34               | 109 45                 | 96 50            | 102 24              | 92 45             |  |  |  |
| 2                             | JAN 222117 | JAN 222117 | BOS 144174 | BOS 100179 | 10.3   | HH           |                 | 1         | 0     | 0    | 🇬🇪             | 103 89                    | 120 89                   | 77 88             | 88 86               | 102 87                 | 98 80            | 113 86              | 96 81             |  |  |  |
| 3                             | OBS 220115 | OBS 22 115 | OBS 190129 | OBS 100406 | 0.0    | HH           |                 | 0         | 0     | 0    | 🇬🇪             | 76 82                     | 126 81                   | 93 80             | 83 77               | 95 79                  | 90 73            | 115 77              | 90 74             |  |  |  |
| 4                             | OBS 220178 | OBS22178   | OBS 190207 | OBS 190258 | 0.0    |              |                 |           |       |      |                | 106 60                    | 93 62                    | 98 48             | 105 9               | 102 34                 | 98 41            |                     |                   |  |  |  |
| 5                             | OBS 220227 | OBS22227   | BOS 188403 | OBS 170247 | 3.6    | HH           |                 | 0         | 0     | 0    | 🇬🇪             | 118 86                    | 94 86                    | 76 84             | 122 82              | 88 83                  | 91 77            | 90 82               | 86 78             |  |  |  |
| 6                             | OBS 230054 | OBS2354    | BOS 122346 | BOS 100308 | 2.2    |              |                 |           |       |      |                | 78 67                     | 125 70                   | 88 63             | 78 48               | 104 53                 | 92 56            | 113 27              | 91 50             |  |  |  |
| 7                             | OBS 230067 | OBS2367    | BOS 188403 | BC 170547  | 0.0    |              |                 |           |       |      |                | 110 66                    | 103 68                   | 87 56             | 95 24               | 101 42                 | 96 48            |                     |                   |  |  |  |
| 8                             | OBS 230070 | OBS2370    | BOS 188403 | PD 080151  | 0.0    | HH           |                 | 0         | 0     | 0    | 🇬🇪             | 112 86                    | 111 86                   | 69 84             | 97 81               | 97 83                  | 91 77            | 95 80               | 86 78             |  |  |  |
| 9                             | OBS 230073 | OBS2373    | BOS 122346 | OBS 130109 | 0.0    | HH           |                 | 1         | 0     | 0    | 🇬🇪             | 102 86                    | 118 86                   | 70 85             | 87 83               | 105 83                 | 94 78            | 108 82              | 91 79             |  |  |  |

Selection List on Cow Value

Bulls 2 years and older

| ID<br><div>Sorted on ID</div> |            |            | Name       | Sire ID    | Dam ID | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value<br><div>Acc</div> | Calf Growth Value<br><div>Acc</div> | Milk Value<br><div>Acc</div> | Maint. Value<br><div>Acc</div> | Fertility Value<br><div>Acc</div> | Cow Value<br><div>Acc</div> | Growth Value<br><div>Acc</div> | Prod Value<br><div>Acc</div> |  |  |  |
|-------------------------------|------------|------------|------------|------------|--------|--------------|-----------------|-----------|-------|------|----------------|--------------------------------------|-------------------------------------|------------------------------|--------------------------------|-----------------------------------|-----------------------------|--------------------------------|------------------------------|--|--|--|
|                               |            |            |            |            |        |              |                 | nt821     | Q204X | F94L | Genomic tested | ★★★★                                 |                                     |                              |                                |                                   |                             |                                |                              |  |  |  |
| 10                            | OBS 230079 | OBS2379    | BOS 188403 | PD 070242  | 0.0    | HH           | 1               | 0         | 0     |      | 102 86         | 99 87                                | 94 85                               | 96 81                        | 102 83                         | 94 77                             | 102 80                      | 90 78                          |                              |  |  |  |
| 11                            | OBS 230082 | OBS2382    | BOS 188403 | BC 170024  | 0.0    |              |                 |           |       |      | 109 62         | 92 65                                | 103 55                              | 97 19                        | 97 36                          | 94 45                             |                             |                                |                              |  |  |  |
| 12                            | OBS 230096 | OBS 23 96  | BOS 188403 | OBS 130230 | 0.0    | HH           | 0               | 0         | 0     |      | 117 86         | 99 86                                | 85 84                               | 102 81                       | 93 82                          | 93 77                             | 103 80                      | 90 78                          |                              |  |  |  |
| 13                            | OBS 230103 | OBS 23 103 | OBS 190129 | OBS 150252 | 0.8    |              |                 |           |       |      | 78 60          | 125 63                               | 93 49                               | 82 22                        | 105 36                         | 98 43                             |                             |                                |                              |  |  |  |
| 14                            | OBS 230111 | OBS 23 111 | BOS 188403 | OBS 170116 | 3.6    | HH           | 0               | 0         | 0     |      | 111 86         | 100 86                               | 75 84                               | 103 82                       | 99 83                          | 90 77                             | 84 82                       | 83 78                          |                              |  |  |  |
| 15                            | OBS 230147 | OBS 23 147 | BOS 188403 | BC 160520  | 0.0    |              |                 |           |       |      | 114 65         | 90 65                                | 85 55                               | 111 24                       | 94 39                          | 90 47                             |                             |                                |                              |  |  |  |
| 16                            | OBS 230163 | OBS 23 163 | BOS 122346 | OBS 160077 | 0.9    | HH           | 0               | 0         | 0     |      | 69 87          | 126 87                               | 84 86                               | 83 83                        | 107 84                         | 91 78                             | 109 82                      | 89 79                          |                              |  |  |  |
| 17                            | OBS 230164 | OBS23164   | BOS 188403 | OBS 170163 | 3.6    |              |                 |           |       |      | 111 65         | 94 68                                | 76 57                               | 118 22                       | 97 42                          | 93 48                             |                             |                                |                              |  |  |  |
| 18                            | OBS 230190 | OBS 23 190 | BOS 188403 | OBS 160531 | 3.9    | HH           | 0               | 0         | 0     |      | 112 86         | 106 86                               | 83 84                               | 100 81                       | 89 83                          | 92 77                             | 98 81                       | 87 78                          |                              |  |  |  |
| 19                            | OBS 230200 | OBS 23 200 | BOS 188403 | OBS 160519 | 0.0    | HH           | 1               | 0         | 0     |      | 97 86          | 109 86                               | 70 84                               | 103 81                       | 105 83                         | 92 77                             | 102 81                      | 88 78                          |                              |  |  |  |
| 20                            | OBS 230235 | OBS 23 235 | BOS 188403 | OBS 160054 | 0.0    |              |                 |           |       |      | 109 67         | 100 68                               | 87 58                               | 105 19                       | 101 43                         | 98 48                             |                             |                                |                              |  |  |  |
| 21                            | OBS 230243 | OBS 23 243 | BOS 188403 | OBS 170115 | 0.0    |              |                 |           |       |      | 111 62         | 90 64                                | 97 55                               | 110 19                       | 96 35                          | 97 44                             |                             |                                |                              |  |  |  |
| 22                            | OBS 230248 | OBS 23 248 | BOS 122346 | OBS 180115 | 0.3    |              |                 |           |       |      | 85 67          | 110 67                               | 95 57                               | 90 44                        | 101 49                         | 92 53                             | 97 22                       | 87 47                          |                              |  |  |  |
| 23                            | OBS 230252 | OBS 23 252 | BOS 188403 | OBS 180231 | 0.0    | HH           | 0               | 0         | 0     |      | 115 86         | 94 87                                | 77 85                               | 115 81                       | 103 83                         | 98 77                             | 86 81                       | 91 78                          |                              |  |  |  |
| 24                            | OBS 230270 | OBS 23 270 | BOS 188403 | OBS 190244 | 0.0    |              |                 |           |       |      | 105 65         | 101 67                               | 84 56                               | 112 20                       | 96 42                          | 96 47                             |                             |                                |                              |  |  |  |
| 25                            | OBS 230284 | OBS23284   | BOS 199077 | OBS 210085 | 0.0    |              |                 |           |       |      | 102 62         | 98 63                                | 96 45                               | 108 22                       | 94 36                          | 96 43                             | 91 22                       | 90 39                          |                              |  |  |  |
| 26                            | OBS 240050 | OBS 24 50  | BOS 177663 | OBS 130201 | 0.0    |              |                 |           |       |      | 107 66         | 106 58                               | 83 56                               | 97 32                        | 99 40                          | 94 47                             | 97 24                       | 90 42                          |                              |  |  |  |
| 27                            | OBS 240055 | OBS 24 55  | V8 200394  | OBS 160518 | 0.0    |              |                 |           |       |      | 97 63          | 105 65                               | 96 49                               | 97 23                        | 98 36                          | 96 45                             |                             |                                |                              |  |  |  |
| 28                            | OBS 240063 | OBS 24 63  | BOS 199077 | OBS 140041 | 2.4    |              |                 |           |       |      | 102 62         | 98 66                                | 85 50                               | 112 27                       | 97 38                          | 94 46                             |                             |                                |                              |  |  |  |
| 29                            | OBS 240229 | OBS 24 229 | BOS 188403 | OBS 160006 | 0.0    | PcH          | 0               | 0         | 0     |      | 117 86         | 111 86                               | 78 84                               | 90 81                        | 99 83                          | 96 77                             | 106 80                      | 93 78                          |                              |  |  |  |
| 30                            | OBS 240248 | OBS 24 248 | OBS 210077 | OBS 210127 | 0.0    |              |                 |           |       |      | 108 62         | 95 51                                | 102 41                              | 106 25                       | 92 35                          | 97 40                             |                             |                                |                              |  |  |  |
| 31                            | OBS 240260 | OBS24260   | BOS 211175 | OBS 130062 | 0.0    | PcH          | 0               | 0         | 0     |      | 95 84          | 104 85                               | 82 82                               | 91 79                        | 116 81                         | 96 75                             | 96 79                       | 91 76                          |                              |  |  |  |
| 32                            | OBS 240300 | OBS24300   | BOS 211175 | OBS 180115 | 0.3    |              |                 |           |       |      | 92 61          | 112 62                               | 93 43                               | 92 15                        | 101 32                         | 97 41                             |                             |                                |                              |  |  |  |
|                               |            |            |            |            |        |              |                 |           |       |      | ★★★★☆          |                                      |                                     |                              |                                |                                   |                             |                                |                              |  |  |  |
| 1                             | OBS 220219 | OBS22219   | BOS 188403 | OBS 190033 | 0.0    |              |                 |           |       |      | 105 65         | 105 67                               | 82 56                               | 96 19                        | 91 42                          | 85 47                             |                             |                                |                              |  |  |  |
| 2                             | OBS 230037 | OBS 23 37  | BOS 188403 | OBS 190096 | 3.9    |              |                 |           |       |      | 108 65         | 102 66                               | 83 55                               | 97 22                        | 95 42                          | 89 47                             |                             |                                |                              |  |  |  |
| 3                             | OBS 230062 | OBS2362    | BOS 188403 | BOS 100801 | 0.0    |              |                 |           |       |      | 119 66         | 97 69                                | 66 58                               | 104 22                       | 93 42                          | 83 49                             |                             |                                |                              |  |  |  |
| 4                             | OBS 230065 | OBS2365    | BOS 122346 | OBS 130063 | 0.0    |              |                 |           |       |      | 90 67          | 96 69                                | 90 63                               | 97 44                        | 101 51                         | 84 55                             | 79 22                       | 76 48                          |                              |  |  |  |
| 5                             | OBS 230066 | OBS2366    | BOS 188403 | BC 150542  | 0.0    |              |                 |           |       |      | 112 64         | 93 67                                | 84 56                               | 102 19                       | 92 39                          | 85 46                             |                             |                                |                              |  |  |  |
| 6                             | OBS 230148 | OBS 23 148 | BOS 188403 | BC 170588  | 0.0    |              |                 |           |       |      | 114 63         | 94 66                                | 77 55                               | 102 19                       | 98 35                          | 86 45                             |                             |                                |                              |  |  |  |

Selection List on Cow Value

Bulls 2 years and older

| ID<br>Name<br>Sorted on ID |            |            | Sire ID    | Dam ID     | % Inbreeding | Horned /<br>Polled | Myostatin |       |      |                                                                                     | 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 |  |  |
|----------------------------|------------|------------|------------|------------|--------------|--------------------|-----------|-------|------|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|------------------------|----------------------|--|--|
|                            |            |            |            |            |              |                    | nt821     | Q204X | F94L | Genomic<br>tested                                                                   | ★★★★★                           |                                |                      |                        |                           |                     |                        |                      |  |  |
| 7                          | OBS 230165 | OBS 23 165 | BOS 188403 | OBS 180097 | 3.6          | HH                 | 0         | 0     | 0    |  | 9986                            | 10786                          | 8084                 | 9981                   | 9082                      | 8377                | 9680                   | 7978                 |  |  |
| 8                          | OBS 230229 | OBS 23 229 | BOS 188403 | OBS 180229 | 0.0          |                    |           |       |      |                                                                                     | 10965                           | 9967                           | 8056                 | 10519                  | 9041                      | 8647                |                        |                      |  |  |

# Selection List on Cow Value

## Cows 2 years and older

| ID           | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value | Calf Growth Value | Milk Value | Maint. Value | Fertility Value | Cow Value | Growth Value | Prod Value |     |     |     |     |     |    |     |     |    |
|--------------|------------|------------|------------|--------------|-----------------|-----------|-------|------|----------------|--------------------|-------------------|------------|--------------|-----------------|-----------|--------------|------------|-----|-----|-----|-----|-----|----|-----|-----|----|
| Sorted on ID |            |            |            |              |                 | nt821     | Q204X | F94L | Genomic tested | Acc                | Acc               | Acc        | Acc          | Acc             | Acc       | Acc          | Acc        |     |     |     |     |     |    |     |     |    |
|              |            |            |            |              |                 |           |       |      |                | ★★★★★★             |                   |            |              |                 |           |              |            |     |     |     |     |     |    |     |     |    |
| 1            | OBS 190025 | OBS1925    | PD 110244  | BOS 100745   | 0.0             |           |       |      |                | 111                | 73                | 96         | 74           | 113             | 77        | 112          | 11         | 126 | 55  | 133 | 55  |     |    |     |     |    |
|              |            |            |            |              |                 |           |       |      |                | ★★★★★★☆            |                   |            |              |                 |           |              |            |     |     |     |     |     |    |     |     |    |
| 1            | OBS 150026 | OBS1526    | BOS 033044 | OBS 010002   | 0.0             |           |       |      |                | 80                 | 73                | 116        | 73           | 140             | 79        | 89           | 39         | 111 | 56  | 127 | 60  | 99  | 26 | 120 | 53  |    |
| 2            | OBS 170016 | OBS1716    | PD 110244  | OBS 090142   | 0.0             |           |       |      |                | 113                | 77                | 99         | 76           | 105             | 79        | 104          | 11         | 120 | 53  | 124 | 56  |     |    |     |     |    |
| 3            | OBS 190093 | OBS1993    | PD 110244  | OBS 150026   | 0.0             |           |       |      |                | 86                 | 73                | 121        | 71           | 117             | 73        | 89           | 23         | 115 | 56  | 124 | 55  |     |    |     |     |    |
| 4            | OBS 200071 | OBS 20 71  | OBS 160561 | OBS 130242   | 0.0             |           |       |      |                | 104                | 67                | 105        | 67           | 110             | 70        | 92           | 11         | 132 | 42  | 128 | 49  |     |    |     |     |    |
| 5            | OBS 200148 | OBS20148   | OBS 140279 | OBS 160054   | 0.0             |           |       |      |                | 108                | 72                | 107        | 70           | 80              | 68        | 113          | 26         | 127 | 51  | 124 | 54  |     |    |     |     |    |
| 6            | OBS 210059 | OBS2159    | OBS 140279 | OBS 110275   | 0.0             |           |       |      |                | 110                | 68                | 98         | 70           | 85              | 69        | 123          | 26         | 120 | 48  | 121 | 53  |     |    |     |     |    |
| 7            | OBS 210130 | OBS21130   | OBS 180168 | OBS 190025   | 0.0             |           |       |      |                | 114                | 69                | 97         | 71           | 90              | 66        | 120          | 24         | 118 | 49  | 121 | 52  | 87  | 24 | 113 | 46  |    |
| 8            | OBS 220193 | OBS22193   | OBS 190207 | OBS 200071   | 0.1             |           |       |      |                | 100                | 61                | 103        | 63           | 109             | 55        | 95           | 8          | 126 | 36  | 123 | 42  |     |    |     |     |    |
| 9            | OBS 220245 | OBS22245   | BOS 177146 | OBS 150156   | 3.8             | HH        | 0     | 0    | 0              | 🇬🇧                 | 98                | 88         | 114          | 88              | 101       | 87           | 91         | 84  | 130 | 86  | 127 | 79  | 92 | 84  | 119 | 80 |
| 10           | OBS 230174 | OBS 23 174 | BOS 199260 | OBS 190170   | 1.7             |           |       |      |                | 95                 | 64                | 109        | 65           | 86              | 50        | 100          | 21         | 142 | 44  | 127 | 46  |     |    |     |     |    |
| 11           | OBS 240017 | OBS 24 17  | OBS 200138 | OBS 100411   | 0.0             |           |       |      |                | 117                | 53                | 107        | 53           | 97              | 50        | 95           | 13         | 116 | 31  | 120 | 38  |     |    |     |     |    |
| 12           | OBS 240177 | OBS 24 177 | BOS 200505 | OBS 160519   | 0.0             |           |       |      |                | 79                 | 62                | 123        | 64           | 106             | 51        | 98           | 20         | 116 | 38  | 122 | 44  |     |    |     |     |    |
|              |            |            |            |              |                 |           |       |      |                | ★★★★★★             |                   |            |              |                 |           |              |            |     |     |     |     |     |    |     |     |    |
| 1            | BC 210011  | BC210011   |            | BC 170049    | 0.0             |           |       |      |                | 111                | 62                | 93         | 60           | 114             | 57        | 97           | 13         | 110 | 38  | 111 | 43  |     |    |     |     |    |
| 2            | BOS 177453 | BOS177453  | BOS 144062 | BOS 099148   | 4.5             |           |       |      |                | 99                 | 47                | 108        | 69           | 98              | 67        | 95           | 41         | 112 | 57  | 110 | 52  | 102 | 28 | 105 | 47  |    |
| 3            | BOS 188724 | BOS188724  | BOS 111440 | BOS 133622   | 3.5             |           |       |      |                | 111                | 54                | 103        | 70           | 99              | 69        | 99           | 36         | 113 | 55  | 115 | 53  | 83  | 23 | 106 | 47  |    |
| 4            | OBS 160054 | OBS1654    | PD 110244  | OBS 090142   | 0.0             |           |       |      |                | 108                | 77                | 95         | 75           | 101             | 79        | 112          | 11         | 113 | 55  | 115 | 56  |     |    |     |     |    |
| 5            | OBS 180014 | OBS1814    | OBS 140017 | OBS 140038   | 0.0             |           |       |      |                | 105                | 70                | 96         | 70           | 104             | 73        | 100          | 21         | 121 | 48  | 115 | 53  |     |    |     |     |    |
| 6            | OBS 180236 | OBS18236   | PD 110244  | OBS 140255   | 0.0             |           |       |      |                | 100                | 73                | 109        | 73           | 78              | 75        | 117          | 19         | 110 | 56  | 110 | 56  |     |    |     |     |    |
| 7            | OBS 190030 | OBS1930    | PD 110244  | OBS 100414   | 0.0             |           |       |      |                | 91                 | 71                | 113        | 70           | 141             | 74        | 84           | 11         | 95  | 53  | 116 | 53  |     |    |     |     |    |
| 8            | OBS 190157 | OBS19157   | ROCK150262 | OBS 130062   | 0.0             |           |       |      |                | 84                 | 70                | 120        | 70           | 102             | 71        | 84           | 11         | 124 | 48  | 117 | 51  |     |    |     |     |    |
| 9            | OBS 190163 | OBS19163   | ROCK150262 | OBS 150156   | 3.8             |           |       |      |                | 93                 | 71                | 108        | 66           | 93              | 73        | 97           | 23         | 123 | 46  | 113 | 52  |     |    |     |     |    |
| 10           | OBS 190170 | OBS19170   | ROCK150262 | BOS 100598   | 0.0             |           |       |      |                | 85                 | 72                | 117        | 73           | 95              | 74        | 98           | 11         | 125 | 50  | 119 | 53  |     |    |     |     |    |
| 11           | OBS 200030 | OBS 200030 | ROCK150262 | OBS 130231   | 0.0             |           |       |      |                | 99                 | 70                | 105        | 58           | 99              | 66        | 107          | 11         | 113 | 38  | 115 | 46  |     |    |     |     |    |
| 12           | OBS 200049 | OBS 20 49  | ROCK150262 | OBS 140089   | 0.5             |           |       |      |                | 100                | 69                | 106        | 70           | 109             | 70        | 91           | 20         | 110 | 46  | 111 | 52  |     |    |     |     |    |
| 13           | OBS 200085 | OBS 20 85  | ROCK160083 | OBS 170147   | 4.6             |           |       |      |                | 104                | 65                | 104        | 64           | 86              | 60        | 116          | 22         | 109 | 46  | 111 | 48  |     |    |     |     |    |

Selection List on Cow Value

Cows 2 years and older

| ID<br>Name<br>Sorted on ID |            |            | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       |      |                                                                                     | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|----------------------------|------------|------------|------------|------------|--------------|-----------------|-----------|-------|------|-------------------------------------------------------------------------------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                            |            |            |            |            |              |                 | nt821     | Q204X | F94L | Genomic tested                                                                      |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                            |            |            |            |            |              |                 |           |       |      |                                                                                     | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |
| 14                         | OBS 200086 | OBS 20 86  | ROCK160083 | OBS 170163 | 3.2          |                 |           |       |      |                                                                                     | 111 65                    | 96 67                    | 91 67             | 115 19              | 113 47                 | 114 50           |                     |                   |  |
| 15                         | OBS 210007 | OBS217     | BC 160639  | BOS 100745 | 0.0          |                 |           |       |      |                                                                                     | 105 69                    | 86 63                    | 136 68            | 108 29              | 106 45                 | 118 51           | 91 37               | 111 48            |  |
| 16                         | OBS 210021 | OBS2121    | BC 160639  | OBS 110203 | 0.0          |                 |           |       |      |                                                                                     | 111 71                    | 78 70                    | 115 69            | 118 29              | 114 49                 | 115 54           | 81 37               | 106 51            |  |
| 17                         | OBS 210100 | OBS21100   | BC 160639  | OBS 160077 | 0.0          |                 |           |       |      |                                                                                     | 100 71                    | 104 72                   | 110 71            | 106 32              | 105 52                 | 115 56           | 102 38              | 110 52            |  |
| 18                         | OBS 210105 | OBS21105   | BC 160639  | OBS 130201 | 0.0          |                 |           |       |      |                                                                                     | 105 72                    | 105 70                   | 103 69            | 102 30              | 112 50                 | 116 54           | 100 38              | 111 51            |  |
| 19                         | OBS 210179 | OBS21179   | OBS 140279 | OBS 160054 | 0.0          |                 |           |       |      |                                                                                     | 116 72                    | 93 70                    | 82 65             | 125 26              | 118 51                 | 118 53           |                     |                   |  |
| 20                         | OBS 210219 | OBS21219   | OBS 190027 | OBS 190123 | 6.3          |                 |           |       |      |                                                                                     | 102 66                    | 101 63                   | 98 47             | 105 9               | 111 44                 | 110 43           |                     |                   |  |
| 21                         | OBS 210242 | OBS21242   | OBS 140279 | OBS 170115 | 0.0          |                 |           |       |      |                                                                                     | 110 66                    | 95 67                    | 81 66             | 120 26              | 118 46                 | 113 51           |                     |                   |  |
| 22                         | OBS 220019 | OBS 22 19  | BOS 033044 | OBS 180026 | 0.0          |                 |           |       |      |                                                                                     | 110 69                    | 93 67                    | 90 61             | 122 39              | 117 55                 | 117 54           | 75 26               | 106 48            |  |
| 23                         | OBS 220055 | OBS 22 55  | OBS 140279 | OBS 110275 | 0.0          |                 |           |       |      |                                                                                     | 116 67                    | 93 69                    | 82 64             | 124 26              | 118 46                 | 116 51           |                     |                   |  |
| 24                         | OBS 220073 | OBS 22 73  | BOS 177146 | PD 080151  | 0.0          |                 |           |       |      |                                                                                     | 108 67                    | 106 70                   | 91 66             | 95 32               | 122 53                 | 115 54           | 87 27               | 107 49            |  |
| 25                         | OBS 220092 | OBS 22 92  | BOS 166109 | OBS 180018 | 0.0          | HH              | 1         | 0     | 0    |  | 94 84                     | 109 85                   | 111 83            | 89 80               | 114 82                 | 113 76           | 100 80              | 108 77            |  |
| 26                         | OBS 220166 | OBS22166   | OBS 140279 | OBS 130062 | 0.0          |                 |           |       |      |                                                                                     | 108 68                    | 99 67                    | 75 60             | 118 26              | 120 49                 | 112 51           |                     |                   |  |
| 27                         | OBS 220203 | OBS22203   | OBS 190207 | OBS 200148 | 0.9          |                 |           |       |      |                                                                                     | 102 63                    | 104 54                   | 94 53             | 101 14              | 123 34                 | 117 41           |                     |                   |  |
| 28                         | OBS 220288 | OBS22288   | BOS 166109 | OBS 150026 | 1.8          |                 |           |       |      |                                                                                     | 83 61                     | 118 66                   | 109 56            | 91 37               | 117 48                 | 118 50           | 100 23              | 113 45            |  |
| 29                         | OBS 230049 | OBS 23 49  | OBS 140279 | OBS 190038 | 0.0          |                 |           |       |      |                                                                                     | 113 67                    | 97 69                    | 73 63             | 126 26              | 113 50                 | 111 52           |                     |                   |  |
| 30                         | OBS 230279 | OBS23279   | OBS 210077 | OBS 150026 | 1.8          |                 |           |       |      |                                                                                     | 89 63                     | 113 65                   | 123 53            | 93 30               | 106 41                 | 117 47           |                     |                   |  |
| 31                         | OBS 230299 | OBS23299   | BOS 177146 | BOS 177205 | 3.0          |                 |           |       |      |                                                                                     | 113 61                    | 102 61                   | 91 57             | 96 36               | 126 51                 | 118 49           | 88 30               | 109 45            |  |
| 32                         | OBS 240010 | OBS 24 10  | BOS 199260 | OBS 110203 | 0.0          |                 |           |       |      |                                                                                     | 108 61                    | 96 54                    | 85 52             | 105 21              | 130 37                 | 114 42           |                     |                   |  |
| 33                         | OBS 240018 | OBS 24 18  | BOS 211175 | OBS 210130 | 0.8          |                 |           |       |      |                                                                                     | 106 60                    | 100 62                   | 92 44             | 110 18              | 114 35                 | 112 42           |                     |                   |  |
| 34                         | OBS 240123 | OBS 24 123 | OBS 210077 | OBS 220023 | 0.9          |                 |           |       |      |                                                                                     | 104 62                    | 98 63                    | 89 47             | 119 26              | 108 38                 | 110 44           |                     |                   |  |
| 35                         | OBS 240141 | OBS 24 141 | OBS 210077 | OBS 220055 | 0.9          |                 |           |       |      |                                                                                     | 106 62                    | 98 62                    | 96 47             | 114 25              | 109 37                 | 112 44           |                     |                   |  |
| 36                         | OBS 240209 | OBS 24 209 | BOS 211175 | OBS 150026 | 3.1          |                 |           |       |      |                                                                                     | 89 62                     | 108 64                   | 118 50            | 94 23               | 109 37                 | 113 45           |                     |                   |  |
| 37                         | OBS 240212 | OBS 24 212 | OBS 220208 | BC 210011  | 0.0          |                 |           |       |      |                                                                                     | 107 61                    | 106 63                   | 103 42            | 89 17               | 118 32                 | 115 41           |                     |                   |  |
| 38                         | OBS 240226 | OBS 24 226 | OBS 220208 | OBS 210059 | 1.0          |                 |           |       |      |                                                                                     | 106 62                    | 109 63                   | 88 46             | 100 21              | 123 35                 | 119 43           |                     |                   |  |
| 39                         | OBS 240250 | OBS 24 250 | OBS 210077 | OBS 220203 | 0.7          |                 |           |       |      |                                                                                     | 100 60                    | 102 59                   | 103 43            | 103 23              | 112 34                 | 112 41           |                     |                   |  |
| 40                         | OBS 240286 | OBS24286   | OBS 220208 | OBS 210011 | 0.0          |                 |           |       |      |                                                                                     | 100 62                    | 111 63                   | 105 46            | 88 22               | 110 35                 | 111 43           | 102 23              | 106 39            |  |
| 41                         | OBS 240287 | OBS24287   | OBS 220208 | BC 210547  | 0.0          |                 |           |       |      |                                                                                     | 98 60                     | 114 61                   | 98 42             | 88 18               | 113 32                 | 110 40           |                     |                   |  |
| 42                         | OBS 240303 | OBS24303   | OBS 220208 | OBS 210041 | 1.2          |                 |           |       |      |                                                                                     | 99 62                     | 118 62                   | 87 45             | 93 21               | 112 36                 | 110 43           |                     |                   |  |
|                            |            |            |            |            |              |                 |           |       |      |                                                                                     | ★★★★☆                     |                          |                   |                     |                        |                  |                     |                   |  |

Selection List on Cow Value

Cows 2 years and older

| ID<br><div>Sorted on ID</div> |            |                     | Name       | Sire ID    | Dam ID | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |  |  |
|-------------------------------|------------|---------------------|------------|------------|--------|--------------|-----------------|-----------|-------|------|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|--|--|
|                               |            |                     |            |            |        |              |                 | nt821     | Q204X | F94L | Genomic tested | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |  |  |
| 1                             | OBS 130201 | OSTERLOH OBS 13 201 |            | BOS 100801 | 0.0    |              |                 |           |       |      |                | 11275                     | 9766                     | 7979              | 11510               | 10847                  | 10452            |                     |                   |  |  |  |
| 2                             | OBS 150156 | OBS15156            | BOS 033044 | OBS 110227 | 0.0    |              |                 |           |       |      |                | 10477                     | 9675                     | 9680              | 11339               | 10859                  | 10861            | 8526                | 10054             |  |  |  |
| 3                             | OBS 150194 | OBS15194            | PD 110244  | OBS 110203 | 0.0    |              |                 |           |       |      |                | 10678                     | 9471                     | 9473              | 11011               | 11353                  | 10854            |                     |                   |  |  |  |
| 4                             | OBS 160006 | OBS166              | PD 110244  | OBS 100411 | 0.0    |              |                 |           |       |      |                | 10576                     | 10974                    | 9778              | 9411                | 10454                  | 10655            |                     |                   |  |  |  |
| 5                             | OBS 160076 | OBS1676             | PD 110244  | OBS 100416 | 0.0    |              |                 |           |       |      |                | 9574                      | 10270                    | 9275              | 10511               | 10751                  | 10153            |                     |                   |  |  |  |
| 6                             | OBS 160077 | OBS1677             | PD 110244  | BOS 100348 | 0.0    |              |                 |           |       |      |                | 9276                      | 11375                    | 8978              | 10226               | 10257                  | 10258            |                     |                   |  |  |  |
| 7                             | OBS 160519 | OBS16519            | PD 110244  | OBS 130193 | 0.0    |              |                 |           |       |      |                | 8375                      | 10772                    | 9278              | 10811               | 11753                  | 10955            |                     |                   |  |  |  |
| 8                             | OBS 170059 | OBS1759             | PD 110244  | OBS 070110 | 0.0    |              |                 |           |       |      |                | 11874                     | 9772                     | 7776              | 11815               | 11055                  | 10955            |                     |                   |  |  |  |
| 9                             | OBS 170196 | OBS17196            | PD 110244  | PD 080151  | 0.0    |              |                 |           |       |      |                | 10271                     | 10471                    | 9570              | 10814               | 9654                   | 10153            |                     |                   |  |  |  |
| 10                            | OBS 180231 | OBS18231            | PD 110244  | OBS 110203 | 0.0    |              |                 |           |       |      |                | 11473                     | 8673                     | 8177              | 11911               | 10853                  | 10054            |                     |                   |  |  |  |
| 11                            | OBS 190032 | OBS1932             | PD 110244  | OBS 130185 | 0.0    |              |                 |           |       |      |                | 10572                     | 10670                    | 8971              | 11112               | 9454                   | 10153            |                     |                   |  |  |  |
| 12                            | OBS 190038 | OBS1938             | PD 110244  | OBS 130109 | 0.0    |              |                 |           |       |      |                | 10971                     | 10270                    | 7975              | 11411               | 9953                   | 10053            |                     |                   |  |  |  |
| 13                            | OBS 190244 | OBS19244            | PD 110244  | OBS 130201 | 0.0    |              |                 |           |       |      |                | 10172                     | 10971                    | 8873              | 10512               | 10354                  | 10453            |                     |                   |  |  |  |
| 14                            | OBS 190282 | OBS19282            | PD 110244  | PD 070242  | 0.0    |              |                 |           |       |      |                | 10173                     | 10671                    | 9871              | 10016               | 10552                  | 10653            |                     |                   |  |  |  |
| 15                            | OBS 200025 | OBS 20 25           | ROCK150262 | OBS 130185 | 0.0    |              |                 |           |       |      |                | 10668                     | 10068                    | 7566              | 11813               | 11545                  | 10849            |                     |                   |  |  |  |
| 16                            | OBS 200061 | OBS 20 61           | OBS 140279 | OBS 160077 | 1.0    |              |                 |           |       |      |                | 10171                     | 10966                    | 6970              | 12029               | 11048                  | 10753            |                     |                   |  |  |  |
| 17                            | OBS 200092 | OBS 20 92           | OBS 180168 | OBS 180026 | 0.0    |              |                 |           |       |      |                | 12470                     | 9270                     | 6566              | 12323               | 11546                  | 10852            | 7724                | 9846              |  |  |  |
| 18                            | OBS 210013 | OBS2113             | BC 160639  | OBS 140041 | 0.0    |              |                 |           |       |      |                | 10569                     | 8871                     | 10969             | 12036               | 9152                   | 10155            | 8640                | 9352              |  |  |  |
| 19                            | OBS 210041 | OBS2141             | OBS 140279 | OBS 160554 | 0.9    |              |                 |           |       |      |                | 9968                      | 10970                    | 8466              | 11329               | 9951                   | 10353            |                     |                   |  |  |  |
| 20                            | OBS 210072 | OBS2172             | BC 160639  | OBS 170195 | 0.0    |              |                 |           |       |      |                | 10169                     | 9670                     | 10168             | 11231               | 10150                  | 10354            | 8938                | 9651              |  |  |  |
| 21                            | OBS 210085 | OBS2185             | BC 160639  | BOS 100598 | 0.0    |              |                 |           |       |      |                | 10171                     | 9171                     | 11569             | 11629               | 8950                   | 10154            | 8937                | 9451              |  |  |  |
| 22                            | OBS 210138 | OBS21138            | OBS 180168 | OBS 190043 | 0.0    |              |                 |           |       |      |                | 10568                     | 10168                    | 8461              | 11724               | 10647                  | 10650            | 8824                | 9945              |  |  |  |
| 23                            | OBS 210144 | OBS21144            | OBS 140279 | OBS 160531 | 0.9    |              |                 |           |       |      |                | 9969                      | 11171                    | 7167              | 11529               | 11051                  | 10754            |                     |                   |  |  |  |
| 24                            | OBS 210146 | OBS21146            | OBS 180168 | OBS 190026 | 0.0    |              |                 |           |       |      |                | 11069                     | 10267                    | 8255              | 11324               | 10047                  | 10249            | 9224                | 9544              |  |  |  |
| 25                            | OBS 210158 | OBS21158            | OBS 180168 | OBS 190038 | 0.0    |              |                 |           |       |      |                | 11269                     | 10469                    | 6663              | 12024               | 11049                  | 10751            | 8924                | 10046             |  |  |  |
| 26                            | OBS 210161 | OBS21161            | OBS 180168 | OBS 190019 | 0.2    |              |                 |           |       |      |                | 11170                     | 10268                    | 6757              | 11926               | 10448                  | 10050            | 8924                | 9345              |  |  |  |
| 27                            | OBS 210203 | OBS21203            | OBS 180168 | OBS 190096 | 0.5    |              |                 |           |       |      |                | 10869                     | 10468                    | 7561              | 11427               | 10847                  | 10451            | 9026                | 9746              |  |  |  |
| 28                            | OBS 220014 | OBS 22 14           | OBS 180168 | OBS 190252 | 1.4    |              |                 |           |       |      |                | 10668                     | 10667                    | 7655              | 11627               | 10347                  | 10350            | 9426                | 9845              |  |  |  |
| 29                            | OBS 220018 | OBS 22 18           | OBS 140279 | OBS 170127 | 0.0    |              |                 |           |       |      |                | 11162                     | 9762                     | 7656              | 11626               | 11144                  | 10547            |                     |                   |  |  |  |
| 30                            | OBS 220022 | OBS 22 22           | OBS 140279 | OBS 130063 | 0.0    |              |                 |           |       |      |                | 11268                     | 9469                     | 7065              | 12528               | 11149                  | 10452            |                     |                   |  |  |  |
| 31                            | OBS 220023 | OBS 22 23           | OBS 140279 | BOS 100801 | 0.0    |              |                 |           |       |      |                | 11868                     | 9470                     | 6265              | 12828               | 11648                  | 10752            | 8221                | 9946              |  |  |  |
| 32                            | OBS 220028 | OBS 22 28           | OBS 140279 | OBS 130200 | 0.0    |              |                 |           |       |      |                | 11267                     | 9166                     | 8760              | 12326               | 10548                  | 10650            |                     |                   |  |  |  |

Selection List on Cow Value

Cows 2 years and older

| ID<br><div>Sorted on ID</div> |            |            | Sire ID    | Dam ID     | % Inbreeding | Myostatin       |       |       |      | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |       |  |
|-------------------------------|------------|------------|------------|------------|--------------|-----------------|-------|-------|------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|-------|--|
|                               |            |            |            |            |              | Horned / Polled | nt821 | Q204X | F94L | Genomic tested            | ★★★★★                    |                   |                     |                        |                  |                     |                   |       |  |
| 33                            | OBS 220030 | OBS 22 30  | OBS 140279 | OBS 120292 | 0.0          |                 |       |       |      |                           | 12067                    | 8966              | 7563                | 12526                  | 10347            | 10150               |                   |       |  |
| 34                            | OBS 220063 | OBS 22 63  | OBS 140279 | PD 120402  | 0.0          |                 |       |       |      |                           | 12068                    | 8366              | 7358                | 13126                  | 10946            | 10350               |                   |       |  |
| 35                            | OBS 220069 | OBS 22 69  | OBS 190027 | OBS 190170 | 0.0          |                 |       |       |      |                           | 9562                     | 10362             | 9850                | 1108                   | 9642             | 10043               |                   |       |  |
| 36                            | OBS 220076 | OBS 22 76  | OBS 180168 | BOS 100598 | 0.0          |                 |       |       |      |                           | 10268                    | 9770              | 8864                | 12123                  | 10244            | 10351               | 8324              | 9546  |  |
| 37                            | OBS 220150 | OBS22150   | OBS 190044 | OBS 130231 | 0.0          |                 |       |       |      |                           | 11463                    | 9660              | 9056                | 11513                  | 10130            | 10542               |                   |       |  |
| 38                            | OBS 220168 | OBS22168   | OBS 140279 | OBS 130293 | 0.0          |                 |       |       |      |                           | 10567                    | 10167             | 8564                | 11826                  | 10046            | 10451               |                   |       |  |
| 39                            | OBS 220217 | OBS22217   | BOS 188403 | OBS 190025 | 0.0          |                 |       |       |      |                           | 11268                    | 9968              | 9257                | 10919                  | 10546            | 10849               |                   |       |  |
| 40                            | OBS 230010 | OBS 23 10  | BOS 188403 | OBS 190123 | 1.1          |                 |       |       |      |                           | 9365                     | 11461             | 9459                | 9320                   | 10642            | 10446               |                   |       |  |
| 41                            | OBS 230032 | OBS 23 32  | BOS 166109 | BOS 100598 | 0.0          | PcH             | 1     | 0     | 0    | 64                        | 7786                     | 11886             | 9785                | 9082                   | 11383            | 10577               | 11282             | 10378 |  |
| 42                            | OBS 230034 | OBS 23 34  | BOS 188403 | OBS 110275 | 0.0          |                 |       |       |      |                           | 11067                    | 9668              | 8962                | 11119                  | 10342            | 10249               |                   |       |  |
| 43                            | OBS 230035 | OBS 23 35  | BOS 188403 | OBS 190093 | 1.9          |                 |       |       |      |                           | 9968                     | 11169             | 9261                | 9722                   | 10747            | 10650               |                   |       |  |
| 44                            | OBS 230042 | OBS 23 42  | BOS 066337 | OBS 180026 | 0.0          |                 |       |       |      |                           | 10267                    | 9768              | 9264                | 11542                  | 9952             | 10054               | 8825              | 9448  |  |
| 45                            | OBS 230091 | OBS 23 91  | BOS 188403 | OBS 190030 | 0.0          |                 |       |       |      |                           | 10067                    | 11268             | 10461               | 9019                   | 9846             | 10449               |                   |       |  |
| 46                            | OBS 230116 | OBS 23 116 | BOS 199077 | OBS 190053 | 2.5          |                 |       |       |      |                           | 11362                    | 9954              | 7544                | 11221                  | 10636            | 10141               |                   |       |  |
| 47                            | OBS 230119 | OBS 23 119 | BOS 199077 | OBS 190157 | 1.5          |                 |       |       |      |                           | 9759                     | 11155             | 8945                | 9217                   | 11436            | 10540               |                   |       |  |
| 48                            | OBS 230132 | OBS 21 132 | BOS 199260 | OBS 160144 | 0.0          |                 |       |       |      |                           | 11058                    | 9461              | 8648                | 10421                  | 12032            | 10742               |                   |       |  |
| 49                            | OBS 230139 | OBS 23 139 | BOS 199077 | OBS 210105 | 0.0          |                 |       |       |      |                           | 9963                     | 11064             | 8945                | 9722                   | 10841            | 10444               | 9923              | 9940  |  |
| 50                            | OBS 230273 | OBS 23 273 | BOS 188403 | OBS 200071 | 1.9          |                 |       |       |      |                           | 10664                    | 10467             | 9255                | 9620                   | 10939            | 10446               |                   |       |  |
| 51                            | OBS 240031 | OBS 24 31  | BOS 177663 | OBS 180026 | 0.0          |                 |       |       |      |                           | 10465                    | 10258             | 9554                | 9832                   | 10340            | 10046               | 9123              | 9441  |  |
| 52                            | OBS 240032 | OBS 24 32  | BOS 211175 | OBS 210144 | 1.8          |                 |       |       |      |                           | 9460                     | 10962             | 8345                | 10419                  | 11036            | 10342               |                   |       |  |
| 53                            | OBS 240036 | OBS 24 36  | BOS 199260 | OBS 130292 | 0.0          |                 |       |       |      |                           | 10262                    | 10663             | 9351                | 9521                   | 11635            | 10944               |                   |       |  |
| 54                            | OBS 240039 | OBS 24 39  | BOS 199260 | BC 170009  | 0.0          |                 |       |       |      |                           | 10661                    | 10364             | 9247                | 9626                   | 11038            | 10544               |                   |       |  |
| 55                            | OBS 240059 | OBS 24 59  | BOS 211175 | OBS 210242 | 1.6          |                 |       |       |      |                           | 10059                    | 9861              | 9044                | 11018                  | 11334            | 10641               |                   |       |  |
| 56                            | OBS 240086 | OBS 24 86  | BOS 199077 | OBS 180236 | 0.6          |                 |       |       |      |                           | 10362                    | 10965             | 7547                | 10719                  | 10538            | 10144               |                   |       |  |
| 57                            | OBS 240121 | OBS 24 121 | OBS 210077 | OBS 210129 | 0.0          |                 |       |       |      |                           | 9961                     | 9760              | 10644               | 11125                  | 9735             | 10342               |                   |       |  |
| 58                            | OBS 240122 | OBS 24 122 | OBS 210077 | OBS 190038 | 0.0          |                 |       |       |      |                           | 10563                    | 9864              | 9751                | 11423                  | 10039            | 10545               |                   |       |  |
| 59                            | OBS 240139 | OBS 24 139 | OBS 210077 | OBS 220076 | 0.5          |                 |       |       |      |                           | 9962                     | 10263             | 9847                | 11025                  | 10137            | 10544               |                   |       |  |
| 60                            | OBS 240143 | OBS 24 143 | BOS 188403 | OBS 190025 | 0.0          |                 |       |       |      |                           | 11365                    | 10168             | 9057                | 10319                  | 10643            | 10648               |                   |       |  |
| 61                            | OBS 240157 | OBS 24 157 | BOS 200505 | OBS 160144 | 0.0          |                 |       |       |      |                           | 9858                     | 10160             | 9947                | 9919                   | 10629            | 10140               |                   |       |  |
| 62                            | OBS 240159 | OBS 24 159 | BOS 199260 | OBS 160145 | 0.0          |                 |       |       |      |                           | 10662                    | 10665             | 7251                | 10422                  | 11841            | 10645               |                   |       |  |
| 63                            | OBS 240236 | OBS 24 236 | OBS 210077 | OBS 220116 | 6.7          |                 |       |       |      |                           | 10061                    | 10562             | 9845                | 10425                  | 10135            | 10543               |                   |       |  |
| 64                            | OBS 240244 | OBS 24 244 | OBS 210077 | OBS 220132 | 0.7          |                 |       |       |      |                           | 10162                    | 10862             | 9645                | 10124                  | 10537            | 10843               |                   |       |  |

Selection List on Cow Value

Cows 2 years and older

| ID<br>Name<br>Sorted on ID |            |            | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|----------------------------|------------|------------|------------|------------|--------------|-----------------|-----------|-------|------|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                            |            |            |            |            |              |                 | nt821     | Q204X | F94L | Genomic tested |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                            |            |            |            |            |              |                 |           |       |      |                | ★★★★☆                     |                          |                   |                     |                        |                  |                     |                   |  |
| 65                         | OBS 240251 | OBS 24 251 | OBS 220208 | BC 210034  | 0.0          |                 |           |       |      |                | 93 60                     | 116 62                   | 105 42            | 85 16               | 106 31                 | 107 40           |                     |                   |  |
| 66                         | OBS 240256 | OBS24256   | BOS 200505 | OBS 180231 | 0.0          |                 |           |       |      |                | 105 62                    | 99 64                    | 92 50             | 106 20              | 112 38                 | 107 44           |                     |                   |  |
| 67                         | OBS 240257 | OBS24257   | OBS 210077 | OBS 220025 | 0.9          |                 |           |       |      |                | 107 62                    | 101 62                   | 94 47             | 110 25              | 97 38                  | 103 44           |                     |                   |  |
| 68                         | OBS 240261 | OBS24261   | BOS 200505 | OBS 160140 | 0.0          |                 |           |       |      |                | 101 62                    | 103 64                   | 93 49             | 107 20              | 107 38                 | 106 44           |                     |                   |  |
| 69                         | OBS 240265 | OBS24265   | BOS 200505 | OBS 180252 | 0.0          |                 |           |       |      |                | 96 61                     | 107 64                   | 98 49             | 105 20              | 103 38                 | 106 44           |                     |                   |  |
| 70                         | OBS 240272 | OBS24272   | BOS 200505 | OBS 180097 | 3.4          |                 |           |       |      |                | 97 61                     | 105 64                   | 97 49             | 110 22              | 97 37                  | 103 44           |                     |                   |  |
| 71                         | OBS 240292 | OBS24292   | OBS 220208 | OBS 210016 | 4.1          |                 |           |       |      |                | 107 62                    | 107 63                   | 80 46             | 102 21              | 112 36                 | 106 43           |                     |                   |  |
| 72                         | OBS 240304 | OBS24304   | OBS 220208 | OBS 210044 | 0.0          |                 |           |       |      |                | 105 61                    | 100 62                   | 101 46            | 97 22               | 111 35                 | 107 43           | 92 23               | 101 39            |  |
|                            |            |            |            |            |              |                 |           |       |      |                | ★★★☆☆                     |                          |                   |                     |                        |                  |                     |                   |  |
| 1                          | OBS 140255 | OBS14255   | BOS 111100 | BOS 100598 | 0.0          |                 |           |       |      |                | 108 76                    | 90 77                    | 68 82             | 129 31              | 104 56                 | 95 60            | 75 22               | 85 52             |  |
| 2                          | OBS 160140 | OBS16140   | PD 110244  | OBS 100401 | 0.0          |                 |           |       |      |                | 114 74                    | 89 70                    | 81 75             | 116 11              | 98 52                  | 92 53            |                     |                   |  |
| 3                          | OBS 160531 | OBS16531   | PD 130002  | PD 080151  | 0.0          |                 |           |       |      |                | 102 74                    | 107 74                   | 87 77             | 99 24               | 103 53                 | 99 57            |                     |                   |  |
| 4                          | OBS 170058 | OBS1758    | PD 110244  | OBS 100424 | 0.0          |                 |           |       |      |                | 110 74                    | 98 69                    | 84 71             | 113 11              | 90 52                  | 92 52            |                     |                   |  |
| 5                          | OBS 170116 | OBS17116   | BOS 144003 | OBS 130201 | 0.0          |                 |           |       |      |                | 113 72                    | 101 71                   | 63 75             | 114 24              | 107 51                 | 98 55            |                     |                   |  |
| 6                          | OBS 170195 | OBS17195   | BOS 144003 | OBS 130062 | 0.0          |                 |           |       |      |                | 98 73                     | 106 67                   | 74 74             | 99 23               | 111 46                 | 94 53            |                     |                   |  |
| 7                          | OBS 180115 | OBS18115   | OBS 140256 | OBS 150219 | 0.0          |                 |           |       |      |                | 90 74                     | 111 69                   | 98 63             | 99 17               | 94 43                  | 97 50            |                     |                   |  |
| 8                          | OBS 180116 | OBS18116   | OBS 140256 | OBS 150156 | 0.0          |                 |           |       |      |                | 105 71                    | 101 71                   | 74 75             | 113 25              | 104 49                 | 97 55            |                     |                   |  |
| 9                          | OBS 180229 | OBS18229   | PD 110244  | OBS 130135 | 0.0          |                 |           |       |      |                | 104 72                    | 96 70                    | 89 73             | 113 11              | 92 50                  | 92 52            |                     |                   |  |
| 10                         | OBS 180249 | OBS18249   | PD 110244  | OBS 140041 | 0.0          |                 |           |       |      |                | 102 72                    | 102 73                   | 91 75             | 111 24              | 93 55                  | 97 56            |                     |                   |  |
| 11                         | OBS 180252 | OBS18252   | PD 110244  | OBS 130171 | 0.0          |                 |           |       |      |                | 103 72                    | 98 70                    | 91 73             | 115 11              | 91 51                  | 95 52            |                     |                   |  |
| 12                         | OBS 190019 | OBS1919    | PD 110244  | OBS 140089 | 0.2          |                 |           |       |      |                | 108 73                    | 104 73                   | 74 75             | 104 20              | 98 55                  | 91 56            |                     |                   |  |
| 13                         | OBS 190026 | OBS1926    | PD 110244  | OBS 130155 | 0.0          |                 |           |       |      |                | 94 70                     | 102 67                   | 113 67            | 99 11               | 93 53                  | 98 51            |                     |                   |  |
| 14                         | OBS 190042 | OBS1942    | PD 110244  | OBS 130200 | 0.0          |                 |           |       |      |                | 101 72                    | 99 70                    | 113 72            | 102 11              | 81 55                  | 92 53            |                     |                   |  |
| 15                         | OBS 190250 | OBS19250   | PD 110244  | PD 080151  | 0.0          |                 |           |       |      |                | 107 72                    | 99 70                    | 96 67             | 111 14              | 92 53                  | 99 52            |                     |                   |  |
| 16                         | OBS 200101 | OBS20101   | OBS 180168 | OBS 180016 | 1.5          |                 |           |       |      |                | 110 69                    | 101 68                   | 66 63             | 123 27              | 97 46                  | 96 51            | 80 26               | 87 46             |  |
| 17                         | OBS 200127 | OBS20127   | OBS 140279 | OBS 170046 | 0.0          |                 |           |       |      |                | 113 68                    | 98 69                    | 71 66             | 123 26              | 90 51                  | 92 52            |                     |                   |  |
| 18                         | OBS 200147 | OBS20147   | OBS 180168 | OBS 180097 | 1.5          |                 |           |       |      |                | 110 70                    | 100 71                   | 69 69             | 123 27              | 94 49                  | 95 54            | 82 26               | 87 48             |  |
| 19                         | OBS 200154 | OBS20154   | ROCK160083 | OBS 170247 | 3.2          |                 |           |       |      |                | 110 60                    | 96 65                    | 69 61             | 120 19              | 98 45                  | 92 47            |                     |                   |  |
| 20                         | OBS 210012 | OBS2112    | BC 160639  | OBS 120292 | 0.0          |                 |           |       |      |                | 111 68                    | 87 68                    | 109 68            | 114 29              | 86 48                  | 96 53            | 83 37               | 88 50             |  |
| 21                         | OBS 210052 | OBS2152    | BC 160639  | OBS 130293 | 0.0          |                 |           |       |      |                | 100 69                    | 90 69                    | 117 68            | 114 29              | 85 48                  | 96 53            | 86 37               | 89 50             |  |

Selection List on Cow Value

Cows 2 years and older

| ID<br><div>Sorted on ID</div> |            |            | Name       | Sire ID    | Dam ID | % Inbreeding | Horned / Polled | Myostatin |       |      | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |  |  |  |
|-------------------------------|------------|------------|------------|------------|--------|--------------|-----------------|-----------|-------|------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|--|--|--|
|                               |            |            |            |            |        |              |                 | nt821     | Q204X | F94L | Genomic tested            | ★★★★                     |                   |                     |                        |                  |                     |                   |  |  |  |  |
| 22                            | OBS 210141 | OBS21141   | OBS 190027 | OBS 190053 | 0.0    |              |                 |           |       |      | 10165                     | 10565                    | 7960              | 11214               | 9944                   | 9747             |                     |                   |  |  |  |  |
| 23                            | OBS 210251 | OBS21251   | OBS 190027 | OBS 190157 | 0.0    |              |                 |           |       |      | 9461                      | 10464                    | 10556             | 988                 | 9343                   | 9544             |                     |                   |  |  |  |  |
| 24                            | OBS 220114 | OBS 22 114 | OBS 190129 | OBS 130201 | 0.0    |              |                 |           |       |      | 8663                      | 12163                    | 8556              | 9310                | 9439                   | 9244             |                     |                   |  |  |  |  |
| 25                            | OBS 220163 | OBS22163   | OBS 140279 | BC 160590  | 0.0    |              |                 |           |       |      | 11367                     | 9568                     | 7362              | 12326               | 9646                   | 9551             |                     |                   |  |  |  |  |
| 26                            | OBS 220181 | OBS22181   | OBS 180169 | OBS 160131 | 0.0    |              |                 |           |       |      | 10054                     | 9757                     | 8846              | 11013               | 10135                  | 9539             |                     |                   |  |  |  |  |
| 27                            | OBS 220209 | OBS22209   | BOS 188403 | OBS 170163 | 3.6    |              |                 |           |       |      | 11268                     | 8969                     | 7862              | 12322               | 10546                  | 9950             |                     |                   |  |  |  |  |
| 28                            | OBS 220220 | OBS22220   | BOS 188403 | OBS 170115 | 0.0    |              |                 |           |       |      | 10065                     | 10965                    | 9360              | 9419                | 9840                   | 9747             |                     |                   |  |  |  |  |
| 29                            | OBS 220222 | OBS22222   | BOS 188403 | OBS 140255 | 0.9    |              |                 |           |       |      | 11268                     | 9563                     | 6563              | 12025               | 9944                   | 9049             |                     |                   |  |  |  |  |
| 30                            | OBS 220256 | OBS22256   | BOS 188403 | OBS 180193 | 1.9    |              |                 |           |       |      | 11066                     | 10066                    | 8154              | 11223               | 9345                   | 9448             |                     |                   |  |  |  |  |
| 31                            | OBS 220263 | OBS22263   | BOS 188403 | OBS 170147 | 5.5    |              |                 |           |       |      | 10467                     | 10159                    | 7853              | 11724               | 9643                   | 9546             |                     |                   |  |  |  |  |
| 32                            | OBS 230005 | OBS 23 5   | BOS 188403 | OBS 150194 | 0.0    |              |                 |           |       |      | 11067                     | 9860                     | 8355              | 10419               | 10343                  | 9646             |                     |                   |  |  |  |  |
| 33                            | OBS 230017 | OBS 23 17  | BOS 188403 | OBS 110203 | 0.0    |              |                 |           |       |      | 10467                     | 10068                    | 8863              | 9819                | 10843                  | 9849             |                     |                   |  |  |  |  |
| 34                            | OBS 230051 | OBS 23 51  | BOS 122346 | OBS 180018 | 0.0    |              |                 |           |       |      | 8966                      | 10667                    | 10260             | 8643                | 11149                  | 9953             | 9622                | 9447              |  |  |  |  |
| 35                            | OBS 230081 | OBS2381    | BOS 188403 | OBS 160129 | 0.0    |              |                 |           |       |      | 10667                     | 9768                     | 8561              | 10819               | 9842                   | 9449             |                     |                   |  |  |  |  |
| 36                            | OBS 230083 | OBS2383    | BOS 188403 | OBS 190043 | 0.0    |              |                 |           |       |      | 10667                     | 9968                     | 8959              | 10519               | 10046                  | 9649             |                     |                   |  |  |  |  |
| 37                            | OBS 230095 | OBS 23 95  | BOS 188403 | OBS 170051 | 0.0    |              |                 |           |       |      | 10565                     | 10568                    | 9157              | 9919                | 9643                   | 9648             |                     |                   |  |  |  |  |
| 38                            | OBS 230131 | OBS23131   | BOS 188403 | OBS 190140 | 1.6    |              |                 |           |       |      | 10065                     | 11467                    | 8154              | 9722                | 9243                   | 9147             |                     |                   |  |  |  |  |
| 39                            | OBS 230157 | OBS 23 157 | BOS 188403 | OBS 150156 | 3.7    |              |                 |           |       |      | 11466                     | 9768                     | 8258              | 10927               | 9844                   | 9649             |                     |                   |  |  |  |  |
| 40                            | OBS 230181 | OBS 23 181 | BOS 188403 | OBS 130231 | 0.0    |              |                 |           |       |      | 11667                     | 8965                     | 8856              | 11819               | 9041                   | 9247             |                     |                   |  |  |  |  |
| 41                            | OBS 230201 | OBS 23 201 | BOS 188403 | OBS 170059 | 0.0    |              |                 |           |       |      | 11765                     | 10068                    | 7357              | 11021               | 9943                   | 9548             |                     |                   |  |  |  |  |
| 42                            | OBS 230209 | OBS 23 209 | BOS 188403 | OBS 140255 | 0.9    |              |                 |           |       |      | 11466                     | 9169                     | 7259              | 12225               | 9643                   | 9049             |                     |                   |  |  |  |  |
| 43                            | OBS 230210 | OBS 23 210 | BOS 188403 | BC 170048  | 0.0    |              |                 |           |       |      | 11266                     | 10359                    | 8253              | 9924                | 10241                  | 9746             |                     |                   |  |  |  |  |
| 44                            | OBS 230250 | OBS 23 250 | BOS 188403 | OBS 190163 | 3.0    |              |                 |           |       |      | 10165                     | 10766                    | 8256              | 9722                | 10540                  | 9647             |                     |                   |  |  |  |  |
| 45                            | OBS 230255 | OBS 23 255 | BOS 188403 | OBS 190152 | 1.1    |              |                 |           |       |      | 10865                     | 10165                    | 8253              | 10020               | 10138                  | 9346             |                     |                   |  |  |  |  |
| 46                            | OBS 240053 | OBS 24 53  | BOS 211175 | OBS 210141 | 0.8    |              |                 |           |       |      | 9959                      | 10061                    | 8942              | 10514               | 10333                  | 9740             |                     |                   |  |  |  |  |
| 47                            | OBS 240151 | OBS 24 151 | BOS 177663 | OBS 160054 | 0.0    |              |                 |           |       |      | 9566                      | 11067                    | 9557              | 9532                | 10042                  | 9849             | 10123               | 9444              |  |  |  |  |
| 48                            | OBS 240181 | OBS 24 181 | BOS 122346 | OBS 170115 | 0.0    |              |                 |           |       |      | 8564                      | 10564                    | 10359             | 8843                | 10646                  | 9451             | 9222                | 8945              |  |  |  |  |
| 49                            | OBS 240217 | OBS 24 217 | BOS 188403 | OBS 130231 | 0.0    |              |                 |           |       |      | 11565                     | 9364                     | 8555              | 11419               | 8837                   | 9145             |                     |                   |  |  |  |  |
| 50                            | OBS 240221 | OBS 24 221 | BOS 211175 | OBS 180249 | 0.5    |              |                 |           |       |      | 10362                     | 9864                     | 9448              | 10617               | 10137                  | 9843             |                     |                   |  |  |  |  |
| 51                            | OBS 240281 | OBS24281   | OBS 210077 | OBS 220044 | 0.0    |              |                 |           |       |      | 10459                     | 9260                     | 10642             | 10922               | 9334                   | 9741             |                     |                   |  |  |  |  |
|                               |            |            |            |            |        |              |                 |           |       |      |                           |                          |                   |                     |                        |                  |                     |                   |  |  |  |  |

Selection List on Cow Value

Cows 2 years and older

| ID           |            | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       | Calving Ease Value | Calf Growth Value | Milk Value | Maint. Value | Fertility Value | Cow Value | Growth Value | Prod Value |           |  |
|--------------|------------|------------|------------|------------|--------------|-----------------|-----------|-------|--------------------|-------------------|------------|--------------|-----------------|-----------|--------------|------------|-----------|--|
| Sorted on ID |            |            |            |            |              |                 | nt821     | Q204X | F94L               | Genomic tested    | Acc        | Acc          | Acc             | Acc       | Acc          | Acc        |           |  |
|              |            |            |            |            |              |                 |           |       | ★★★★               |                   |            |              |                 |           |              |            |           |  |
| 1            | OBS 160145 | OBS16145   | PD 110244  | BOS 100801 | 0.0          |                 |           |       |                    |                   | 11075      | 9575         | 7477            | 11715     | 9556         | 8956       |           |  |
| 2            | OBS 170164 | OBS17164   | BOS 144003 | OBS 130002 | 0.0          |                 |           |       |                    |                   | 10871      | 8571         | 9474            | 12023     | 8451         | 8654       |           |  |
| 3            | OBS 180097 | OBS1897    | BOS 144003 | OBS 130293 | 0.0          |                 |           |       |                    |                   | 10472      | 9870         | 8774            | 11723     | 8051         | 8654       |           |  |
| 4            | OBS 190051 | OBS1951    | PD 110244  | OBS 130180 | 0.0          |                 |           |       |                    |                   | 10371      | 9567         | 9870            | 11311     | 8152         | 8851       |           |  |
| 5            | OBS 190056 | OBS1956    | PD 110244  | OBS 130293 | 0.0          |                 |           |       |                    |                   | 10072      | 9969         | 10372           | 10511     | 7552         | 8352       |           |  |
| 6            | OBS 190251 | OBS19251   | PD 110244  | OBS 130002 | 0.0          |                 |           |       |                    |                   | 11071      | 8470         | 10271           | 12011     | 8353         | 8952       |           |  |
| 7            | OBS 190258 | OBS19258   | PD 110244  | OBS 130063 | 0.0          |                 |           |       |                    |                   | 10672      | 9272         | 8573            | 11914     | 9053         | 8954       |           |  |
| 8            | OBS 210127 | OBS21127   | RG 150012  | OBS 170058 | 0.0          |                 |           |       |                    |                   | 11265      | 9056         | 9649            | 11222     | 8638         | 8943       |           |  |
| 9            | OBS 210210 | OBS21210   | BOS 066337 | OBS 150156 | 3.6          |                 |           |       |                    |                   | 9268       | 10170        | 10167           | 11347     | 8059         | 8958       | 95288452  |  |
| 10           | OBS 220152 | OBS22152   | S 177023   | SSS 199011 | 2.5          |                 |           |       |                    |                   | 9562       | 10666        | 8260            | 8926      | 10342        | 8748       |           |  |
| 11           | OBS 220257 | OBS22257   | BOS 188403 | OBS 180252 | 0.0          |                 |           |       |                    |                   | 10667      | 10368        | 7561            | 11219     | 9146         | 8949       |           |  |
| 12           | OBS 220258 | OBS22258   | BOS 188403 | OBS 190019 | 2.0          |                 |           |       |                    |                   | 11368      | 10069        | 6862            | 11421     | 9346         | 8850       |           |  |
| 13           | OBS 230011 | OBS 23 11  | BOS 122346 | BC 170011  | 0.0          |                 |           |       |                    |                   | 7867       | 10867        | 9856            | 9243      | 9552         | 8453       | 94288048  |  |
| 14           | OBS 230012 | OBS 23 12  | BOS 122346 | BC 170557  | 0.0          |                 |           |       |                    |                   | 9665       | 9568         | 9358            | 9743      | 9753         | 8453       | 84227747  |  |
| 15           | OBS 230046 | OBS 23 46  | BOS 188403 | PD 120402  | 0.0          |                 |           |       |                    |                   | 11668      | 8667         | 7461            | 11919     | 9542         | 8748       |           |  |
| 16           | OBS 230047 | OBS 23 47  | BOS 188403 | OBS 190042 | 0.0          |                 |           |       |                    |                   | 10268      | 10567        | 9255            | 10019     | 8447         | 8648       |           |  |
| 17           | OBS 230128 | OBS23128   | BOS 188403 | OBS 180116 | 2.3          |                 |           |       |                    |                   | 11065      | 10167        | 7356            | 10623     | 9641         | 8948       |           |  |
| 18           | OBS 230134 | OBS 23 134 | BOS 188403 | OBS 190056 | 0.0          |                 |           |       |                    |                   | 10365      | 10567        | 8655            | 9919      | 8242         | 8147       |           |  |
| 19           | OBS 230138 | OBS 23 138 | BOS 199077 | OBS 210017 | 0.0          |                 |           |       |                    |                   | 10854      | 9343         | 9127            | 10216     | 9426         | 8731       |           |  |
| 20           | OBS 230145 | OBS 23 145 | BOS 188403 | OBS 190051 | 0.0          |                 |           |       |                    |                   | 10665      | 9667         | 8855            | 11319     | 8542         | 8747       |           |  |
| 21           | OBS 230184 | OBS 23 184 | BOS 188403 | OBS 130062 | 0.0          |                 |           |       |                    |                   | 10765      | 10268        | 8058            | 9719      | 9840         | 8747       |           |  |
| 22           | OBS 230216 | OBS 23 216 | BOS 188403 | OBS 170247 | 3.6          |                 |           |       |                    |                   | 11167      | 9367         | 7655            | 11822     | 9045         | 8648       |           |  |
| 23           | OBS 230223 | OBS 23 223 | BOS 122346 | OBS 180132 | 0.0          |                 |           |       |                    |                   | 8565       | 11264        | 8858            | 8643      | 10050        | 8652       | 100228346 |  |
| 24           | OBS 230251 | OBS 23 251 | BOS 188403 | OBS 130293 | 0.0          |                 |           |       |                    |                   | 10765      | 9366         | 9257            | 11119     | 8138         | 8246       |           |  |
| 25           | OBS 230254 | OBS 23 254 | BOS 188403 | OBS 180145 | 0.0          |                 |           |       |                    |                   | 10564      | 10366        | 9054            | 9819      | 8742         | 8846       |           |  |
| 26           | OBS 230269 | OBS 23 269 | BOS 188403 | OBS 171410 | 0.0          |                 |           |       |                    |                   | 11659      | 9162         | 7949            | 11119     | 9334         | 8742       |           |  |
|              |            |            |            |            |              |                 |           |       | ★★★                |                   |            |              |                 |           |              |            |           |  |
| 1            | OBS 140089 | OBS 14 89  | PD 100075  | OBS 110024 | 0.0          |                 |           |       |                    |                   | 11973      | 8673         | 7581            | 11231     | 8751         | 7958       |           |  |

Selection List on Cow Value

Bull Calves younger than 2 years

| ID<br>Sorted on ID |            | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |   |   | Genomic tested | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|--------------------|------------|------------|------------|------------|--------------|-----------------|-----------|---|---|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                    |            |            |            |            |              |                 |           |   |   |                | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |
| 1                  | OBS 250138 | OBS 25 138 | OBS 200138 | OBS 160519 | 6.3          | HH              | 0         | 0 | 0 |                | 102 84                    | 116 85                   | 86 82             | 100 79              | 137 81                 | 132 75           | 107 79              | 126 76            |  |
|                    |            |            |            |            |              |                 |           |   |   |                | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |
| 1                  | OBS 250028 | OBS 25 28  | OBS 210077 | OBS 210179 | 0.9          | PcH             | 0         | 0 | 0 |                | 107 85                    | 96 85                    | 106 83            | 115 81              | 113 82                 | 120 76           | 102 80              | 114 77            |  |
| 2                  | OBS 250066 | OBS 25 66  | OBS 200138 | OBS 220245 | 4.1          |                 |           |   |   |                | 108 61                    | 120 62                   | 83 46             | 92 23               | 128 37                 | 125 43           |                     |                   |  |
| 3                  | OBS 260055 | OBS2655    | OBS 200138 | OBS 180014 | 3.6          | HH              | 0         | 0 | 0 |                | 120 84                    | 104 83                   | 81 82             | 111 79              | 121 80                 | 122 75           | 98 80               | 116 76            |  |
|                    |            |            |            |            |              |                 |           |   |   |                | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |
| 1                  | OBS 250030 | OBS 25 30  | BOS 188403 | OBS 100411 | 0.0          | HH              | 1         | 0 | 0 |                | 110 86                    | 122 86                   | 90 84             | 84 81               | 109 82                 | 114 77           | 106 80              | 110 78            |  |
| 2                  | OBS 250060 | OBS 25 60  | OBS 220208 | OBS 180236 | 5.0          | PcH             | 0         | 0 | 0 |                | 107 85                    | 111 85                   | 82 82             | 106 80              | 119 81                 | 118 76           | 94 80               | 111 77            |  |
| 3                  | OBS 250076 | OBS 25 76  | BOS 200505 | OBS 210072 | 1.7          |                 |           |   |   |                | 97 60                     | 105 63                   | 102 47            | 102 25              | 108 37                 | 110 44           | 102 24              | 105 40            |  |
| 4                  | OBS 250091 | OBS 25 91  | OBS 220204 | OBS 210007 | 0.0          |                 |           |   |   |                | 106 58                    | 101 59                   | 101 46            | 101 20              | 112 33                 | 112 41           | 97 21               | 106 37            |  |
| 5                  | OBS 250094 | OBS 25 94  | OBS 200138 | OBS 220288 | 3.6          | PcH             | 1         | 0 | 0 |                | 106 83                    | 119 83                   | 82 82             | 101 80              | 114 81                 | 118 75           | 100 80              | 112 76            |  |
| 6                  | OBS 250105 | OBS 25 105 | OBS 220208 | OBS 190032 | 3.1          | HH              | 0         | 0 | 0 |                | 97 85                     | 127 85                   | 95 82             | 84 80               | 104 81                 | 111 76           | 115 80              | 109 77            |  |
| 7                  | OBS 250134 | OBS 25 134 | OBS 200138 | OBS 200086 | 1.4          |                 |           |   |   |                | 116 60                    | 112 63                   | 77 46             | 101 17              | 120 34                 | 118 42           |                     |                   |  |
| 8                  | OBS 250145 | OBS 25 145 | OBS 200138 | OBS 160077 | 6.7          |                 |           |   |   |                | 108 62                    | 106 65                   | 85 51             | 113 19              | 115 38                 | 117 44           |                     |                   |  |
| 9                  | OBS 250149 | OBS 25 149 | OBS 200138 | OBS 170115 | 0.0          |                 |           |   |   |                | 117 59                    | 99 60                    | 94 47             | 104 13              | 116 28                 | 116 39           |                     |                   |  |
| 10                 | OBS 250196 | OBS 25 196 | OBS 220208 | OBS 190163 | 1.8          |                 |           |   |   |                | 94 63                     | 117 62                   | 92 48             | 88 20               | 126 34                 | 117 43           |                     |                   |  |
| 11                 | OBS 250232 | OBS 25 232 | OBS 210077 | OBS 170016 | 0.0          | HH              | 1         | 0 | 0 |                | 98 85                     | 104 85                   | 121 83            | 100 80              | 109 82                 | 119 76           | 106 80              | 115 77            |  |
| 12                 | OBS 260018 | OBS2618    | OBS 210077 | OBS 150026 | 1.8          |                 |           |   |   |                | 89 63                     | 110 56                   | 125 52            | 94 30               | 104 40                 | 116 45           |                     |                   |  |
| 13                 | OBS 260031 | OBS2631    | OBS 210077 | OBS 220019 | 1.8          |                 |           |   |   |                | 104 62                    | 99 54                    | 100 45            | 114 30              | 107 40                 | 112 43           |                     |                   |  |
| 14                 | OBS 260042 | OBS2642    | OBS 220208 | OBS 210179 | 2.5          |                 |           |   |   |                | 108 62                    | 108 54                   | 87 44             | 100 21              | 121 36                 | 117 41           |                     |                   |  |
| 15                 | OBS 260048 | OBS2648    | OBS 220208 | OBS 210219 | 2.8          |                 |           |   |   |                | 101 61                    | 112 52                   | 94 38             | 91 17               | 118 33                 | 114 38           |                     |                   |  |
| 16                 | OBS 260050 | OBS2650    | OBS 220208 | OBS 190282 | 3.1          |                 |           |   |   |                | 99 63                     | 115 55                   | 95 46             | 90 18               | 115 36                 | 112 41           |                     |                   |  |
| 17                 | OBS 260074 | OBS2674    | OBS 220095 | OBS 230174 | 4.8          |                 |           |   |   |                | 91 58                     | 105 49                   | 88 37             | 98 20               | 134 31                 | 115 37           |                     |                   |  |
| 18                 | OBS 260081 | OBS2681    | OBS 210077 | OBS 210021 | 0.0          |                 |           |   |   |                | 107 62                    | 90 55                    | 112 48            | 111 26              | 106 37                 | 111 43           | 98 23               | 106 39            |  |
|                    |            |            |            |            |              |                 |           |   |   |                | ★★★★★                     |                          |                   |                     |                        |                  |                     |                   |  |
| 1                  | OBS 250010 | OBS 25 10  | OBS 210077 | OBS 220209 | 4.6          |                 |           |   |   |                | 104 62                    | 95 63                    | 95 46             | 115 24              | 103 37                 | 104 44           |                     |                   |  |

Selection List on Cow Value

Bull Calves younger than 2 years

| ID<br>Sorted on ID |            | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |   |   | Genomic tested | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|--------------------|------------|------------|------------|------------|--------------|-----------------|-----------|---|---|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                    |            |            |            |            |              |                 |           |   |   |                | ★★★★☆                     |                          |                   |                     |                        |                  |                     |                   |  |
| 2                  | OBS 250029 | OBS 25 29  | BOS 211175 | OBS 170059 | 0.0          |                 |           |   |   |                | 115 62                    | 91 64                    | 88 48             | 114 14              | 109 37                 | 106 43           |                     |                   |  |
| 3                  | OBS 250048 | OBS 25 48  | OBS 220208 | OBS 170116 | 1.2          | HH              | 0         | 0 | 0 | 🇬🇧             | 103 85                    | 119 85                   | 81 83             | 85 81               | 118 82                 | 109 76           | 101 80              | 104 77            |  |
| 4                  | OBS 250061 | OBS 25 61  | OBS 210077 | OBS 220163 | 0.9          |                 |           |   |   |                | 110 62                    | 93 63                    | 94 46             | 119 25              | 99 37                  | 104 44           |                     |                   |  |
| 5                  | OBS 250078 | OBS 25 78  | OBS 220208 | OBS 160129 | 0.0          |                 |           |   |   |                | 96 62                     | 107 63                   | 97 49             | 94 16               | 112 32                 | 105 42           |                     |                   |  |
| 6                  | OBS 250082 | OBS 25 82  | BOS 211175 | OBS 190030 | 0.0          |                 |           |   |   |                | 97 61                     | 105 63                   | 117 48            | 91 14               | 102 36                 | 108 42           |                     |                   |  |
| 7                  | OBS 250133 | OBS 25 133 | OBS 200138 | OBS 171410 | 0.0          |                 |           |   |   |                | 121 44                    | 96 44                    | 78 40             | 110 13              | 113 26                 | 109 32           |                     |                   |  |
| 8                  | OBS 250182 | OBS 25 182 | BOS 188403 | OBS 210130 | 1.0          |                 |           |   |   |                | 111 65                    | 102 66                   | 80 53             | 111 23              | 103 41                 | 103 47           |                     |                   |  |
| 9                  | OBS 250185 | OBS 25 185 | OBS 220208 | OBS 160145 | 3.1          |                 |           |   |   |                | 105 63                    | 108 64                   | 83 49             | 97 18               | 111 37                 | 104 44           |                     |                   |  |
| 10                 | OBS 250214 | OBS 25 214 | OBS 220095 | OBS 220220 | 2.9          |                 |           |   |   |                | 94 58                     | 107 60                   | 89 42             | 93 19               | 113 31                 | 100 40           |                     |                   |  |
| 11                 | OBS 250217 | OBS 25 217 | OBS 220095 | OBS 230091 | 2.9          |                 |           |   |   |                | 94 58                     | 106 59                   | 96 42             | 93 19               | 114 32                 | 104 40           |                     |                   |  |
| 12                 | OBS 250222 | OBS 25 222 | OBS 220208 | OBS 210210 | 2.0          |                 |           |   |   |                | 94 62                     | 116 63                   | 94 46             | 90 28               | 104 39                 | 103 45           | 104 20              | 99 40             |  |
| 13                 | OBS 250239 | OBS 25 239 | OBS 220095 | OBS 230034 | 2.9          |                 |           |   |   |                | 99 58                     | 98 59                    | 89 42             | 102 19              | 116 31                 | 102 40           |                     |                   |  |
| 14                 | OBS 260006 | OBS 26 6   | OBS 210077 | OBS 220166 | 0.9          |                 |           |   |   |                | 106 62                    | 100 54                   | 92 45             | 111 25              | 109 38                 | 109 42           |                     |                   |  |
| 15                 | OBS 260010 | OBS 26 10  | OBS 210077 | BC 210011  | 0.0          |                 |           |   |   |                | 109 62                    | 96 52                    | 111 44            | 99 23               | 104 35                 | 108 40           |                     |                   |  |
| 16                 | OBS 260012 | OBS2612    | OBS 220208 | OBS 190026 | 3.1          |                 |           |   |   |                | 96 55                     | 113 53                   | 102 45            | 89 17               | 109 36                 | 108 39           |                     |                   |  |
| 17                 | OBS 260022 | OBS2622    | OBS 220208 | OBS 170195 | 1.2          |                 |           |   |   |                | 100 63                    | 114 53                   | 82 47             | 90 20               | 117 34                 | 107 41           |                     |                   |  |
| 18                 | OBS 260025 | OBS2625    | OBS 220208 | OBS 210161 | 2.2          |                 |           |   |   |                | 105 62                    | 113 54                   | 79 41             | 96 21               | 114 35                 | 107 40           |                     |                   |  |
| 19                 | OBS 260040 | OBS2640    | OBS 220208 | OBS 130292 | 0.0          |                 |           |   |   |                | 97 63                     | 109 52                   | 105 49            | 88 16               | 106 30                 | 105 40           |                     |                   |  |
| 20                 | OBS 260049 | OBS2649    | OBS 220208 | OBS 190258 | 6.3          |                 |           |   |   |                | 101 63                    | 109 55                   | 88 47             | 96 18               | 107 36                 | 102 41           |                     |                   |  |
| 21                 | OBS 260056 | OBS2656    | OBS 230163 | OBS 230032 | 4.1          | PcH             | 1         | 0 | 0 | 🇬🇧             | 72 85                     | 128 84                   | 83 83             | 84 81               | 116 82                 | 100 76           | 117 80              | 100 77            |  |
| 22                 | OBS 260061 | OBS2661    | OBS 220208 | OBS 190056 | 3.1          |                 |           |   |   |                | 98 63                     | 111 54                   | 97 47             | 91 17               | 100 36                 | 100 41           |                     |                   |  |
| 23                 | OBS 260065 | OBS2665    | OBS 210077 | OBS 220217 | 3.9          |                 |           |   |   |                | 103 62                    | 102 54                   | 102 44            | 104 24              | 102 37                 | 106 41           |                     |                   |  |
| 24                 | OBS 260077 | OBS2677    | OBS 220208 | OBS 130201 | 0.0          |                 |           |   |   |                | 105 63                    | 110 53                   | 85 50             | 94 17               | 116 34                 | 109 41           |                     |                   |  |
| 25                 | OBS 260099 | OBS2699    | OBS 210077 | OBS 200025 | 0.5          |                 |           |   |   |                | 101 62                    | 102 54                   | 93 47             | 111 23              | 106 36                 | 108 42           |                     |                   |  |
| 26                 | OBS 260106 | OBS26106   | JAN 222010 | OBS 180132 | 0.0          |                 |           |   |   |                | 100 54                    | 100 37                   | 102 40            | 115 15              | 99 26                  | 108 32           |                     |                   |  |
| 27                 | OBS 260108 | OBS26108   | OBS 220095 | OBS 230139 | 1.3          |                 |           |   |   |                | 92 57                     | 105 49                   | 89 36             | 97 20               | 117 30                 | 103 36           |                     |                   |  |
| 28                 | OBS 260109 | OBS26109   | OBS 210077 | OBS 210146 | 0.5          |                 |           |   |   |                | 106 62                    | 102 54                   | 96 43             | 108 25              | 99 37                  | 104 41           |                     |                   |  |
| 29                 | OBS 260118 | OBS26118   | OBS 230228 | OBS 230181 | 0.5          |                 |           |   |   |                | 119 56                    | 100 45                   | 82 36             | 113 12              | 102 28                 | 106 33           |                     |                   |  |
| 30                 | OBS 260126 | OBS26126   | OBS 220208 | OBS 210085 | 0.0          |                 |           |   |   |                | 100 62                    | 107 55                   | 103 46            | 95 22               | 107 35                 | 108 41           | 97 23               | 102 37            |  |
| 31                 | OBS 260132 | OBS26132   | OBS 220208 | OBS 190250 | 3.1          |                 |           |   |   |                | 103 62                    | 112 54                   | 94 45             | 92 18               | 108 36                 | 107 40           |                     |                   |  |

Selection List on Cow Value

Bull Calves younger than 2 years

| ID<br>Sorted on ID |            | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |   |   | Genomic tested                                                                        | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|--------------------|------------|------------|------------|------------|--------------|-----------------|-----------|---|---|---------------------------------------------------------------------------------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                    |            |            |            |            |              |                 |           |   |   |                                                                                       | ★★★★                      |                          |                   |                     |                        |                  |                     |                   |  |
| 1                  | OBS 250012 | OBS 25 12  | BOS 188403 | OBS 170195 | 3.6          | HH              | 1         | 0 | 0 |    | 98 86                     | 104 86                   | 76 84             | 99 81               | 105 83                 | 90 77            | 90 82               | 84 78             |  |
| 2                  | OBS 250016 | OBS 25 16  | BOS 188403 | OBS 190033 | 0.0          |                 |           |   |   |                                                                                       | 111 65                    | 92 67                    | 89 56             | 111 19              | 90 42                  | 90 47            |                     |                   |  |
| 3                  | OBS 250018 | OBS 25 18  | BOS 188403 | OBS 200101 | 2.8          |                 |           |   |   |                                                                                       | 111 65                    | 99 66                    | 71 52             | 118 23              | 93 40                  | 91 46            |                     |                   |  |
| 4                  | OBS 250020 | OBS 25 20  | BOS 166109 | OBS 130063 | 0.0          |                 |           |   |   |                                                                                       | 97 54                     | 94 57                    | 89 57             | 110 32              | 108 43                 | 97 45            |                     |                   |  |
| 5                  | OBS 250023 | OBS 25 23  | OBS 210077 | OBS 220152 | 0.9          |                 |           |   |   |                                                                                       | 97 61                     | 104 62                   | 96 46             | 95 25               | 102 36                 | 97 43            |                     |                   |  |
| 6                  | OBS 250040 | OBS 25 40  | OBS 210077 | OBS 220114 | 1.8          | PcH             | 0         | 0 | 0 |    | 95 84                     | 112 84                   | 89 82             | 100 80              | 93 81                  | 95 75            | 110 80              | 93 76             |  |
| 7                  | OBS 250051 | OBS 25 51  | BOS 188403 | OBS 170051 | 0.0          |                 |           |   |   |                                                                                       | 106 65                    | 98 67                    | 95 57             | 104 19              | 96 43                  | 96 47            |                     |                   |  |
| 8                  | OBS 250055 | OBS 25 55  | BOS 211175 | OBS 190056 | 0.0          |                 |           |   |   |                                                                                       | 101 61                    | 97 63                    | 99 47             | 102 14              | 92 35                  | 91 42            |                     |                   |  |
| 9                  | OBS 250064 | OBS 25 64  | BOS 211175 | OBS 140089 | 0.5          |                 |           |   |   |                                                                                       | 114 62                    | 87 64                    | 87 50             | 110 20              | 98 35                  | 91 44            |                     |                   |  |
| 10                 | OBS 250075 | OBS 25 75  | BOS 211175 | OBS 190258 | 0.0          |                 |           |   |   |                                                                                       | 103 62                    | 95 63                    | 90 47             | 109 14              | 99 36                  | 95 42            |                     |                   |  |
| 11                 | OBS 250111 | OBS 25 111 | BOS 188403 | OBS 210242 | 1.9          |                 |           |   |   |                                                                                       | 115 64                    | 93 66                    | 79 53             | 117 23              | 103 40                 | 99 46            |                     |                   |  |
| 12                 | OBS 250112 | OBS 25 112 | BOS 188403 | OBS 180018 | 0.0          |                 |           |   |   |                                                                                       | 116 64                    | 92 67                    | 94 56             | 103 19              | 101 39                 | 98 46            |                     |                   |  |
| 13                 | OBS 250116 | OBS 25 116 | BOS 188403 | OBS 200147 | 2.8          |                 |           |   |   |                                                                                       | 109 65                    | 105 67                   | 69 54             | 112 23              | 92 41                  | 90 47            |                     |                   |  |
| 14                 | OBS 250142 | OBS 25 142 | BOS 188403 | OBS 210138 | 1.0          |                 |           |   |   |                                                                                       | 108 64                    | 102 66                   | 78 52             | 110 23              | 98 40                  | 95 46            |                     |                   |  |
| 15                 | OBS 250146 | OBS 25 146 | BOS 188403 | OBS 160006 | 0.0          |                 |           |   |   |                                                                                       | 110 66                    | 104 68                   | 85 57             | 98 19               | 97 42                  | 94 48            |                     |                   |  |
| 16                 | OBS 250183 | OBS 25 183 | OBS 220095 | OBS 220257 | 2.9          |                 |           |   |   |                                                                                       | 93 58                     | 98 60                    | 86 42             | 111 19              | 110 32                 | 98 40            |                     |                   |  |
| 17                 | OBS 250211 | OBS 25 211 | OBS 220095 | OBS 230081 | 2.9          |                 |           |   |   |                                                                                       | 94 58                     | 99 59                    | 87 42             | 102 19              | 113 31                 | 98 40            |                     |                   |  |
| 18                 | OBS 250223 | OBS 25 223 | OBS 220095 | OBS 220258 | 4.0          |                 |           |   |   |                                                                                       | 102 58                    | 94 60                    | 81 42             | 112 20              | 111 33                 | 98 40            |                     |                   |  |
| 19                 | OBS 250230 | OBS 25 230 | BOS 188403 | OBS 210144 | 3.8          |                 |           |   |   |                                                                                       | 107 64                    | 103 66                   | 73 54             | 113 24              | 100 41                 | 96 47            |                     |                   |  |
| 20                 | OBS 250235 | OBS 25 235 | OBS 210077 | OBS 160131 | 0.0          |                 |           |   |   |                                                                                       | 95 59                     | 98 60                    | 108 48            | 97 22               | 98 32                  | 95 42            |                     |                   |  |
| 21                 | OBS 260013 | OBS2613    | OBS 210077 | OBS 190051 | 0.0          |                 |           |   |   |                                                                                       | 107 63                    | 97 54                    | 103 49            | 108 23              | 90 38                  | 97 42            |                     |                   |  |
| 22                 | OBS 260019 | OBS2619    | OBS 210077 | OBS 180229 | 0.0          |                 |           |   |   |                                                                                       | 104 63                    | 99 55                    | 99 50             | 107 23              | 95 38                  | 99 43            |                     |                   |  |
| 23                 | OBS 260039 | OBS2639    | OBS 210077 | OBS 180097 | 1.4          |                 |           |   |   |                                                                                       | 100 63                    | 101 55                   | 99 50             | 110 25              | 89 38                  | 96 43            |                     |                   |  |
| 24                 | OBS 260075 | OBS2675    | OBS 210077 | OBS 230047 | 3.9          |                 |           |   |   |                                                                                       | 99 62                     | 104 54                   | 101 43            | 100 24              | 91 37                  | 95 41            |                     |                   |  |
|                    |            |            |            |            |              |                 |           |   |   |                                                                                       | ★★★★                      |                          |                   |                     |                        |                  |                     |                   |  |
| 1                  | OBS 250047 | OBS 25 47  | BOS 188403 | OBS 130292 | 0.0          | HH              | 1         | 0 | 0 |  | 107 85                    | 107 85                   | 86 83             | 91 80               | 91 82                  | 88 76            | 103 80              | 85 77             |  |
| 2                  | OBS 250121 | OBS 25 121 | BOS 188403 | OBS 180249 | 3.9          |                 |           |   |   |                                                                                       | 108 65                    | 102 68                   | 81 56             | 104 22              | 91 43                  | 89 48            |                     |                   |  |
| 3                  | OBS 250177 | OBS 25 177 | BOS 188403 | OBS 210251 | 0.6          |                 |           |   |   |                                                                                       | 102 62                    | 105 65                   | 88 50             | 98 19               | 91 39                  | 88 44            |                     |                   |  |
| 4                  | OBS 250179 | OBS 25 179 | BOS 188403 | OBS 210054 | 0.0          |                 |           |   |   |                                                                                       | 106 64                    | 99 66                    | 96 54             | 101 24              | 82 41                  | 86 47            | 95 22               | 81 42             |  |

Selection List on Cow Value  
Heifers younger than 2 years

| ID<br><div>Sorted on ID</div> | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       |      |                | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|-------------------------------|------------|------------|------------|--------------|-----------------|-----------|-------|------|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                               |            |            |            |              |                 | nt821     | Q204X | F94L | Genomic tested |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                               |            |            |            |              |                 |           |       |      |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                               |            |            |            |              |                 |           |       |      |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
| 1                             | OBS 250056 | OBS 25 56  | OBS 220208 | OBS 190093   | 4.1             |           |       |      |                | 9163                      | 12355                    | 10447             | 8520                | 12037                  | 12242            |                     |                   |  |
| 2                             | OBS 250126 | OBS 25 126 | OBS 200138 | OBS 190025   | 6.3             |           |       |      |                | 11762                     | 10564                    | 9250              | 10714               | 12537                  | 12943            |                     |                   |  |
| 3                             | OBS 250127 | OBS 25 127 | OBS 200138 | OBS 190170   | 0.9             |           |       |      |                | 10261                     | 11664                    | 8449              | 9914                | 12535                  | 12142            |                     |                   |  |
| 4                             | OBS 250129 | OBS 25 129 | OBS 200138 | OBS 200071   | 0.2             |           |       |      |                | 11661                     | 11063                    | 8948              | 9614                | 12833                  | 12742            |                     |                   |  |
| 5                             | OBS 250131 | OBS 25 131 | OBS 200138 | OBS 190157   | 0.9             |           |       |      |                | 10161                     | 12863                    | 8048              | 8514                | 12534                  | 12042            |                     |                   |  |
| 6                             | OBS 260130 | OBS26130   | OBS 200138 | BOS 188724   | 2.5             |           |       |      |                | 11758                     | 10954                    | 8546              | 10022               | 11936                  | 12041            |                     |                   |  |
|                               |            |            |            |              |                 |           |       |      |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                               |            |            |            |              |                 |           |       |      |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
| 1                             | OBS 250017 | OBS 25 17  | OBS 210077 | OBS 220193   | 1.8             |           |       |      |                | 9360                      | 10562                    | 11244             | 9722                | 11334                  | 11442            |                     |                   |  |
| 2                             | OBS 250052 | OBS 25 52  | OBS 220208 | OBS 140255   | 3.7             |           |       |      |                | 10763                     | 9765                     | 8551              | 11523               | 11538                  | 11045            |                     |                   |  |
| 3                             | OBS 250077 | OBS 25 77  | BOS 188650 | BOS 188724   | 4.6             |           |       |      |                | 11957                     | 10567                    | 8251              | 11227               | 10742                  | 11446            | 9422                | 10741             |  |
| 4                             | OBS 250079 | OBS 25 79  | OBS 200138 | OBS 220092   | 0.5             |           |       |      |                | 10459                     | 11761                    | 9044              | 9220                | 11934                  | 11941            |                     |                   |  |
| 5                             | OBS 250097 | OBS 25 97  | OBS 200138 | BOS 177453   | 2.5             |           |       |      |                | 11146                     | 11254                    | 8545              | 9824                | 11938                  | 11739            |                     |                   |  |
| 6                             | OBS 250107 | OBS 25 107 | OBS 220208 | OBS 150156   | 1.9             |           |       |      |                | 10364                     | 10964                    | 9451              | 9426                | 11739                  | 11246            |                     |                   |  |
| 7                             | OBS 250118 | OBS 25 118 | OBS 200138 | OBS 180116   | 3.1             |           |       |      |                | 12061                     | 9964                     | 7649              | 11718               | 11535                  | 11443            |                     |                   |  |
| 8                             | OBS 250122 | OBS 25 122 | OBS 200138 | OBS 180231   | 6.3             |           |       |      |                | 11862                     | 10164                    | 7650              | 11114               | 11736                  | 11343            |                     |                   |  |
| 9                             | OBS 250125 | OBS 25 125 | OBS 200138 | OBS 160140   | 6.3             |           |       |      |                | 12162                     | 10364                    | 7449              | 10914               | 11236                  | 11043            |                     |                   |  |
| 10                            | OBS 250139 | OBS 25 139 | OBS 200138 | OBS 190038   | 6.3             |           |       |      |                | 11661                     | 11064                    | 7449              | 10514               | 11236                  | 11143            |                     |                   |  |
| 11                            | OBS 250141 | OBS 25 141 | OBS 200138 | OBS 230042   | 4.0             |           |       |      |                | 11361                     | 10361                    | 8345              | 11325               | 11236                  | 11443            |                     |                   |  |
| 12                            | OBS 250195 | OBS 25 195 | OBS 220208 | OBS 200049   | 1.1             |           |       |      |                | 9462                      | 12363                    | 9647              | 8119                | 11834                  | 11543            |                     |                   |  |
| 13                            | OBS 250220 | OBS 25 220 | OBS 220208 | OBS 160531   | 0.5             |           |       |      |                | 10163                     | 11064                    | 9350              | 9420                | 11536                  | 11044            |                     |                   |  |
| 14                            | OBS 260028 | OBS2628    | OBS 220208 | OBS 170051   | 3.1             |           |       |      |                | 9963                      | 11455                    | 10148             | 8917                | 11436                  | 11441            |                     |                   |  |
| 15                            | OBS 260053 | OBS2653    | OBS 220208 | OBS 170059   | 3.1             |           |       |      |                | 10763                     | 11155                    | 8448              | 9518                | 11737                  | 11242            |                     |                   |  |
| 16                            | OBS 260059 | OBS2659    | OBS 210077 | OBS 210105   | 0.0             |           |       |      |                | 10163                     | 10555                    | 10748             | 10127               | 10538                  | 11143            | 10824               | 10739             |  |
| 17                            | OBS 260078 | OBS2678    | OBS 220208 | OBS 150194   | 3.1             |           |       |      |                | 10264                     | 10955                    | 9347              | 9217                | 11936                  | 11241            |                     |                   |  |
| 18                            | OBS 260107 | OBS26107   | JAN 222010 | OBS 230005   | 5.9             |           |       |      |                | 10356                     | 10341                    | 9737              | 11318               | 10331                  | 11134            |                     |                   |  |
|                               |            |            |            |              |                 |           |       |      |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                               |            |            |            |              |                 |           |       |      |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
| 1                             | OBS 250007 | OBS 25 7   | BOS 211175 | OBS 210219   | 0.6             |           |       |      |                | 11060                     | 9651                     | 9537              | 10113               | 10933                  | 10437            |                     |                   |  |
| 2                             | OBS 250008 | OBS 25 8   | OBS 210077 | OBS 220168   | 0.9             |           |       |      |                | 10162                     | 10562                    | 9647              | 10825               | 10038                  | 10644            |                     |                   |  |

Selection List on Cow Value

Heifers younger than 2 years

| ID<br>Name<br><div>Sorted on ID</div> |            | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |       |      | Genomic tested | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|---------------------------------------|------------|------------|------------|--------------|-----------------|-----------|-------|------|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                                       |            |            |            |              |                 | nt821     | Q204X | F94L |                |                           |                          |                   |                     |                        |                  |                     |                   |  |
|                                       |            |            |            |              |                 |           |       |      |                | ★★★★☆                     |                          |                   |                     |                        |                  |                     |                   |  |
| 3                                     | OBS 250014 | OBS 25 14  | BOS 211175 | OBS 180014   | 0.5             |           |       |      |                | 10461                     | 9663                     | 10047             | 10016               | 11434                  | 10742            |                     |                   |  |
| 4                                     | OBS 250015 | OBS 25 15  | BOS 188403 | OBS 180026   | 0.0             |           |       |      |                | 11665                     | 9367                     | 8655              | 11119               | 10240                  | 10047            |                     |                   |  |
| 5                                     | OBS 250032 | OBS 25 32  | OBS 210077 | OBS 220222   | 4.0             |           |       |      |                | 10562                     | 9662                     | 9046              | 11725               | 9936                   | 10144            |                     |                   |  |
| 6                                     | OBS 250039 | OBS 25 39  | BOS 211175 | OBS 210013   | 0.5             |           |       |      |                | 10560                     | 8763                     | 10546             | 11522               | 9936                   | 10143            | 8822                | 9439              |  |
| 7                                     | OBS 250057 | OBS 25 57  | OBS 220208 | OBS 210052   | 0.0             |           |       |      |                | 9662                      | 10963                    | 10446             | 9222                | 10535                  | 10543            | 9723                | 10039             |  |
| 8                                     | OBS 250059 | OBS 25 59  | OBS 220208 | OBS 200127   | 2.5             |           |       |      |                | 10262                     | 11063                    | 8445              | 10221               | 10836                  | 10543            |                     |                   |  |
| 9                                     | OBS 250073 | OBS 25 73  | BOS 211175 | OBS 160076   | 0.0             |           |       |      |                | 10062                     | 9363                     | 9848              | 11114               | 10735                  | 10342            |                     |                   |  |
| 10                                    | OBS 250074 | OBS 25 74  | OBS 220204 | OBS 210012   | 0.0             |           |       |      |                | 10758                     | 9960                     | 9146              | 11221               | 10133                  | 10341            | 8921                | 9637              |  |
| 11                                    | OBS 250083 | OBS 25 83  | OBS 220208 | OBS 210085   | 0.0             |           |       |      |                | 10162                     | 10564                    | 10446             | 9622                | 10736                  | 10843            | 9623                | 10239             |  |
| 12                                    | OBS 250085 | OBS 25 85  | OBS 220208 | OBS 130185   | 0.0             |           |       |      |                | 10762                     | 10653                    | 7747              | 10417               | 11234                  | 10440            |                     |                   |  |
| 13                                    | OBS 250102 | OBS 25 102 | BOS 188403 | OBS 200148   | 1.9             |           |       |      |                | 10965                     | 10866                    | 7554              | 10423               | 10741                  | 10247            |                     |                   |  |
| 14                                    | OBS 250132 | OBS 25 132 | OBS 200138 | OBS 171410   | 0.0             |           |       |      |                | 12144                     | 9644                     | 7840              | 11013               | 11226                  | 10832            |                     |                   |  |
| 15                                    | OBS 250143 | OBS 25 143 | OBS 200138 | OBS 190251   | 6.3             |           |       |      |                | 12161                     | 9363                     | 8848              | 11714               | 10436                  | 10942            |                     |                   |  |
| 16                                    | OBS 250194 | OBS 25 194 | OBS 220208 | OBS 170164   | 1.2             |           |       |      |                | 10263                     | 10263                    | 9548              | 9920                | 10536                  | 10143            |                     |                   |  |
| 17                                    | OBS 250201 | OBS 25 201 | OBS 220095 | OBS 230017   | 2.9             |           |       |      |                | 9258                      | 10659                    | 8642              | 9319                | 11732                  | 10040            |                     |                   |  |
| 18                                    | OBS 250204 | OBS 25 204 | OBS 220095 | OBS 230035   | 3.9             |           |       |      |                | 9258                      | 10460                    | 9242              | 9920                | 11733                  | 10440            |                     |                   |  |
| 19                                    | OBS 250207 | OBS 25 207 | OBS 220095 | OBS 230083   | 2.9             |           |       |      |                | 9558                      | 9859                     | 9141              | 10219               | 11333                  | 10040            |                     |                   |  |
| 20                                    | OBS 250229 | OBS 25 229 | OBS 210077 | OBS 210100   | 0.3             |           |       |      |                | 9962                      | 10764                    | 10850             | 9827                | 10339                  | 10946            | 11224               | 10742             |  |
| 21                                    | OBS 250234 | OBS 25 234 | OBS 220095 | OBS 230049   | 6.7             |           |       |      |                | 9858                      | 10060                    | 8143              | 11421               | 11934                  | 10941            |                     |                   |  |
| 22                                    | OBS 260009 | OBS 26 9   | OBS 220208 | OBS 160076   | 3.1             |           |       |      |                | 9463                      | 11454                    | 9248              | 9117                | 11635                  | 10941            |                     |                   |  |
| 23                                    | OBS 260015 | OBS2615    | OBS 210077 | OBS 210158   | 0.5             |           |       |      |                | 10662                     | 10355                    | 8846              | 11225               | 10438                  | 10742            |                     |                   |  |
| 24                                    | OBS 260023 | OBS2623    | OBS 210077 | OBS 180252   | 0.0             |           |       |      |                | 10063                     | 10155                    | 10150             | 10923               | 9439                   | 10043            |                     |                   |  |
| 25                                    | OBS 260029 | OBS2629    | OBS 220208 | OBS 200101   | 1.1             |           |       |      |                | 10262                     | 11354                    | 7943              | 9821                | 11134                  | 10540            |                     |                   |  |
| 26                                    | OBS 260067 | OBS2667    | OBS 220095 | OBS 230116   | 4.7             |           |       |      |                | 9957                      | 10046                    | 8235              | 10320               | 11629                  | 10135            |                     |                   |  |
| 27                                    | OBS 260072 | OBS2672    | OBS 220211 | OBS 180115   | 3.4             |           |       |      |                | 9059                      | 11446                    | 9644              | 9118                | 10733                  | 10337            |                     |                   |  |
| 28                                    | OBS 260120 | OBS26120   | OBS 230228 | OBS 230216   | 0.8             |           |       |      |                | 11555                     | 10346                    | 7636              | 11213               | 10229                  | 10234            |                     |                   |  |
| 29                                    | OBS 260122 | OBS26122   | OBS 230228 | OBS 230223   | 0.2             |           |       |      |                | 10456                     | 11145                    | 8237              | 9423                | 10731                  | 10136            |                     |                   |  |
| 30                                    | OBS 260129 | OBS26129   | OBS 220227 | OBS 190093   | 1.7             |           |       |      |                | 10058                     | 10849                    | 9745              | 10416               | 10135                  | 10738            |                     |                   |  |
|                                       |            |            |            |              |                 |           |       |      |                | ★★★★                      |                          |                   |                     |                        |                  |                     |                   |  |
| 1                                     | OBS 250022 | OBS 25 22  | BOS 188403 | OBS 150194   | 0.0             |           |       |      |                | 11167                     | 9567                     | 8456              | 11019               | 10042                  | 9647             |                     |                   |  |

Selection List on Cow Value

Heifers younger than 2 years

| ID<br>Name<br><div>Sorted on ID</div> |            | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |  | Genomic tested | Calving Ease Value<br>Acc | Calf Growth Value<br>Acc | Milk Value<br>Acc | Maint. Value<br>Acc | Fertility Value<br>Acc | Cow Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc |  |
|---------------------------------------|------------|------------|------------|--------------|-----------------|-----------|--|----------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|---------------------|-------------------|--|
|                                       |            |            |            |              |                 |           |  |                | ★★★★                      |                          |                   |                     |                        |                  |                     |                   |  |
| 2                                     | OBS 250031 | OBS 25 31  | BOS 188403 | OBS 130201   | 0.0             |           |  |                | 11566                     | 9966                     | 7558              | 11020               | 9840                   | 9447             |                     |                   |  |
| 3                                     | OBS 250034 | OBS 25 34  | BOS 188403 | OBS 200092   | 0.9             |           |  |                | 11765                     | 9667                     | 7053              | 11723               | 10140                  | 9647             |                     |                   |  |
| 4                                     | OBS 250037 | OBS 25 37  | BOS 177663 | PD 070242    | 0.0             |           |  |                | 7366                      | 13969                    | 9459              | 7434                | 9642                   | 9651             | 13324               | 9946              |  |
| 5                                     | OBS 250038 | OBS 25 38  | BOS 188403 | OBS 170196   | 0.0             |           |  |                | 10965                     | 10167                    | 8455              | 10720               | 9242                   | 9247             |                     |                   |  |
| 6                                     | OBS 250054 | OBS 25 54  | BOS 211175 | OBS 160518   | 0.0             |           |  |                | 9862                      | 9563                     | 10247             | 10314               | 9736                   | 9342             |                     |                   |  |
| 7                                     | OBS 250062 | OBS 25 62  | BOS 211175 | OBS 190250   | 0.0             |           |  |                | 10462                     | 9954                     | 9544              | 10314               | 10036                  | 9840             |                     |                   |  |
| 8                                     | OBS 250065 | OBS 25 65  | BOS 211175 | OBS 210161   | 0.9             |           |  |                | 10460                     | 10153                    | 8140              | 10918               | 10634                  | 9939             |                     |                   |  |
| 9                                     | OBS 250071 | OBS 25 71  | BOS 211175 | OBS 110203   | 0.0             |           |  |                | 9861                      | 10662                    | 8650              | 9012                | 11231                  | 9841             |                     |                   |  |
| 10                                    | OBS 250106 | OBS 25 106 | BOS 188403 | OBS 200085   | 5.0             |           |  |                | 10964                     | 10265                    | 8052              | 11122               | 9840                   | 9746             |                     |                   |  |
| 11                                    | OBS 250109 | OBS 25 109 | BOS 188403 | OBS 200061   | 2.4             |           |  |                | 10565                     | 10765                    | 7155              | 11224               | 9841                   | 9547             |                     |                   |  |
| 12                                    | OBS 250137 | OBS 25 137 | BOS 177663 | OBS 160054   | 0.0             |           |  |                | 9666                      | 10768                    | 9757              | 9632                | 10042                  | 9850             | 10023               | 9445              |  |
| 13                                    | OBS 250157 | OBS 25 157 | BOS 188403 | OBS 210203   | 2.9             |           |  |                | 10964                     | 10466                    | 7352              | 10723               | 9740                   | 9346             |                     |                   |  |
| 14                                    | OBS 250213 | OBS 25 213 | BOS 188403 | OBS 210141   | 1.0             |           |  |                | 10863                     | 10265                    | 7752              | 11020               | 9339                   | 9045             |                     |                   |  |
| 15                                    | OBS 250215 | OBS 25 215 | OBS 220034 | OBS 230010   | 3.2             |           |  |                | 8057                      | 11957                    | 9243              | 8624                | 10234                  | 9340             |                     |                   |  |
| 16                                    | OBS 250216 | OBS 25 216 | OBS 220095 | OBS 220256   | 6.3             |           |  |                | 10058                     | 9950                     | 8538              | 10320               | 10932                  | 9737             |                     |                   |  |
| 17                                    | OBS 250228 | OBS 25 228 | OBS 220095 | OBS 230046   | 2.9             |           |  |                | 10158                     | 9059                     | 8442              | 11319               | 11131                  | 9740             |                     |                   |  |
| 18                                    | OBS 260007 | OBS 26 7   | OBS 210077 | OBS 230011   | 6.3             |           |  |                | 8962                      | 10554                    | 10444             | 9631                | 9638                   | 9443             | 10520               | 9138              |  |
| 19                                    | OBS 260064 | OBS2664    | OBS 210077 | OBS 210127   | 0.0             |           |  |                | 10762                     | 9651                     | 10341             | 10625               | 9235                   | 9740             |                     |                   |  |
| 20                                    | OBS 260069 | OBS2669    | OBS 210077 | OBS 170058   | 0.0             |           |  |                | 10463                     | 10055                    | 9749              | 10723               | 9439                   | 9943             |                     |                   |  |
| 21                                    | OBS 260090 | OBS2690    | OBS 220204 | OBS 190042   | 0.0             |           |  |                | 10158                     | 10649                    | 9246              | 10315               | 9835                   | 9938             |                     |                   |  |
| 22                                    | OBS 260102 | OBS26102   | OBS 220115 | OBS 220030   | 0.6             |           |  |                | 9455                      | 10841                    | 8440              | 10114               | 9928                   | 9233             |                     |                   |  |
|                                       |            |            |            |              |                 |           |  |                | ★★★★☆                     |                          |                   |                     |                        |                  |                     |                   |  |
| 1                                     | OBS 250013 | OBS 25 13  | BOS 188403 | OBS 190019   | 2.0             |           |  |                | 11165                     | 10367                    | 7356              | 10321               | 9343                   | 8748             |                     |                   |  |
| 2                                     | OBS 250024 | OBS 25 24  | BOS 188403 | OBS 190026   | 0.0             |           |  |                | 10165                     | 10566                    | 9154              | 9719                | 9042                   | 8946             |                     |                   |  |
| 3                                     | OBS 250148 | OBS 25 148 | BOS 188403 | OBS 160144   | 0.0             |           |  |                | 11461                     | 8964                     | 8554              | 10719               | 9235                   | 8544             |                     |                   |  |
|                                       |            |            |            |              |                 |           |  |                | ★★★                       |                          |                   |                     |                        |                  |                     |                   |  |
| 1                                     | OBS 260033 | OBS2633    | OBS 220034 | OBS 140089   | 3.5             |           |  |                | 9959                      | 9850                     | 8550              | 9627                | 9236                   | 7941             |                     |                   |  |

|                     | EBVi                  | Description / Measurement                                                                            | Goal                           | Low Value      | High Value     |
|---------------------|-----------------------|------------------------------------------------------------------------------------------------------|--------------------------------|----------------|----------------|
| Selection Values    | Calving Ease Value    | Difficult calving due to high birth weight                                                           | Average birth weight           | High           | Low            |
|                     | Calf Growth Value     | Calf's genetic ability for prewean growth                                                            | Heavy weaner                   | Light          | Heavy          |
|                     | Milk Value            | Cow's genetic mothering and milking ability                                                          | Enough milk for calf           | Less           | More           |
|                     | Maintenance Value     | Maintenance requirement of cow (weight and milk)                                                     | Low cow maintenance            | High           | Low            |
|                     | Fertility Value       | Fertility and retention of cows and heifers                                                          | Fertile cows                   | Low            | High           |
|                     | Cow Value             | Combination of calving ease, calf growth, milk, maintenance and fertility values (Rand-value per Ha) | Profitable cows                | Loss           | Profit         |
|                     | Weaner Calf Value     | Heavier weaners and more milk, with lower birth and cow weights                                      | Heavy weaner                   | Light          | Heavy          |
|                     | Growth Value          | Efficient growth on veld and in feedlot (Rand-value per animal)                                      | Profitable growth              | Loss           | Profit         |
|                     | Production Value      | Combination of Cow- and Growth Values (Rand-value)                                                   | Profitable animals             | Loss           | Profit         |
|                     | Carcass Value         | Meat on carcass (Weight and RTU EBVs)                                                                | Meat on carcass                | Less           | More           |
| Birth               | Cow weight - birth    | Cow weight at birth of calves                                                                        | Mature cow weight              | Light          | Heavy          |
|                     | Birth weight direct   | Birth weight (Calf's genetic ability)                                                                | Average birth weight           | Heavy          | Light          |
|                     | Cow-Calf birth        | EBV Birth dir / EBV Mature cow weight                                                                | Average                        | Low            | High           |
| Wean                | Cow Weight wean       | Cow weight at weaning of calves                                                                      | Mature cow weight              | Light          | Heavy          |
|                     | Weaning weight direct | Weaning weight (Calf's genetic ability)                                                              | Heavy weaners                  | Light          | Heavy          |
|                     | Weaning weight mat    | Weaning weight (Dam's genetic ability)                                                               | Good mothers                   | Poor           | Good           |
|                     | Cow-Calf Wean         | EBV Wean dir / EBV Mature cow weight                                                                 | High cow-calf ratio            | Low            | High           |
| Growth & Adaptation | Post-Wean weight      | 12- and 18mnth weights                                                                               | Post-wean growth               | Low            | High           |
|                     | Ave. Daily Gain       | Average daily gain in growth test (Phase C and D)                                                    | Good growth                    | Poor           | Good           |
|                     | Veld Growth           | ADG on veld (Phase B)                                                                                | Good adaptation                | Poor           | Good           |
|                     | Feed Conversion Ratio | 100g feed intake /g weight gain                                                                      | Feed Efficiency                | Poor           | Good           |
|                     | Final Test Weight     | Final weight in growth test (Phase C and D)                                                          | Heavy Carcasses                | Light          | Heavy          |
|                     | Skin Thickness        | Measured in growth tests                                                                             | Thicker skin                   | Thin           | Thick          |
| Fertility           | Scrotal Circumference | Scrotal circumference in growth test                                                                 | Fertile bulls                  | Less           | More           |
|                     | Heifer Fertility      | Age at first calving                                                                                 | Fertile heifers                | Less           | More           |
|                     | Cow Fertility         | First 3 inter-calving periods (ICPs)                                                                 | Fertile cows                   | Less           | More           |
|                     | Longevity             | Retention of progeny                                                                                 | Acceptable progeny             | Poor           | Good           |
| Frame               | Height                | Shoulder / Hip height in growth test                                                                 | Average height                 | Short          | Tall           |
|                     | Length                | Length in growth test                                                                                | Longer (more meat)             | Short          | Long           |
|                     | Length:Height         | EBV Length / EBV Height                                                                              | Longer, not higher             | Less desirable | More desirable |
| Carcass             | Eye Muscle Area       | RTU Eye muscle area                                                                                  | Muscle in carcass              | Small          | Big            |
|                     | Fat                   | RTU P8 Backfat Thickness                                                                             | Carcass quality & adaptability | Thin           | Thick          |
|                     | Marbling              | RTU % Marbling                                                                                       | Juicy meat                     | Low            | High           |
|                     | Dressing%             | Carcass weight / Live weight                                                                         | High dressing %                | Low            | High           |

## Notes on the interpretation of EBVs, EBVi's, sub-values and selection values

**EBVi (EBVindex)** is the breeding value index and is easier to interpret than the breeding value, especially for commercial farmers buying from stud farmers. The base of a breeding value index is 100, which is the average of all the live animals in the breed, and all values are expressed relative to this value. Values above 100 are always in a more desirable direction: an index of 105 for AFC indicates a genetic potential to calve earlier. Note that a very high index is not always desirable. For certain traits, such as birth weight, average values can 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 breeds and traits). Higher values for certain traits are better while lower values for other traits are better, for example, an EBV of -2 for AFC (age at first calving) indicates that the animal has the genetic potential to calve 2 days earlier than the average heifer in 1990 (the base year). Earlier calving is better and therefore low breeding values (high breeding value indices) are better. For weaning weight, higher values are better.

**Sub-values** combine similar breeding values in a scientific manner to simplify the selection of animals. For example, AFC (age at first calving) and ICP (inter-calving period) are combined to form the sub-value Fertility 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.

**Selection Values (Cow Value and Growth Value)** combine the sub-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.

### How to use breeding values to select animals

Selecting animals on breeding values is easy if you know how. There is a common saying that “good nutrition can mask poor breeding”. This is very true. If an animal that is genetically inferior is fed well, it can appear as a great animal. This great performance will not be passed over to future generations. An animal that is genetically superior can appear to be inferior if its environment did not allow it to reach its true potential. It is best to select animals that are most adapted to the environment and can reach their full potential. To continuously adapt the environment to the animal can be expensive.

The reason why the use of breeding values is such a valuable tool is because it “removes” the environmental effect that contributes to the performance.

Scientific methods are used to determine how much of the performance is due to genetics and to identify genetically superior animals. This involves the measurement of animals under controlled environments, complete record keeping and pedigree information. *If performance recording and pedigree information are not done correctly, breeding values of these animals will not be useful.* Keep in mind that breeding is a long-term option: the effect of a bull selected/bought today will only show much later. If it is a good decision, his daughters will become part of the breeding herd and contribute to overall profitability in future.

Even if a bull is not perfect in all aspects, knowing the shortcomings will allow strategic selection with suitable cows. Traits are genetically correlated, meaning that a change in one trait can lead to a change in another. This change can be favourable or unfavourable. An increase in weaning weight can lead to an increase in birth weight, which can lead to calving difficulty. It is therefore advisable to not only select on a single trait. Take other traits in consideration to avoid negative effects.

### How to improve the herd genetically

The first and most important aspect is to know what type of animal will improve the herd genetically. This can be determined through the following factors:

**What happens to the calves?** For example: used as replacement heifers, sold as stud animals or sold to commercial breeders who sell weaner calves.

**How much feed is available?** The availability of feed (or the hardness of the environment) determines the optimal frame size. If feed is abundant and the environment is less harsh, larger animals would be ideal. If not, medium framed animals would be ideal.

**What is the genetics of the cow herd?** Are they the wrong frame type, grow too slowly, do not have enough milk, etc.? Always aim to breed a calf that is superior to its dam.

### Conclusion

Different types of bulls are suitable for different types of cows, environments and breeding objectives. Inbreeding should be avoided or limited as much as possible. Mating programs are available to aid in the pairing of bulls and cows.

*The data used for this evaluation is pedigree information and performance data found on LOGIX as provided by breeders. All attempts are made to present accurate information. SA Stud Book takes no responsibility for the use and interpretation of information presented in this report.*

