

**BORAN**

## **GENOMIC BREEDING VALUE REPORT**

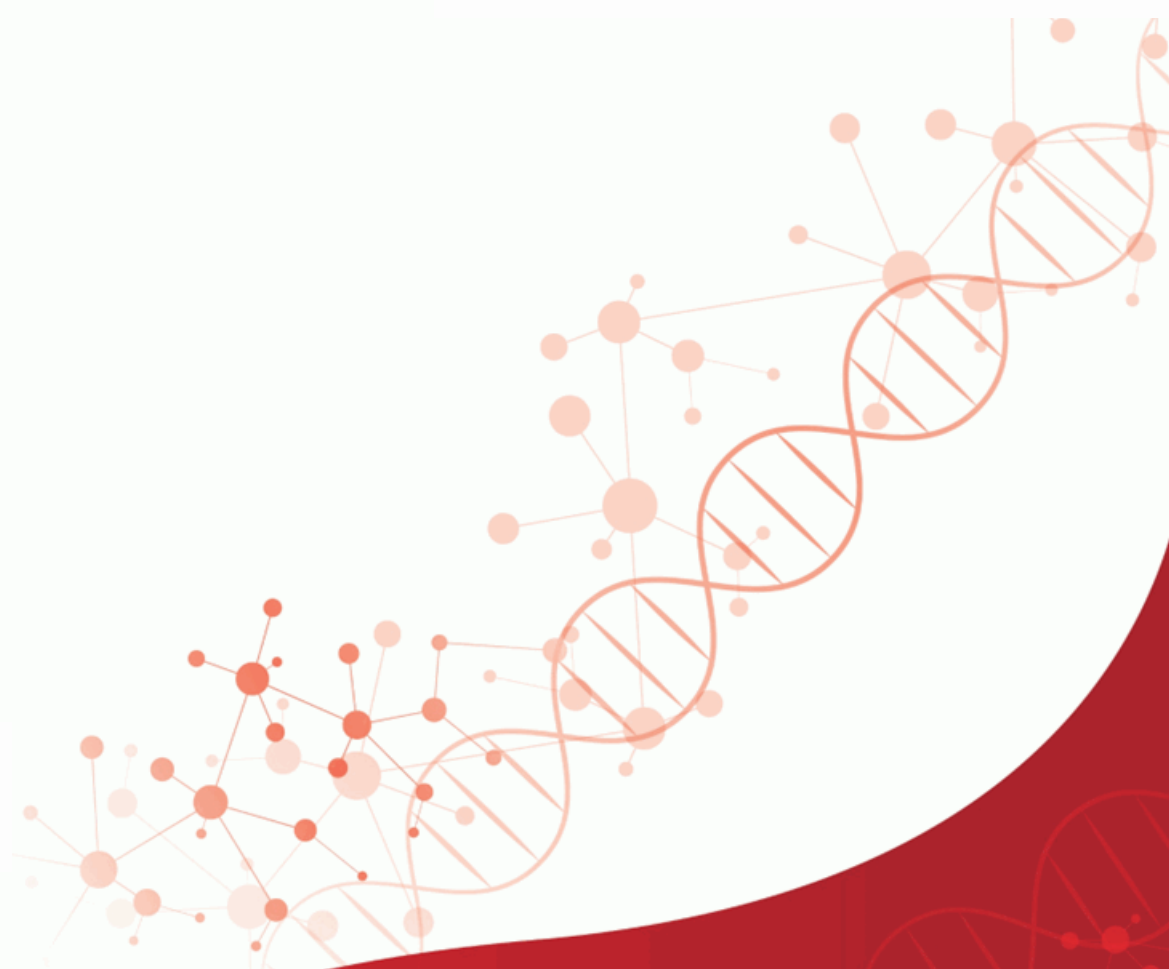
September 2026



**MR M.A.I. MCGEE**

Herd Number: 736476

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SA Stud Book's breeding value analyses are at a very high standard and are internationally accredited. The models were adjusted to enable a more precise determination of current breeding values.

## Genomic Breeding Values (GEBVs)



Genomically analyzed animals are marked with the accompanying logo. Older animals with accurate breeding values (Reference Population) are used to determine the relationship between the SNP markers and the breeding values, which are unique to each breed. Production measurements, pedigrees and genomic information are used to estimate Genomic Breeding Values (GEBVs). Genomically tested young animals therefore have extra information with which breeding values can be estimated especially for complex traits such as fertility and milk.

 Parentages can be determined very accurately with 50 000 markers, instead of the 15-30 markers with previous DNA tests, provided that the parent has also been genomically tested. Parentages are indicated as follows in this report:

- ☐ The parent has not been tested, and the parentage cannot therefore be confirmed genomically.
- ☒ Parentage is genomically correct
- ☒ Parentage conflict. If the correct parent has been genomically tested, SA Studbook will contact you. If the breeder of the animal confirms that the genomically designated parent was also on the farm at the time of mating, the parentage can be corrected. Please work extremely carefully when collecting and marking hair samples, otherwise the test must be repeated. If there are any queries, please contact Jason Reding at [jason@studbook.co.za](mailto:jason@studbook.co.za)

## Update to the Evaluation

Best scientific practice and technological improvements have made it possible to update the Genomic Evaluation as follows:

1. **Previous Calf:** A cow whose previous calf died or was not weaned will have its cow fertility and current calf's weaning weight penalized.
2. **The age adjustment** is within the contemporary group for weaning weight and growth traits instead of across the breed as before. This adjustment may affect some herds more than others.
3. **Mature Weight EBV/Maintenance Value** uses all of the cow's weights at weaning as a repeated measurement, not just the first 3 measurements as before. The EBV appears as Cow Weight Weaning on the report.

## New breeding values

- **Cow weight at birth of the calf**
- **Cow weight at weaning of the calf**
- **Cow-Calf Ratio at birth of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Cow-Calf Ratio at weaning of the calf.** The Cow-Calf ratio is calculated with breeding values.
- **Veld growth breeding value:** The growth rate and adaptability from weaning to year or 18 months for animals in Phase B on the veld.
- **Skin thickness:** Skin thickness is an indication of adaptation, where thicker skins protect the animal more against ticks as well as heat (due to an increase in blood vessels in the skin)



# EBVs, EBVi's and GEBVs

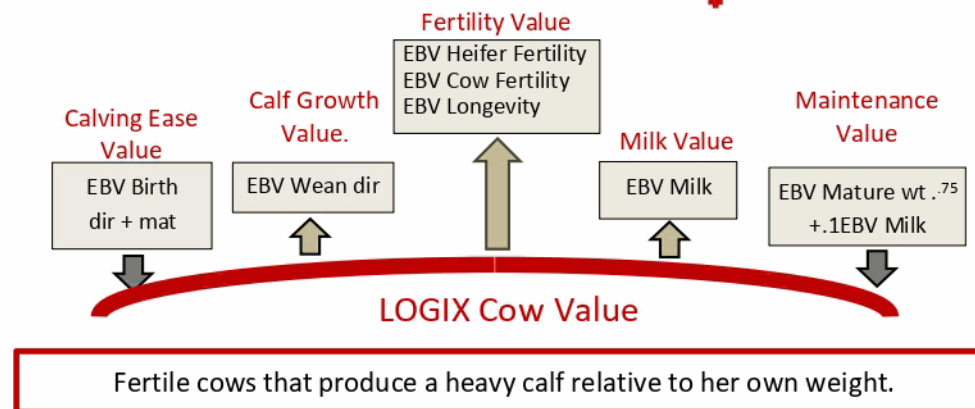
**EBVi (Breeding Value Index):** Genetic potential relative to the average (100) of the live animals in the breed. Roughly 50% of the animals have values between 90 and 110. Values above 100 tend to be in the more favourable direction.

**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 Production Value



80% LOGIX Cow Value +  
20% LOGIX Growth Value

### 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.

## 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

### GROWERS

(GOOD ENVIRONMENT)

- Calf Growth / Growth Value > 120
- Cow Value and Fertility Value average to high

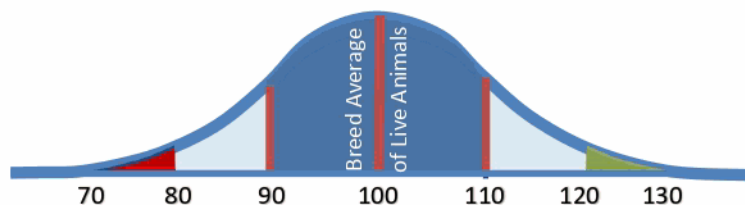
Growers are usually heavier at birth (lower Calving Ease Value), and maturity (lower Maintenance Value).

### 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

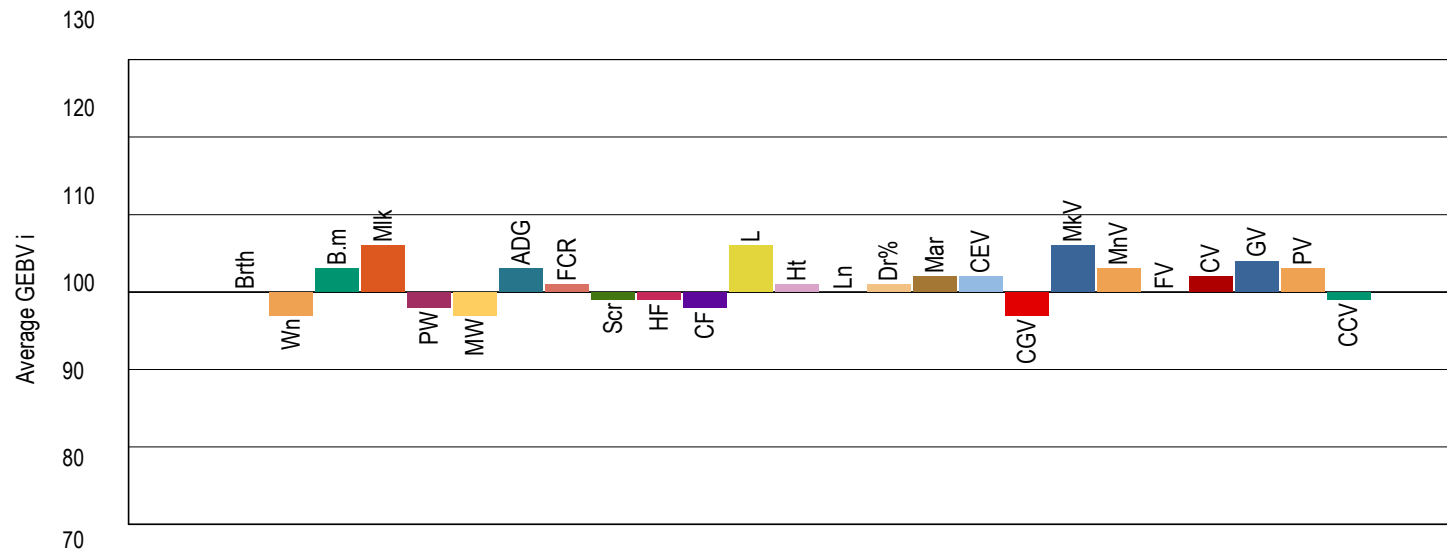


## Examples

| Type of Animal  | Cow Value | Calving Ease V | Calf Growth 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        |

|                     | EBVi                  | Description / Measurement                                                                     | Goal                 | High Value | Low 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) | Profitable cows      | Loss       | Profit    |
|                     | Growth Value          | Efficient growth on veld and in feedlot (Rand-value)                                          | 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         | Thick      | Thin      |
| 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   | <1         | >1        |
| Carcass             | Eye Muscle Area       | RTU Eye muscle area                                                                           | Bigger steaks        | Small      | Big       |
|                     | Fat                   | RTU P8 Backfat Thickness                                                                      | Carcass quality      | Thin       | Thick     |
|                     | Marbling              | RTU % Marbling                                                                                | Juicy meat           | Low        | High      |
|                     | Dressing%             | Carcass weight / Live weight                                                                  | High dressing %      | Low        | High      |

## Herd and Breed Averages



### Genomic Breeding Values (GEBVs):

|       |                       |      |                  |
|-------|-----------------------|------|------------------|
| Brth: | Birth weight          | Scr: | Scrotal circumf. |
| Wn:   | Weaning weight        | HF:  | Heifer Fertility |
| B.m:  | Birth maternal        | CF:  | Cow Fertility    |
| Milk: | Milk                  | LL:  | Longevity        |
| PW:   | Post-wean weight      | Ht:  | Height           |
| MW:   | Mature weight         | Ln:  | Length           |
| ADG:  | Average Daily Gain    | Dr%: | Dressing%        |
| FCR:  | Feed Conversion Ratio | Mar: | Marbling         |

### Selection Values:

|      |                    |
|------|--------------------|
| CEV: | Calving Ease Value |
| CGV: | Calf Growth Value  |
| MkV: | Milk Value         |
| MnV: | Maintenance Value  |
| FV:  | Fertility Value    |
| CV:  | Cow Value          |
| GV:  | Growth Value       |
| PV:  | Production Value   |
| CCV: | Carcass Value      |

|                 | Trait            | EBV Herd | EBVi Herd | EBV Breed |
|-----------------|------------------|----------|-----------|-----------|
| Prewrite Growth | Birth Weight     | 0.35     | 100       | 0.35      |
|                 | Wean Weight      | 0.3      | 97        | 1.3       |
|                 | Birth Mat.       | -0.31    | 103       | -0.21     |
|                 | Milk (Wn.Mat.)   | 2.0      | 106       | 0.5       |
| Postwean Growth | Postwean Wt      | 3.0      | 98        | 4.0       |
|                 | Mature Weight    | 4        | 97        | 7         |
|                 | ADG              | 1        | 103       | -3        |
|                 | FCR              | -1       | 101       | 0         |
| Fertility       | Scrotal Circumf. | 1.4      | 99        | 2.0       |
|                 | Heifer Fertility | -0.2     | 99        | -1.0      |
|                 | Cow Fertility    | 0.3      | 98        | -0.1      |
|                 | Longevity        | 35.4     | 106       | 30.6      |
| Frame           | Height           | 2        | 101       | 2         |
|                 | Length           | 1        | 100       | 1         |
| Carcass         | Dressing%        | 0.02     | 101       | 0.00      |
|                 | Marbling         | -0.13    | 102       | -0.23     |

| Selection Value  | Ave. Herd |
|------------------|-----------|
| Calving Ease     | 102       |
| Calf Growth      | 97        |
| Milk             | 106       |
| Maintenance      | 103       |
| Fertility        | 100       |
| Cow Value        | 102       |
| Growth Value     | 104       |
| Production Value | 103       |
| Carcass Value    | 99        |

- 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?:*

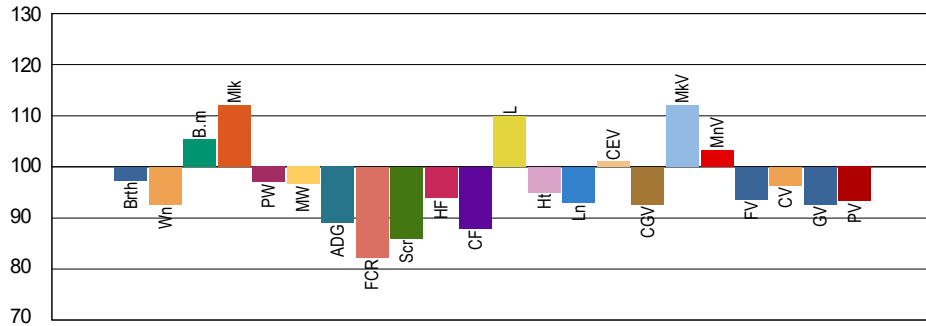
|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Calving ease: | Smaller calf at birth - easier calving                           |
| Calf growth:  | Heavier calves at wean due to 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 earlier and/or more regularly.         |

# Genetic Windows

## Bulls on the farm

Bulls born in 2023 and earlier

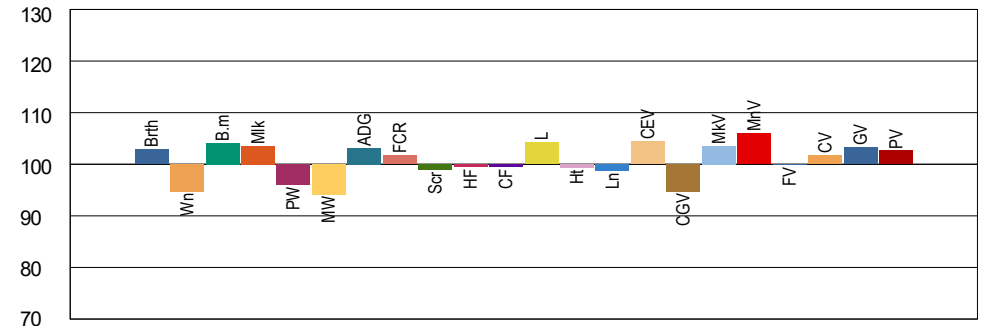
Total: 3



## Cow Herd

Cows born in 2024 and earlier

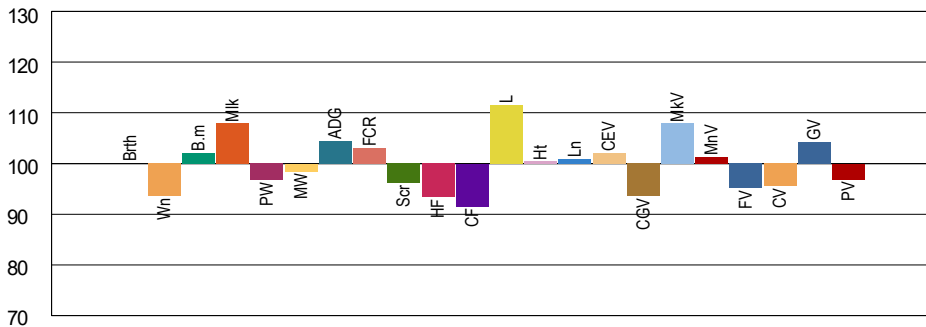
Total: 39



## Sires of young animals

Sires of animals 3 years and younger

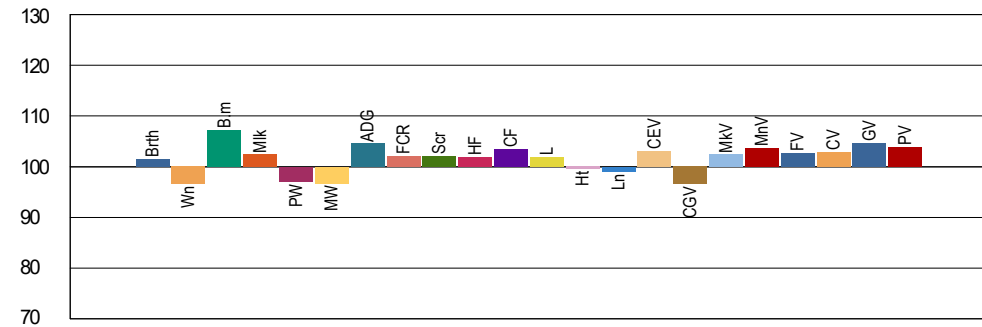
Total: 7



## Cows older than 6 years

Cows born in 2020 and earlier

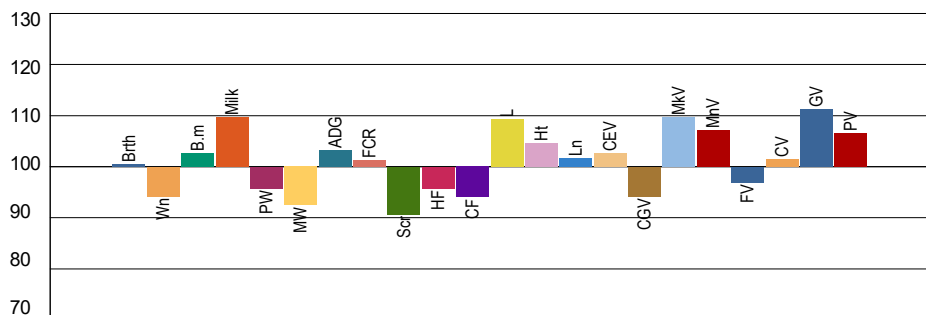
Total: 18



## Bull calves

Bulls born in 2025

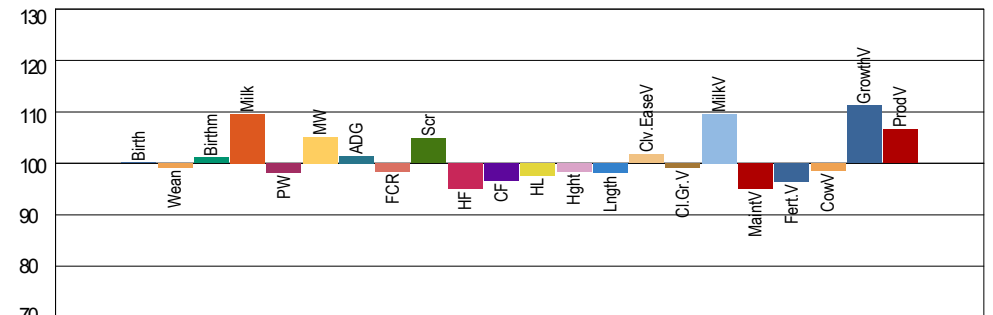
Total: 9



## Heifer calves

Heifers born in 2025

Total: 8

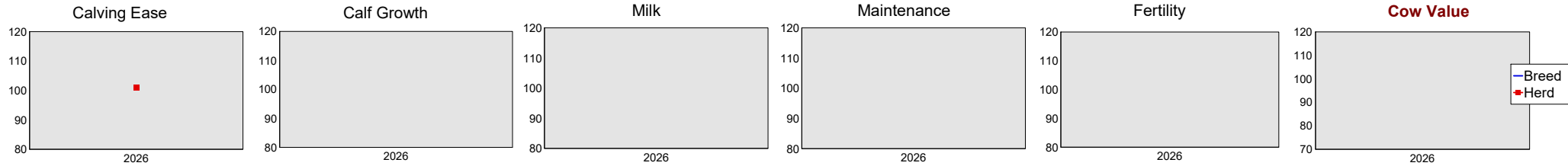


## Summary of Cow Herd

|                        |          |                   | 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 | FCR | Scrotal Circumf. | Heifer Fertility | Cow Fertility | Longevity | Height | Length |     |
| Cows in Breed Average: |          |                   | 100                   | 100        | 100  | 100    | 100       | 100       | 100          | 100        | 100          | 100         | 100        | 100           | 100                 | 100           | 100 | 100 | 100              | 100              | 100           | 100       | 100    | 100    | 100 |
| 2013                   | 2        | ★★★★★             | 113                   | 89         | 106  | 109    | 119       | 117       | 121          | 122        | 113          | 89          | 111        | 106           | 98                  | 91            | 117 | 118 | 107              | 120              | 113           | 107       | 109    | 106    |     |
| 2014                   | 1        | ★★★★              | 99                    | 97         | 123  | 81     | 93        | 90        | 102          | 92         | 94           | 97          | 108        | 123           | 95                  | 121           | 108 | 98  | 105              | 113              | 82            | 92        | 101    | 99     |     |
| 2015                   | 2        | ★★★★              | 106                   | 94         | 100  | 123    | 82        | 98        | 95           | 96         | 102          | 94          | 108        | 100           | 96                  | 76            | 92  | 79  | 81               | 88               | 86            | 91        | 90     | 92     |     |
| 2016                   | 1        | ★★★★☆             | 131                   | 89         | 106  | 118    | 112       | 127       | 115          | 129        | 125          | 89          | 113        | 106           | 94                  | 84            | 123 | 124 | 113              | 111              | 107           | 112       | 112    | 109    |     |
| 2017                   | 1        | ★★★★★             | 120                   | 70         | 92   | 131    | 120       | 110       | 101          | 109        | 139          | 70          | 125        | 92            | 74                  | 69            | 100 | 107 | 103              | 117              | 124           | 99        | 92     | 99     |     |
| 2018                   | 1        | ★★★★              | 108                   | 104        | 101  | 84     | 95        | 96        | 132          | 108        | 105          | 104         | 122        | 101           | 100                 | 117           | 132 | 120 | 115              | 90               | 100           | 106       | 102    | 103    |     |
| 2019                   | 8        | ★★★★☆             | 99                    | 101        | 99   | 100    | 102       | 101       | 101          | 101        | 96           | 101         | 103        | 99            | 98                  | 101           | 100 | 99  | 103              | 98               | 106           | 102       | 99     | 99     |     |
| 2020                   | 2        | ★★★★              | 86                    | 103        | 109  | 94     | 104       | 98        | 98           | 97         | 85           | 103         | 100        | 109           | 109                 | 105           | 100 | 103 | 102              | 103              | 103           | 108       | 96     | 94     |     |
| 2021                   | 3        | ★★★★☆             | 99                    | 100        | 102  | 110    | 99        | 105       | 105          | 106        | 100          | 100         | 97         | 102           | 102                 | 90            | 103 | 100 | 102              | 101              | 95            | 107       | 93     | 97     |     |
| 2022                   | 4        | ★★★★              | 107                   | 82         | 101  | 126    | 90        | 95        | 97           | 95         | 110          | 82          | 93         | 101           | 85                  | 75            | 96  | 93  | 89               | 93               | 92            | 100       | 97     | 93     |     |
| 2023                   | 6        | ★★★★☆             | 110                   | 92         | 106  | 104    | 98        | 101       | 101          | 102        | 108          | 92          | 102        | 106           | 94                  | 96            | 105 | 106 | 97               | 96               | 96            | 108       | 103    | 102    |     |
| 2024                   | 8        | ★★★★☆             | 104                   | 97         | 106  | 101    | 101       | 102       | 103          | 102        | 100          | 97          | 106        | 106           | 99                  | 99            | 102 | 103 | 97               | 100              | 98            | 109       | 100    | 99     |     |
| 2025                   | 8        | ★★★★              | 102                   | 99         | 110  | 95     | 96        | 99        | 111          | 107        | 100          | 99          | 101        | 110           | 98                  | 105           | 101 | 98  | 105              | 95               | 97            | 98        | 98     | 98     |     |
| 2026                   | 14       | ★★★★☆             | 96                    | 104        | 108  | 97     | 101       | 103       | 104          | 103        | 93           | 104         | 103        | 108           | 104                 | 102           | 105 | 106 | 101              | 100              | 99            | 109       | 104    | 104    |     |
| Cows in Herd Average:  |          |                   | 106                   | 94         | 105  | 105    | 101       | 103       | 106          | 105        | 105          | 94          | 107        | 105           | 96                  | 95            | 106 | 108 | 101              | 102              | 100           | 103       | 100    | 100    |     |

# 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.



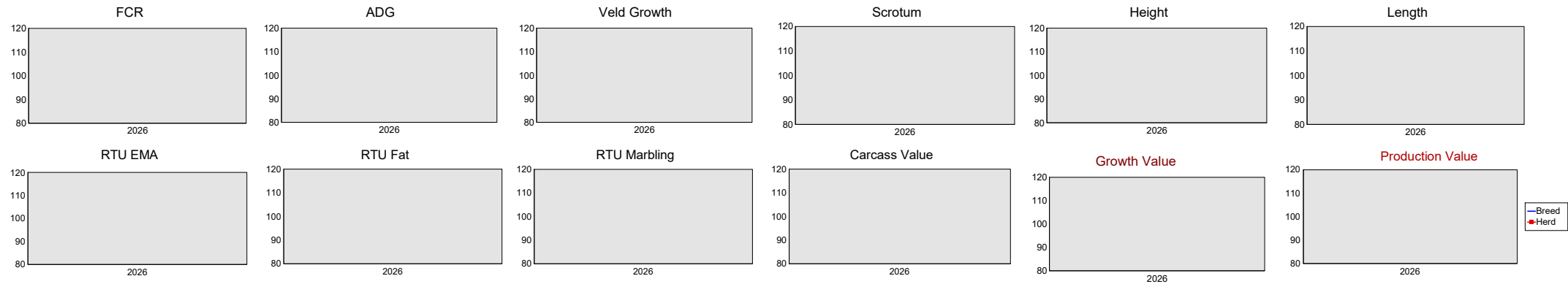
## Herd

| Birth<br>Year | Calving Ease |      |            |            | Calf Growth   |                |     | Milk           |                | Maintenance |      |                 |     | Fertility     |                  |              |     |               |           | Cow<br>Value |            |           |        |                |     |
|---------------|--------------|------|------------|------------|---------------|----------------|-----|----------------|----------------|-------------|------|-----------------|-----|---------------|------------------|--------------|-----|---------------|-----------|--------------|------------|-----------|--------|----------------|-----|
|               | Birth Weight |      | Dir<br>EBV | Mat<br>EBV | Calv.<br>Ease | Weaning Weight |     | Calf<br>Growth | Milk (Wn.Mat.) |             | Milk | Postwean Weight |     | Mature Weight | Mainte-<br>nance | Heifer Fert. |     | Heifer<br>EBV | Cow Fert. |              | Cow<br>EBV | Longevity |        | Ferti-<br>lity |     |
|               | Number       | EBV  |            |            |               | Number         | EBV |                | Number         | EBV         |      | Number          | EBV |               |                  | Number       | EBV |               | Number    |              |            | EBV       | Number |                | EBV |
| 2026          | 12           | 0.48 | -0.34      | 101        |               |                |     |                |                |             |      |                 |     |               |                  |              |     |               |           |              |            |           |        |                |     |
|               |              |      |            |            |               |                |     |                |                |             |      |                 |     |               |                  |              |     |               |           |              |            |           |        |                |     |

## Breed

| Birth Year | Calving Ease |         |         |            | Calf Growth    |     |             | Milk           |      |                 | Maintenance |               |     |             |              | Fertility |           |      |           |       |           | Cow Value |        |     |
|------------|--------------|---------|---------|------------|----------------|-----|-------------|----------------|------|-----------------|-------------|---------------|-----|-------------|--------------|-----------|-----------|------|-----------|-------|-----------|-----------|--------|-----|
|            | Birth Weight |         | Mat EBV | Calv. Ease | Weaning Weight |     | Calf Growth | Milk (Wn.Mat.) |      | Postwean Weight |             | Mature Weight |     | Maintenance | Heifer Fert. |           | Cow Fert. |      | Longevity |       | Fertility |           |        |     |
|            | Number       | Dir EBV |         |            | Number         | EBV |             | Number         | EBV  | Number          | EBV         | Number        | EBV |             | Number       | EBV       | Number    | EBV  | Number    | EBV   |           |           | Number | EBV |
| 2016       | 5443         | 0.25    | -0.17   | 101        | 1281           | 0.3 | 97          | 1281           | 0.23 | 99              | 592         | 1.5           | 529 | 4           | 104          | 2172      | -0.3      | 1452 | -0.1      | 9930  | 20.4      | 96        | 96     |     |
| 2017       | 5493         | 0.27    | -0.18   | 101        | 1761           | 0.5 | 98          | 1761           | 0.42 | 100             | 648         | 2.4           | 645 | 5           | 103          | 2363      | 0.4       | 1709 | 0.1       | 9984  | 21.7      | 96        | 96     |     |
| 2018       | 5384         | 0.28    | -0.21   | 101        | 1835           | 1.1 | 99          | 1835           | 0.52 | 100             | 828         | 3.5           | 705 | 5           | 103          | 2244      | -0.6      | 1771 | -0.3      | 10164 | 23.4      | 99        | 98     |     |
| 2019       | 6007         | 0.27    | -0.21   | 101        | 1830           | 1.1 | 100         | 1830           | 0.31 | 99              | 1030        | 3.8           | 813 | 4           | 103          | 2427      | -0.7      | 1951 | 0.0       | 10086 | 24.2      | 98        | 98     |     |
| 2020       | 6058         | 0.28    | -0.21   | 101        | 2614           | 1.2 | 100         | 2614           | 0.41 | 100             | 1350        | 4.0           | 812 | 5           | 102          | 2473      | -0.5      | 1903 | -0.3      | 9714  | 25.5      | 99        | 100    |     |
| 2021       | 6281         | 0.32    | -0.24   | 101        | 2943           | 1.7 | 101         | 2943           | 0.38 | 99              | 1176        | 4.8           | 847 | 5           | 102          | 2722      | -1.0      | 1752 | -0.1      | 9450  | 26.3      | 100       | 101    |     |
| 2022       | 7027         | 0.38    | -0.21   | 100        | 3201           | 1.7 | 101         | 3201           | 0.30 | 99              | 1254        | 5.4           | 769 | 3           | 102          | 2616      | -1.7      | 603  | -0.4      | 4191  | 25.3      | 101       | 101    |     |
| 2023       | 7776         | 0.34    | -0.22   | 100        | 3889           | 1.5 | 100         | 3889           | 0.99 | 102             | 1553        | 4.8           | 92  | 4           | 100          | 1264      | -1.9      | 7    | 1.3       |       |           | 102       | 101    |     |
| 2024       | 8885         | 0.37    | -0.21   | 100        | 3974           | 1.9 | 102         | 3974           | 0.92 | 102             | 1552        | 5.1           |     |             | 99           | 13        | -1.1      |      |           |       |           | 102       | 102    |     |
| 2025       | 9169         | 0.38    | -0.20   | 100        | 3793           | 1.9 | 102         | 3793           | 1.13 | 103             | 219         | 5.6           |     |             | 98           |           |           |      |           |       |           |           | 103    |     |
| 2026       | 4059         | 0.36    | -0.18   | 100        | 96             | 2.1 | 102         | 96             | 0.67 | 101             |             |               |     |             |              |           |           |      |           |       |           |           | 100    |     |

# Genetic Trends for Growth Test and Carcass Traits



## Herd

| Birth Year | Growth |     |      |        |     |      |             |     |      |         |     |      | Frame  |     |      |        |     |      | Carcass    |     |      |     |      |          | Selection Values |               |              |            |
|------------|--------|-----|------|--------|-----|------|-------------|-----|------|---------|-----|------|--------|-----|------|--------|-----|------|------------|-----|------|-----|------|----------|------------------|---------------|--------------|------------|
|            | FCR    |     |      | ADG    |     |      | Veld Growth |     |      | 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 | Number | EBV | EBVi | RTU Number | EBV | EBVi | EBV | EBVi | EBV      | EBVi             |               |              |            |
| 2026       |        |     |      |        |     |      |             |     |      |         |     |      |        |     |      |        |     |      |            |     |      |     |      |          |                  |               |              |            |

## Breed

| Birth<br>Year | Growth |     |      |        |     |      |             |     |      | Frame   |     |      |        |     |      | Carcass |     |      |               |       |      | Selection Values |     |          |     |                 |                 |               |
|---------------|--------|-----|------|--------|-----|------|-------------|-----|------|---------|-----|------|--------|-----|------|---------|-----|------|---------------|-------|------|------------------|-----|----------|-----|-----------------|-----------------|---------------|
|               | FCR    |     |      | ADG    |     |      | Veld Growth |     |      | 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 | Number  | EBV | EBVi | EBV           | EBVi  | EBVi | EBVi             | EBV | EBVi     |     |                 |                 |               |
| 2017          | 19     | -7  | 104  | 176    | -5  | 99   | 447         | -10 | 97   | 174     | 1.1 | 98   | 175    | 0   | 97   | 175     | -1  | 98   | 118           | -0.22 | 96   | -0.31            | 98  | -0.32    | 99  | 98              | 96              | 95            |
| 2018          | 48     | 7   | 97   | 375    | -4  | 99   | 458         | -3  | 102  | 379     | 1.1 | 98   | 375    | 2   | 100  | 375     | 1   | 100  | 240           | 0.07  | 101  | 0.05             | 101 | -0.33    | 98  | 98              | 96              | 99            |
| 2019          | 37     | 7   | 97   | 455    | -3  | 100  | 563         | -6  | 100  | 432     | 1.4 | 99   | 456    | 3   | 101  | 462     | 1   | 101  | 348           | -0.01 | 100  | -0.29            | 98  | -0.32    | 99  | 98              | 98              | 101           |
| 2020          | 28     | -7  | 104  | 580    | 0   | 102  | 722         | -5  | 101  | 525     | 2.6 | 101  | 584    | 3   | 101  | 590     | 2   | 102  | 448           | 0.05  | 100  | -0.22            | 99  | -0.26    | 100 | 101             | 101             | 102           |
| 2021          | 40     | -6  | 103  | 557    | -3  | 101  | 642         | -5  | 101  | 537     | 1.7 | 99   | 557    | 2   | 101  | 560     | 1   | 101  | 331           | 0.16  | 102  | -0.15            | 99  | -0.24    | 100 | 102             | 99              | 100           |
| 2022          | 67     | -2  | 101  | 476    | -1  | 102  | 795         | -5  | 100  | 491     | 2.3 | 101  | 494    | 3   | 102  | 494     | 2   | 103  | 316           | 0.23  | 103  | 0.34             | 104 | -0.19    | 101 | 104             | 100             | 101           |
| 2023          | 29     | 3   | 99   | 476    | 2   | 104  | 1016        | -5  | 101  | 510     | 3.7 | 103  | 508    | 3   | 103  | 510     | 3   | 105  | 195           | 0.59  | 109  | 0.08             | 102 | -0.35    | 98  | 107             | 102             | 104           |
| 2024          | 10     | -6  | 103  | 476    | -1  | 102  | 927         | -8  | 99   | 463     | 4.6 | 105  | 462    | 4   | 103  | 463     | 3   | 104  | 159           | 0.55  | 108  | 0.52             | 106 | -0.11    | 102 | 110             | 100             | 106           |
| 2025          | 6      | -2  | 101  | 12     | 4   | 105  | 188         | -4  | 101  | 12      | 7.3 | 110  | 12     | 3   | 102  | 12      | 2   | 103  | 12            | -0.11 | 98   | 0.23             | 103 | 0.07     | 105 | 104             | 104             | 102           |
| 2026          |        |     |      |        |     |      |             |     |      |         |     |      |        |     |      |         |     |      |               |       |      |                  |     |          |     |                 |                 |               |

# Sires

| Bull                |          |                                                                                   | Selection Values |               |            |          |             |           |              |             |           |             | Birth    |                |             | Wean    |          |             |            | Grwth & Adaptation |             |     |            |         | Fertility   |           |           |        | Raam   |       | Carcass |          |         |             | Progeny |      |            |
|---------------------|----------|-----------------------------------------------------------------------------------|------------------|---------------|------------|----------|-------------|-----------|--------------|-------------|-----------|-------------|----------|----------------|-------------|---------|----------|-------------|------------|--------------------|-------------|-----|------------|---------|-------------|-----------|-----------|--------|--------|-------|---------|----------|---------|-------------|---------|------|------------|
| Index<br>EBV<br>Acc | Genomic  | Sire ID<br>Dam ID                                                                 | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass V | Cow wt brth | Birth wt | Cow-Calf birth | Cow wt wean | Wean wt | Wean mat | Cow-Calf wn | Post wn wt | ADG                | Veld growth | FCR | Skin Thckn | Scrotum | Heifer Fert | Cow Fert. | Longevity | Height | Length | EMA   | Fat     | Marbling | Dress % | Nr measured |         |      |            |
| ID                  |          |                                                                                   |                  |               |            |          |             |           |              |             |           |             |          |                |             |         |          |             |            |                    |             |     |            |         |             |           |           |        |        |       |         |          |         | Comp.nr     | Birth   | Wean | Grwth Test |
| B                   | 050098   |  | K6K2997          | 97            | 94         | 116      | 97          | 130       | 118          | 118         | 122       | 103         | 91       | 97             | 121         | 100     | 94       | 116         | 109        | 102                | 118         | 119 | 126        | 79      | 119         | 117       | 139       | 99     | 101    | 118   | 76      | 80       | 98      | 75          | 149     | 11   |            |
|                     | 63260004 |  | 8334             | 98            | 96         | 97       | 97          | 96        | 87           | 94          | 89        | 94          | -1       | 0.55           | -2.4        | 7       | -0.7     | 4.3         | 6          | 4.9                | 24          | 22  | -50        | -0.66   | 11.6        | -12.0     | -7.3      | 29.5   | 2      | 11.9  | -1.56   | -2.05    | -0.35   | -0.32       | 2       | 40   | 122        |
|                     |          |                                                                                   |                  | 96            | 98         | 98       |             |           | 94           | 94          | 94        | 94          | 96       | 98             | 98          | 97      | 96       | 97          | 97         | 94                 | 94          | 93  | 95         | 95      | 96          | 94        | 98        | 95     | 94     | 94    | 94      | 94       | 94      | 94          | 94      |      |            |
| CFH                 | 080413   |                                                                                   | N 040003         | 98            | 100        | 96       | 132         | 92        | 109          | 97          | 107       | 93          | 72       | 97             | 81          | 67      | 100      | 96          | 114        | 105                | 95          | 105 | 100        | 123     | 86          | 108       | 82        | 92     | 119    | 109   | 85      | 95       | 98      | 85          | 105     | 2    |            |
|                     | 68174697 |                                                                                   | HVT 000001       | 93            | 68         | 69       | 72          | 73        | 68           | 54          | 64        | 42          | -17      | 0.54           | 1.4         | -22     | 1.4      | -0.4        | 18         | 6.6                | -11         | 1   | 0          | 1.20    | -4.9        | -6.0      | 3.3       | 24.0   | 13     | 6.0   | -1.00   | -0.53    | -0.35   | -0.19       | 4       | 9    |            |
|                     |          |                                                                                   |                  | 66            | 96         | 85       |             |           | 72           | 68          | 69        | 70          | 66       | 96             | 85          | 72      | 68       | 69          | 70         | 51                 | 53          | 21  | 21         | 58      | 56          | 75        | 50        | 93     | 55     | 52    | 40      | 43       | 40      | 42          |         |      |            |
| CI                  | 070127   |  | TLM 040507       | 102           | 88         | 119      | 97          | 92        | 91           | 93          | 89        | 105         | 104      | 95             | 107         | 100     | 88       | 119         | 107        | 92                 | 106         | 109 | 96         | 95      | 123         | 123       | 62        | 102    | 84     | 105   | 132     | 107      | 90      | 131         | 34      | 2    |            |
|                     | 66734765 |  | GF159U D         | 98            | 96         | 96       | 96          | 95        | 87           | 93          | 89        | 92          | 10       | 0.68           | -1.0        | 7       | -2.8     | 5.0         | 2          | -0.3               | 6           | 8   | 9          | 0.04    | 13.9        | -15.9     | 7.0       | 32.5   | -8     | 3.8   | 2.11    | 0.57     | -0.81   | 0.40        | 1       | 57   | 108        |
|                     |          |                                                                                   |                  | 95            | 98         | 97       |             |           | 87           | 93          | 89        | 92          | 95       | 98             | 97          | 96      | 96       | 96          | 96         | 92                 | 93          | 91  | 91         | 93      | 93          | 95        | 92        | 98     | 93     | 92    | 92      | 92       | 92      | 92          | 92      |      |            |
| DD                  | 090008   |                                                                                   | GF 060004        | 117           | 51         | 83       | 139         | 123       | 93           | 113         | 99        | 87          | 52       | 146            | 126         | 58      | 51       | 83          | 67         | 71                 | 99          | 107 | 88         | 107     | 104         | 117       | 126       | 99     | 72     | 73    | 132     | 88       | 150     | 128         | 26      | 22   |            |
|                     | 69823367 |                                                                                   | HVT 040022       | 88            | 85         | 83       | 85          | 58        | 72           | 66          | 70        | 65          | -33      | -2.62          | -2.9        | -30     | -14.7    | -3.5        | -87        | -12.2              | -5          | 4   | 25         | 0.53    | 3.8         | -12.0     | -5.0      | 30.0   | -14    | -16.1 | 2.14    | -1.22    | 2.75    | 0.36        | 5       | 21   | 68         |
|                     |          |                                                                                   |                  | 75            | 88         | 87       |             |           | 85           | 85          | 83        | 84          | 75       | 88             | 87          | 85      | 85       | 83          | 84         | 66                 | 65          | 10  | 13         | 75      | 73          | 54        | 34        | 87     | 71     | 63    | 61      | 69       | 62      | 65          |         |      |            |
| DVB                 | 120005   |                                                                                   | TLM 050526       | 113           | 98         | 95       | 87          | 79        | 82           | 131         | 95        | 109         | 113      | 110            | 126         | 114     | 98       | 95          | 89         | 95                 | 127         | 96  | 114        | 102     | 108         | 63        | 99        | 98     | 93     | 88    | 100     | 107      | 97      | 102         | 16      | 8    |            |
|                     | 74853201 |                                                                                   | DVB 080007       | 79            | 72         | 62       | 68          | 56        | 62           | 50          | 58        | 42          | 17       | -0.27          | -2.9        | 19      | 0.7      | -0.8        | -37        | 1.2                | 38          | -13 | -26        | 0.30    | 6.2         | 22.7      | 0.1       | 29.3   | -2     | -6.7  | 0.05    | 0.61     | -0.38   | 0.02        | 3       | 4    |            |
|                     |          |                                                                                   |                  | 66            | 81         | 74       |             |           | 68           | 72          | 62        | 67          | 66       | 81             | 74          | 68      | 72       | 62          | 67         | 46                 | 50          | 18  | 30         | 53      | 52          | 54        | 41        | 72     | 51     | 49    | 41      | 44       | 42      | 42          |         |      |            |
| FN                  | 070123   |                                                                                   | KPO786           | 109           | 106        | 108      | 117         | 98        | 121          | 118         | 125       | 106         | 81       | 102            | 105         | 85      | 106      | 108         | 119        | 110                | 118         | 115 | 118        | 105     | 108         | 91        | 102       | 99     | 112    | 111   | 103     | 95       | 96      | 102         | 41      |      |            |
|                     | 68297167 |                                                                                   | ADC1092          | 89            | 55         | 61       | 69          | 65        | 61           | 45          | 56        | 43          | -9       | 0.22           | -0.8        | -6      | 3.2      | 2.5         | 28         | 9.7                | 24          | 16  | -35        | 0.45    | 6.2         | 4.9       | -0.5      | 30.0   | 9      | 7.6   | 0.21    | -0.58    | -0.46   | 0.03        | 6       | 6    |            |
|                     |          |                                                                                   |                  | 68            | 91         | 82       |             |           | 69           | 55          | 61        | 62          | 68       | 91             | 82          | 69      | 55       | 61          | 62         | 43                 | 45          | 25  | 28         | 47      | 46          | 64        | 46        | 86     | 46     | 44    | 42      | 44       | 42      | 43          |         |      |            |
| FPL                 | 120037   |                                                                                   | CI 070115        | 135           | 97         | 105      | 111         | 98        | 124          | 114         | 126       | 97          | 86       | 129            | 123         | 90      | 97       | 105         | 107        | 97                 | 111         | 94  | 99         | 93      | 107         | 112       | 90        | 92     | 104    | 104   | 109     | 107      | 118     | 109         | 19      | 16   |            |
|                     | 74680851 |                                                                                   | HOT 070007       | 84            | 81         | 75       | 76          | 60        | 68           | 60          | 66        | 56          | -5       | -1.51          | -2.6        | -1      | 0.4      | 1.8         | 2          | 2.3                | 13          | -16 | 2          | -0.05   | 5.4         | -8.5      | 1.7       | 24.3   | 4      | 3.3   | 0.60    | 0.58     | 0.82    | 0.12        | 2       | 8    | 21         |
|                     |          |                                                                                   |                  | 68            | 85         | 81       |             |           | 76           | 81          | 75        | 77          | 68       | 85             | 81          | 76      | 81       | 75          | 77         | 70                 | 60          | 21  | 29         | 67      | 65          | 59        | 41        | 80     | 63     | 58    | 53      | 58       | 54      | 56          |         |      |            |
| FPL                 | 130033   |  | FPL 090055       | 99            | 99         | 128      | 93          | 67        | 84           | 119         | 93        | 115         | 102      | 102            | 97          | 103     | 99       | 128         | 120        | 101                | 110         | 96  | 105        | 100     | 107         | 73        | 70        | 101    | 78     | 99    | 112     | 138      | 152     | 117         | 322     | 183  |            |
|                     | 80263320 |  | HOT 070007       | 98            | 98         | 95       | 95          | 94        | 87           | 95          | 89        | 95          | 8        | 0.22           | 0.0         | 10      | 0.8      | 7.2         | 30         | 4.8                | 11          | -11 | -9         | 0.24    | 5.6         | 16.1      | 5.6       | 31.3   | -11    | -0.1  | 0.78    | 3.65     | 2.88    | 0.22        | 25      | 22   | 30         |
|                     |          |                                                                                   |                  | 94            | 99         | 97       |             |           | 95           | 98          | 95        | 96          | 94       | 99             | 97          | 95      | 98       | 95          | 96         | 95                 | 95          | 92  | 93         | 96      | 96          | 94        | 93        | 96     | 96     | 95    | 95      | 95       | 95      | 95          |         |      |            |
| FPL                 | 160003   |                                                                                   | MHB 110041       | 83            | 115        | 86       | 103         | 128       | 119          | 83          | 110       | 101         | 96       | 79             | 91          | 96      | 115      | 86          | 101        | 102                | 97          | 84  | 103        | 86      | 96          | 119       | 136       | 113    | 113    | 116   | 92      | 96       | 85      | 92          | 32      | 31   |            |
|                     | 82911306 |                                                                                   | FPL 110013       | 89            | 89         | 81       | 83          | 56        | 73           | 58          | 68        | 58          | 3        | 1.70           | 0.5         | 3       | 6.3      | -2.9        | -10        | 4.9                | -8          | -30 | -5         | -0.34   | 0.1         | -13.0     | -6.7      | 41.0   | 10     | 10.3  | -0.53   | -0.50    | -1.12   | -0.11       | 1       | 16   | 37         |
|                     |          |                                                                                   |                  | 59            | 90         | 86       |             |           | 83           | 89          | 81        | 84          | 59       | 90             | 86          | 83      | 89       | 81          | 84         | 72                 | 57          | 10  | 25         | 65      | 63          | 58        | 32        | 79     | 61     | 56    | 55      | 60       | 55      | 58          |         |      |            |
| FPL                 | 160065   |                                                                                   | FPL 130041       | 99            | 116        | 97       | 84          | 111       | 110          | 128         | 119       | 131         | 105      | 92             | 111         | 118     | 116      | 97          | 100        | 116                | 114         | 121 | 106        | 54      | 136         | 96        | 121       | 108    | 111    | 117   | 119     | 132      | 135     | 123         | 49      | 23   |            |
|                     | 84704758 |                                                                                   | CI 080076        | 90            | 86         | 76       | 81          | 55        | 71           | 65          | 69        | 63          | 10       | 0.84           | -1.5        | 23      | 6.4      | -0.3        | -13        | 12.7               | 17          | 26  | -11        | -1.69   | 20.4        | 1.5       | -3.9      | 37.1   | 8      | 10.9  | 1.27    | 3.07     | 1.85    | 0.30        | 1       | 13   | 21         |
|                     |          |                                                                                   |                  | 76            | 92         | 86       |             |           | 81           | 86          | 76        | 81          | 76       | 92             | 86          | 81      | 86       | 76          | 81         | 68                 | 63          | 11  | 14         | 77      | 72          | 56        | 29        | 79     | 70     | 60    | 59      | 67       | 59      | 63          |         |      |            |
| GUJ                 | 120025   |                                                                                   | E 080036         | 84            | 92         | 93       | 118         | 105       | 93           | 91          | 90        | 79          | 78       | 80             | 85          | 85      | 92       | 93          | 95         | 100                | 82          | 99  | 66         | 112     | 104         | 116       | 111       | 87     | 60     | 69    | 77      | 83       | 94      | 76          | 8       |      |            |
|                     | 76606771 |                                                                                   | CFH 080042       | 75            | 66         | 56       | 55          | 52        | 56           | 63          | 58        | 39          | -12      | 1.66           | 1.1         | -6      | -1.5     | -1.2        | -24        | 4.0                | -30         | -7  | 68         | 0.74    | 4.0         | -11.2     | -2.0      | 19.7   | -22    | -18.3 | -1.48   | -1.69    | -0.57   | -0.31       | 1       | 1    |            |
|                     |          |                                                                                   |                  | 44            | 79         | 67       |             |           | 55           | 66          | 56        | 59          | 44       | 79             | 67          | 55      | 66       | 56          | 59         | 46                 | 61          | 26  | 22         | 75      | 70          | 50        | 33        | 73     | 68     | 58    | 37      | 41       | 37      | 39          |         |      |            |
| JPM                 | 160008   |                                                                                   | EO 120112        | 81            | 108        | 100      | 96          | 96        | 91           | 87          | 87        | 98          | 107      | 76             | 93          | 103     | 108      | 100         | 104        | 109                | 83          | 104 | 82         | 101     | 92          | 93        | 103       | 101    | 80     | 81    | 103     | 1        |         |             |         |      |            |

# Sires

| Bull                |                                                                                   |                   | Selection Values |               |            |          |             |           |              |             |           |             | Birth    |                |             | Wean    |          |             |            | Grwth & Adaptation |             |     |            |         | Fertility   |           |           |        | Raam   |       | Carcass |          |         |             | Progeny |      |
|---------------------|-----------------------------------------------------------------------------------|-------------------|------------------|---------------|------------|----------|-------------|-----------|--------------|-------------|-----------|-------------|----------|----------------|-------------|---------|----------|-------------|------------|--------------------|-------------|-----|------------|---------|-------------|-----------|-----------|--------|--------|-------|---------|----------|---------|-------------|---------|------|
| Index<br>EBV<br>Acc | Genomic                                                                           | Sire ID<br>Dam ID | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V | Fertility V | Cow Value | Growth Value | Prod. Value | Carcass V | Cow wt brth | Birth wt | Cow-Calf birth | Cow wt wean | Wean wt | Wean mat | Cow-Calf wn | Post wn wt | ADG                | Veld growth | FCR | Skin Thckn | Scrotum | Heifer Fert | Cow Fert. | Longevity | Height | Length | EMA   | Fat     | Marbling | Dress % | Nr measured |         |      |
| ID                  |                                                                                   |                   |                  |               |            |          |             |           |              |             |           |             |          |                |             |         |          |             |            |                    |             |     |            |         |             |           |           |        |        |       |         |          |         | Comp.nr     | Birth   | Wean |
| JPM 190007          |  | JPM 160008        | 88               | 106           | 110        | 96       | 106         | 104       | 98           | 102         | 101       | 107         | 87       | 94             | 102         | 106     | 110      | 111         | 108        | 100                | 114         | 109 | 104        | 104     | 107         | 99        | 114       | 102    | 101    | 108   | 92      | 92       | 107     | 25          | 1       |      |
| 89196174            |  | K 130070          | 90               | 85            | 83         | 83       | 82          | 77        | 81           | 78          | 81        | 12          | 1.21     | 0.2            | 9           | 3.1     | 2.9      | 11          | 8.4        | -3                 | 16          | -18 | 0.40       | 4.2     | -5.3        | 0.1       | 41.9      | 3      | 1.6    | 0.56  | -0.88   | -0.72    | 0.09    |             |         |      |
|                     |                                                                                   |                   | 84               | 92            | 87         | 83       | 82          | 81        | 83           | 85          | 83        | 84          | 83       | 84             | 83          | 85      | 83       | 84          | 81         | 81                 | 80          | 80  | 81         | 81      | 81          | 84        | 81        | 81     | 81     | 81    | 81      | 81       | 81      |             |         |      |
| JPM 200011          |  | JPM 160008        | 101              | 91            | 97         | 112      | 101         | 98        | 88           | 93          | 88        | 88          | 97       | 99             | 90          | 91      | 97       | 96          | 94         | 83                 | 95          | 83  | 95         | 80      | 92          | 104       | 113       | 80     | 80     | 93    | 100     | 87       | 93      | 4           | 1       |      |
| 91103523            |  | K 160229          | 85               | 83            | 80         | 81       | 80          | 74        | 78           | 75          | 78        | -3          | 0.58     | -0.3           | -2          | -1.6    | -0.2     | -22         | 0.4        | -28                | -13         | 34  | 0.01       | -8.3    | 3.9         | -0.9      | 40.7      | -10    | -11.9  | -0.46 | -0.04   | -1.02    | -0.09   |             |         |      |
|                     |                                                                                   |                   | 81               | 86            | 83         | 81       | 80          | 81        | 81           | 83          | 80        | 81          | 81       | 81             | 81          | 83      | 80       | 81          | 78         | 78                 | 78          | 78  | 78         | 78      | 79          | 78        | 82        | 78     | 78     | 78    | 78      | 78       | 78      |             |         |      |
| JPM 220014          |  | JPM 170001        | 118              | 72            | 110        | 123      | 99          | 100       | 97           | 98          | 86        | 71          | 115      | 103            | 77          | 72      | 110      | 99          | 75         | 99                 | 88          | 95  | 105        | 80      | 103         | 89        | 114       | 95     | 90     | 89    | 99      | 104      | 89      | 1           |         |      |
| 94425675            |  | K 160229          | 83               | 78            | 78         | 79       | 78          | 71        | 77           | 73          | 76        | -18         | -0.62    | -0.7           | -13         | -7.9    | 2.8      | -16         | -10.0      | -5                 | -24         | 11  | 0.46       | -8.1    | -2.8        | 2.0       | 41.6      | -1     | -5.5   | -0.70 | -0.16   | -0.02    | -0.14   |             |         |      |
|                     |                                                                                   |                   | 79               | 84            | 81         | 81       | 78          | 81        | 79           | 78          | 78        | 79          | 84       | 81             | 79          | 78      | 78       | 78          | 76         | 77                 | 76          | 76  | 77         | 77      | 77          | 76        | 80        | 77     | 77     | 76    | 76      | 76       | 76      |             |         |      |
| MHB 090031          |                                                                                   | MHB 040010        | 110              | 132           | 128        | 80       | 79          | 122       | 147          | 136         | 137       | 134         | 105      | 123            | 121         | 132     | 128      | 132         | 133        | 133                | 106         | 127 | 141        | 105     | 77          | 85        | 98        | 156    | 141    | 110   | 103     | 94       | 111     | 90          | 61      |      |
| 70342597            |                                                                                   | MHB 050006        | 95               | 94            | 87         | 88       | 70          | 79        | 86           | 81          | 62        | 35          | 0.04     | -2.5           | 25          | 11.7    | 7.1      | 57          | 22.5       | 46                 | 3           | -54 | 1.97       | 4.3     | 13.8        | 2.7       | 29.0      | 34     | 25.8   | 0.66  | 0.18    | -0.57    | 0.14    | 22          | 26      |      |
|                     |                                                                                   |                   | 86               | 96            | 92         | 88       | 70          | 81        | 88           | 94          | 87        | 88          | 94       | 87             | 88          | 94      | 87       | 90          | 86         | 84                 | 34          | 20  | 90         | 89      | 73          | 48        | 89        | 88     | 83     | 60    | 64      | 60       | 62      |             |         |      |
| OA 170014           |                                                                                   | OA 100027         | 103              | 97            | 93         | 100      | 96          | 93        | 97           | 92          | 100       | 103         | 102      | 100            | 99          | 97      | 93       | 93          | 100        | 100                | 103         | 125 | 105        | 83      | 108         | 94        | 95        | 108    | 94     | 102   | 105     | 103      | 110     | 105         | 3       |      |
| 85965416            |                                                                                   | OA 130041         | 71               | 43            | 45         | 54       | 43          | 46        | 34           | 42          | 31        | 9           | 0.23     | -0.4           | 6           | 0.4     | -1.1     | -27         | 4.3        | 1                  | 32          | -9  | -0.49      | 6.3     | 3.2         | 0.8       | 37.0      | -2     | 1.9    | 0.35  | 0.23    | 0.36     | 0.07    |             |         |      |
|                     |                                                                                   |                   | 50               | 75            | 64         | 43       | 45          | 64        | 54           | 43          | 45        | 54          | 43       | 45             | 54          | 43      | 45       | 47          | 32         | 33                 | 14          | 20  | 37         | 36      | 42          | 27        | 60        | 35     | 33     | 30    | 32      | 30       | 31      |             |         |      |
| TLM 050503          |                                                                                   | K6K2459           | 108              | 69            | 100        | 133      | 71          | 74        | 72           | 66          | 91        | 72          | 104      | 90             | 65          | 69      | 100      | 94          | 76         | 64                 | 88          | 41  | 89         | 49      | 78          | 76        | 90        | 67     | 64     | 89    | 144     | 123      | 95      | 165         | 24      |      |
| 62661202            |                                                                                   | KPO1680           | 98               | 93            | 93         | 94       | 86          | 84        | 70           | 80          | 63        | -17         | 0.10     | 0.6            | -23         | -8.8    | 0.5      | -26         | -9.4       | -58                | -25         | 118 | -0.24      | -23.7   | 12.9        | 4.4       | 22.8      | -18    | -21.8  | -0.74 | 4.26    | 1.15     | -0.06   | 1           | 65      |      |
|                     |                                                                                   |                   | 87               | 98            | 97         | 93       | 87          | 93        | 94           | 93          | 93        | 87          | 98       | 97             | 94          | 93      | 93       | 93          | 72         | 69                 | 47          | 45  | 77         | 75      | 90          | 69        | 98        | 73     | 67     | 60    | 66      | 60       | 63      |             |         |      |
| WGM 190014          |  | FN 120304         | 102              | 90            | 101        | 91       | 91          | 81        | 121          | 90          | 99        | 104         | 103      | 101            | 108         | 90      | 101      | 91          | 97         | 119                | 120         | 114 | 110        | 100     | 85          | 88        | 116       | 100    | 103    | 91    | 105     | 115      | 92      | 76          | 30      |      |
| 89522593            |  | HL 150011         | 91               | 89            | 80         | 80       | 80          | 77        | 78           | 77          | 77        | 9           | 0.15     | -0.5           | 14          | -2.0    | 0.7      | -34         | 2.2        | 25                 | 24          | -28 | 0.65       | 1.8     | 8.7         | 2.1       | 43.5      | 2      | 2.4    | -0.59 | 0.45    | 0.68     | -0.10   |             |         |      |
|                     |                                                                                   |                   | 79               | 95            | 86         | 80       | 80          | 86        | 80           | 89          | 80        | 80          | 89       | 80             | 83          | 89      | 80       | 83          | 80         | 78                 | 77          | 77  | 78         | 78      | 79          | 78        | 84        | 78     | 78     | 77    | 77      | 77       | 77      |             |         |      |
| ZIP 200002          |  | FPL 130036        | 111              | 76            | 115        | 106      | 88          | 85        | 115          | 92          | 106       | 92          | 109      | 104            | 93          | 76      | 115      | 98          | 82         | 116                | 84          | 111 | 82         | 131     | 95          | 85        | 103       | 99     | 104    | 142   | 122     | 128      | 142     | 59          | 26      |      |
| 89776439            |  | B 060003          | 93               | 92            | 88         | 88       | 87          | 81        | 90           | 84          | 90        | 0           | -0.22    | -0.7           | 0           | -6.7    | 4.0      | -17         | -6.1       | 20                 | -30         | -21 | -0.51      | 17.6    | 2.1         | 2.7       | 33.0      | 1      | 3.1    | 2.75  | 2.04    | 1.44     | 0.54    | 9           |         |      |
|                     |                                                                                   |                   | 86               | 95            | 91         | 88       | 89          | 81        | 88           | 92          | 88        | 88          | 92       | 88             | 89          | 89      | 89       | 89          | 89         | 89                 | 84          | 85  | 92         | 91      | 86          | 85        | 89        | 91     | 89     | 89    | 90      | 89       | 90      |             |         |      |

# Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80    Value >120

Breeding values with an accuracy < 5% are not printed

| Animal     |            |              |                   | Selection Value     |         |        |              |               |            |          |             |           |             | Birth        |             |           | Wean          |          |                |              | Growth & Adaptation |          |             |            |     | Fertility   |     |              |         | Frame       |           | Carcass   |        |        |       |       |          |         |    |
|------------|------------|--------------|-------------------|---------------------|---------|--------|--------------|---------------|------------|----------|-------------|-----------|-------------|--------------|-------------|-----------|---------------|----------|----------------|--------------|---------------------|----------|-------------|------------|-----|-------------|-----|--------------|---------|-------------|-----------|-----------|--------|--------|-------|-------|----------|---------|----|
| ID         | Animal no  | % Inbreeding | Genomic Parentage | Index<br>EBV<br>Acc | Sire ID | Dam ID | Calv. Ease V | Calf Growth V | Milk Value | Maint. V | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth | Birth wt | Cow-Calf birth | Cow wt -wean | Wean wt             | Wean mat | Cow-Calf wn | Post wn wt | ADG | Veld growth | FCR | Skin Thicken | Scrotum | Heifer Fert | Cow Fert. | Longevity | Height | Length | EMA   | Fat   | Marbling | Dress % |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           |               |          |                |              |                     |          |             |            |     |             |     |              |         |             |           |           |        |        |       |       |          |         |    |
| BAR 170464 | GUJ 120025 |              |                   |                     |         |        | 94           | 83            | 97         | 106      | 97          | 81        | 80          | 68           | 71          | 74        | 85            | 90       | 96             | 93           | 83                  | 97       | 89          | 95         | 57  | 102         | 48  | 110          | 108     | 101         | 94        | 104       | 57     | 63     | 71    | 79    | 82       | 70      |    |
| 86042025   | BAR 140409 |              |                   |                     |         |        | 83           | 61            | 48         | 51       | 49          | 54        | 62          | 56           | 55          | 51        | -6            | 1.00     | 0.0            | 1            | -4.2                | -0.1     | -37         | 1.3        | -67 | -3          | 104 | 0.6          | 6.1     | -1.3        | 1.1       | 33.5      | -23    | -22    | -1.86 | -2.15 | -1.31    | -0.39   |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 41            | 92       | 70             | 51           | 61                  | 48       | 53          | 44         | 55  | 45          | 14  | 66           | 62      | 51          | 24        | 71        | 60     | 52     | 47    | 55    | 48       | 51      |    |
| JPM 190002 | MHB 090031 |              |                   |                     |         |        | 91           | 123           | 129        | 81       | 85          | 108       | 131         | 113          | 111         | 114       | 137           | 87       | 105            | 120          | 123                 | 129      | 128         | 121        | 111 | 87          | 104 | 112          | 70      | 78          | 81        | 112       | 133    | 126    | 112   | 99    | 90       | 111     |    |
| 88324785   | BU 140112  |              |                   |                     |         |        | 90           | 87            | 85         | 86       | 84          | 78        | 87          | 84           | 80          | 83        | 37            | 1.21     | -0.9           | 24           | 9.0                 | 7.3      | 48          | 15.4       | 14  | -26         | -8  | 0.8          | -13.1   | 13.2        | 3.4       | 40.3      | 21     | 17     | 0.81  | -0.20 | -0.80    | 0.15    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 85            | 91       | 88             | 86           | 87                  | 85       | 86          | 84         | 84  | 82          | 81  | 85           | 85      | 84          | 82        | 86        | 85     | 84     | 83    | 83    | 83       | 83      |    |
| JPM 220014 | JPM 170001 |              |                   |                     |         |        | 118          | 72            | 110        | 123      | 99          | 100       | 88          | 97           | 98          | 86        | 71            | 115      | 103            | 77           | 72                  | 110      | 99          | 75         | 99  | 88          | 95  | 105          | 80      | 103         | 89        | 114       | 95     | 90     | 89    | 99    | 104      | 89      |    |
| 94425675   | K 160229   |              |                   |                     |         |        | 83           | 78            | 78         | 79       | 78          | 71        | 79          | 77           | 73          | 76        | -18           | -0.62    | -0.7           | -13          | -7.9                | 2.8      | -16         | -10.0      | -5  | -24         | 11  | 0.5          | -8.1    | -2.8        | 2.0       | 41.6      | -1     | -6     | -0.70 | -0.16 | -0.02    | -0.14   |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 79            | 84       | 81             | 79           | 78                  | 78       | 78          | 76         | 77  | 76          | 76  | 77           | 77      | 77          | 76        | 80        | 77     | 77     | 76    | 76    | 76       | 76      |    |
| JPM 240009 | JPM 190007 |              |                   |                     |         |        | 107          | 100           | 109        | 106      | 109         | 116       | 108         |              |             | 101       | 95            | 103      | 104            | 93           | 100                 | 109      | 110         | 103        | 112 | 121         | 117 | 105          | 109     | 109         | 103       | 115       | 107    | 105    | 101   | 94    | 102      | 100     |    |
| 97510853   | JPM 160009 |              |                   |                     |         |        | 64           | 37            | 34         | 43       | 28          | 38        | 42          |              |             | 16        | 2             | 0.18     | -0.7           | 1            | 1.1                 | 2.5      | 9           | 5.6        | 14  | 25          | -33 | 0.5          | 6.4     | -6.6        | -0.6      | 42.5      | 6      | 4      | 0.09  | -0.63 | -0.12    | 0.01    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 47            | 70       | 55             | 43           | 37                  | 34       | 38          | 18         | 17  | 9           | 10  | 18           | 18      | 25          | 17        | 42        | 18     | 17     | 15    | 16    | 15       | 16      |    |
| JPM 240011 | JPM 190007 |              |                   |                     |         |        | 84           | 111           | 115        | 83       | 90          | 91        | 109         | 96           | 90          | 101       | 128           | 83       | 97             | 118          | 111                 | 115      | 111         | 109        | 99  | 97          | 100 | 92           | 76      | 86          | 86        | 113       | 109    | 109    | 116   | 93    | 88       | 114     |    |
| 97583850   | BU 140112  |              |                   |                     |         |        | 64           | 46            | 42         | 45       | 35          | 43        | 48          | 33           | 40          | 24        | 30            | 1.45     | -0.1           | 22           | 4.9                 | 4.0      | 10          | 9.0        | -4  | -11         | 1   | -0.1         | -10.1   | 7.7         | 2.5       | 41.2      | 7      | 6      | 1.07  | -0.78 | -0.95    | 0.18    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 47            | 70       | 56             | 45           | 46                  | 42       | 44          | 32         | 33  | 19          | 13  | 35           | 34      | 35          | 24        | 47        | 34     | 25     | 24    | 23    | 25       | 24      | 24 |
| JPM 240013 | JPM 190007 |              |                   |                     |         |        | 90           | 105           | 104        | 101      | 99          | 100       | 105         |              |             | 98        | 98            | 92       | 89             | 97           | 105                 | 104      | 108         | 106        | 103 | 107         | 106 | 107          | 99      | 100         | 95        | 111       | 104    | 102    | 98    | 96    | 97       | 98      |    |
| 97682058   | JPM 210012 |              |                   |                     |         |        | 59           | 34            | 28         | 32       | 26          | 33        | 37          |              |             | 14        | 5             | 0.89     | 0.7            | 4            | 2.8                 | 1.4      | 4           | 7.5        | 1   | 5           | -12 | 0.5          | 1.6     | -1.1        | 0.9       | 39.8      | 4      | 2      | -0.11 | -0.42 | -0.41    | -0.03   |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 42            | 66       | 48             | 32           | 34                  | 28       | 31          | 16         | 16  | 7           | 8   | 17           | 17      | 24          | 15        | 40        | 16     | 15     | 13    | 14    | 13       | 14      |    |
| JPM 240015 | JPM 190007 |              |                   |                     |         |        | 99           | 92            | 108        | 112      | 98          | 100       | 99          |              |             | 94        | 91            | 99       | 94             | 90           | 92                  | 108      | 106         | 93         | 92  | 107         | 95  | 98           | 105     | 99          | 94        | 108       | 96     | 95     | 101   | 99    | 92       | 101     |    |
| 97737548   | BH 170364  |              |                   |                     |         |        | 62           | 39            | 33         | 42       | 29          | 38        | 42          |              |             | 14        | -1            | 0.44     | 0.2            | -2           | -1.5                | 2.5      | 0           | 0.2        | -15 | 4           | 11  | 0.1          | 4.4     | -0.6        | 1.0       | 36.9      | 0      | -3     | 0.09  | -0.19 | -0.73    | 0.01    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 44            | 68       | 53             | 42           | 39                  | 33       | 38          | 24         | 17  | 9           | 10  | 18           | 18      | 26          | 18        | 43        | 18     | 17     | 14    | 15    | 14       | 14      |    |
| JPM 240016 | JPM 190007 |              |                   |                     |         |        | 92           | 102           | 107        | 104      | 104         | 104       | 104         |              |             | 96        | 96            | 88       | 95             | 95           | 102                 | 107      | 109         | 103        | 95  | 107         | 101 | 102          | 97      | 103         | 99        | 114       | 95     | 94     | 103   | 96    | 93       | 102     |    |
| 97783120   | JPM 210009 | 21           |                   |                     |         |        | 52           | 37            | 27         | 32       | 25          | 32        | 37          |              |             | 14        | 3             | 1.12     | 0.1            | 2            | 1.8                 | 2.2      | 7           | 5.8        | -10 | 5           | -1  | 0.3          | 0.3     | -3.2        | 0.0       | 41.9      | -1     | -3     | 0.19  | -0.43 | -0.63    | 0.03    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 42            | 56       | 44             | 32           | 37                  | 27       | 32          | 17         | 15  | 7           | 8   | 16           | 16      | 21          | 14        | 40        | 16     | 15     | 13    | 14    | 13       | 14      |    |
| JPM 250001 | JPM 190007 |              |                   |                     |         |        | 103          | 86            | 104        | 121      | 89          | 94        | 95          | 89           | 90          | 98        | 86            | 102      | 92             | 80           | 86                  | 104      | 102         | 91         | 87  | 108         | 84  | 101          | 83      | 96          | 88        | 100       | 90     | 88     | 100   | 111   | 109      | 101     |    |
| 98340474   | SAF 150004 | 2            |                   |                     |         |        | 62           | 40            | 34         | 42       | 33          | 39        | 43          | 24           | 34          | 21        | -6            | 0.21     | 0.3            | -10          | -3.4                | 1.4      | -8          | -0.8       | -22 | 6           | 32  | 0.3          | -6.7    | 1.6         | 2.2       | 30.7      | -4     | -7     | 0.00  | 1.00  | 0.29     | 0.02    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 45            | 69       | 53             | 42           | 40                  | 34       | 39          | 24         | 23  | 15          | 14  | 26           | 25      | 32          | 23        | 44        | 24     | 23     | 20    | 22    | 20       | 21      |    |
| JPM 250005 | ZIP 200002 |              |                   |                     |         |        | 79           | 105           | 104        | 102      | 106         | 98        | 102         | 112          | 103         | 110       | 96            | 78       | 84             | 96           | 105                 | 104      | 108         | 102        | 113 | 74          | 110 | 85           | 116     | 103         | 106       | 110       | 106    | 109    | 131   | 107   | 113      | 131     |    |
| 98596133   | ZIP 190128 | 1            |                   |                     |         |        | 65           | 67            | 47         | 46       | 32          | 48        | 61          | 42           | 46          | 40        | 3             | 1.76     | 1.1            | 4            | 2.9                 | 1.4      | 5           | 5.2        | 16  | -46         | -19 | -0.4         | 10.3    | -2.7        | -1.2      | 38.3      | 5      | 6      | 2.08  | 0.58  | 0.54     | 0.39    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 37            | 71       | 56             | 46           | 67                  | 47       | 53          | 46         | 41  | 8           | 13  | 46           | 45      | 31          | 18        | 46        | 44     | 39     | 38    | 42    | 39       | 40      |    |
| JPM 250006 | JPM 190002 |              |                   |                     |         |        | 85           | 109           | 118        | 104      | 95          | 105       | 116         | 108          | 107         | 104       | 101           | 88       | 83             | 94           | 109                 | 118      | 123         | 111        | 107 | 97          | 104 | 108          | 83      | 89          | 93        | 111       | 116    | 114    | 100   | 95    | 97       | 100     |    |
| 98596141   | JPM 190012 | 1            |                   |                     |         |        | 63           | 56            | 38         | 44       | 30          | 43        | 53          | 29           | 39          | 22        | 8             | 1.14     | 1.2            | 2            | 4.1                 | 4.7      | 38          | 10.1       | 7   | -10         | -7  | 0.6          | -6.8    | 6.3         | 1.2       | 39.4      | 11     | 9      | 0.03  | -0.58 | -0.44    | 0.00    |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 45            | 69       | 54             | 44           | 56                  | 38       | 46          | 29         | 28  | 13          | 10  | 30           | 30      | 29          | 19        | 43        | 30     | 28     | 21    | 23    | 21       | 22      |    |
| JPM 250008 | JPM 200011 |              |                   |                     |         |        | 121          | 70            | 96         | 121      | 93          | 89        | 79          |              |             | 86        | 73            | 117      | 109            | 81           | 70                  | 96       | 83          | 72         | 90  | 104         | 91  | 95           | 85      | 87          | 97        | 108       | 81     | 76     | 86    | 99    | 87       | 86      |    |
| 98721772   | JPM 190008 | 2            |                   |                     |         |        | 59           | 58            | 33         | 41       | 25          | 41        | 52          |              |             | 16        | -16           | -0.73    | -1.2           | -9           | -8.5                | -0.5     | -50         | -11.7      | -19 | -1          | 19  | 0.0          | -5.4    | 7.6         | 0.4       | 37.0      | -9     | -14    | -0.91 | -0.20 | -0.98    | -0.17   |    |
|            |            |              |                   |                     |         |        |              |               |            |          |             |           |             |              |             |           | 42            | 66       | 51             | 41           | 58                  | 33       | 44          | 18         | 17  | 8           | 10  | 18           | 18      | 20          | 16        | 38        | 18     | 17     | 15    | 16    | 15       | 16      |    |

# Breeding Values and Accuracies: Bulls

Inbreeding in red is high

Value <80 Value >120

Breeding values with an accuracy < 5% are not printed

| Animal     |            |         |                     | Selection Value |        |              |               |            |          |             |           |             |              |             | Birth     |              |          | Wean           |              |         |          | Growth & Adaptation |            |     |             |     | Fertility   |         |             |           | Frame     |        | Carcass |       |       |          |         |
|------------|------------|---------|---------------------|-----------------|--------|--------------|---------------|------------|----------|-------------|-----------|-------------|--------------|-------------|-----------|--------------|----------|----------------|--------------|---------|----------|---------------------|------------|-----|-------------|-----|-------------|---------|-------------|-----------|-----------|--------|---------|-------|-------|----------|---------|
| ID         | Inbreeding | Genomic | Index<br>EBV<br>Acc | Sire ID         | Dam ID | Calv. Ease V | Calf Growth V | Milk Value | Maint. V | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -brth | Birth wt | Cow-Calf birth | Cow wt -wean | Wean wt | Wean mat | Cow-Calf wn         | Post wn wt | ADG | Veld growth | FCR | Skin Thickn | Scrotum | Heifer Fert | Cow Fert. | Longevity | Height | Length  | EMA   | Fat   | Marbling | Dress % |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           |              |          |                |              |         |          |                     |            |     |             |     |             |         |             |           |           |        |         |       |       |          |         |
| JPM 250014 | 99224586   | 1       | JPM 190002          | JPM 190001      |        | 109          | 100           | 112        | 101      | 97          | 108       | 110         | 105          | 109         | 104       | 109          | 102      | 110            | 96           | 100     | 112      | 112                 | 100        | 104 | 104         | 102 | 107         | 84      | 91          | 93        | 114       | 111    | 106     | 103   | 101   | 96       | 103     |
|            |            |         |                     |                 |        | 63           | 57            | 41         | 45       | 29          | 44        | 54          | 28           | 39          | 22        | 14           | 0.20     | -1.3           | 4            | 1.3     | 3.4      | 12                  | 4.1        | 2   | -1          | -3  | 0.6         | -5.9    | 4.5         | 1.2       | 41.7      | 8      | 4       | 0.20  | -0.02 | -0.49    | 0.04    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 46           | 69       | 55             | 45           | 57      | 41       | 48                  | 28         | 28  | 14          | 10  | 30          | 29      | 27          | 19        | 42        | 29     | 28      | 21    | 22    | 21       | 22      |
| JPM 250018 | 99328429   | 1       | JPM 190007          | JPM 160009      |        | 114          | 92            | 108        | 110      | 110         | 116       | 103         |              |             | 100       | 93           | 111      | 107            | 91           | 92      | 108      | 105                 | 96         | 111 | 121         | 116 | 105         | 108     | 109         | 103       | 116       | 106    | 104     | 100   | 94    | 102      | 100     |
|            |            |         |                     |                 |        | 64           | 55            | 35         | 43       | 28          | 43        | 52          |              |             | 16        | 1            | -0.36    | -1.0           | -1           | -1.5    | 2.5      | -2                  | 1.5        | 12  | 26          | -31 | 0.5         | 6.0     | -6.9        | -0.7      | 43.4      | 5      | 3       | 0.05  | -0.63 | -0.12    | 0.00    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 47           | 70       | 55             | 43           | 55      | 35       | 44                  | 18         | 17  | 9           | 10  | 18          | 18      | 25          | 17        | 42        | 18     | 17      | 15    | 16    | 15       | 16      |
| JPM 250019 | 99342560   | 4       | JPM 190002          | AH 140006       |        | 97           | 107           | 126        | 82       | 90          | 99        | 114         | 107          | 102         | 111       | 132          | 93       | 108            | 119          | 107     | 126      | 116                 | 106        | 110 | 88          | 101 | 107         | 88      | 95          | 82        | 106       | 117    | 112     | 114   | 101   | 86       | 113     |
|            |            |         |                     |                 |        | 64           | 60            | 43         | 46       | 37          | 47        | 56          | 34           | 43          | 27        | 33           | 0.82     | -1.2           | 23           | 3.7     | 6.6      | 22                  | 7.1        | 11  | -24         | -1  | 0.5         | -4.2    | 2.1         | 3.3       | 35.1      | 12     | 8       | 0.92  | 0.00  | -1.04    | 0.17    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 47           | 69       | 56             | 46           | 60      | 43       | 50                  | 33         | 33  | 16          | 14  | 36          | 35      | 36          | 26        | 48        | 34     | 32      | 26    | 28    | 26       | 27      |
| JPM 250022 | 99567000   | 1       | JPM 190002          | JPM 220002      |        | 93           | 106           | 116        | 98       | 92          | 101       | 112         | 106          | 103         | 99        | 107          | 93       | 93             | 99           | 106     | 116      | 117                 | 107        | 107 | 100         | 105 | 110         | 82      | 89          | 87        | 112       | 119    | 112     | 100   | 95    | 95       | 100     |
|            |            |         |                     |                 |        | 60           | 37            | 34         | 37       | 30          | 37        | 40          | 28           | 34          | 20        | 13           | 0.83     | 0.3            | 6            | 3.2     | 4.3      | 25                  | 8.0        | 7   | -6          | -10 | 0.6         | -6.9    | 6.3         | 2.3       | 40.4      | 13     | 8       | 0.05  | -0.59 | -0.55    | 0.00    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 43           | 67       | 50             | 37           | 37      | 34       | 36                  | 28         | 28  | 13          | 9   | 30          | 29      | 29          | 18        | 42        | 29     | 27      | 20    | 21    | 20       | 20      |
| JPM 250023 | 99583320   | 13      | JPM 220014          | JPM 220006      |        | 123          | 73            | 103        | 125      | 100         | 104       | 89          |              |             | 86        | 70           | 121      | 106            | 76           | 73      | 103      | 95                  | 76         | 100 | 98          | 98  | 104         | 87      | 102         | 97        | 107       | 96     | 94      | 85    | 95    | 103      | 85      |
|            |            |         |                     |                 |        | 54           | 25            | 24         | 31       | 22          | 29        | 31          |              |             | 12        | -19          | -1.00    | -0.9           | -14          | -7.4    | 1.2      | -24                 | -9.2       | -3  | -9          | 4   | 0.4         | -4.7    | -2.0        | 0.4       | 36.5      | -1     | -3      | -0.98 | -0.56 | -0.07    | -0.19   |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 33           | 60       | 44             | 31           | 25      | 24       | 27                  | 16         | 14  | 6           | 8   | 15          | 15      | 20          | 13        | 32        | 15     | 13      | 12    | 13    | 12       | 12      |
| JPM 260009 | 6020540941 | 1       | JPM 190007          | JPM 230008      |        | 107          | 95            | 101        | 106      | 107         | 108       | 99          |              |             | 95        | 95           | 104      | 104            | 93           | 95      | 101      | 101                 | 98         | 101 | 119         | 108 | 97          | 105     | 106         | 104       | 110       | 98     | 101     | 98    | 93    | 99       | 97      |
|            |            |         |                     |                 |        | 47           | 36            | 28         | 32       | 25          | 31        | 36          |              |             | 16        | 2            | 0.12     | -0.7           | 1            | -0.5    | 0.8      | -12                 | 2.6        | -2  | 23          | -15 | 0.1         | 4.5     | -4.8        | -0.9      | 38.8      | 1      | 1       | -0.12 | -0.74 | -0.32    | -0.04   |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 35           | 51       | 41             | 32           | 36      | 28       | 32                  | 18         | 17  | 7           | 10  | 19          | 18      | 23          | 16        | 37        | 18     | 17      | 15    | 16    | 15       | 16      |
| JPM 260011 | 6020742349 | 2       | JPM 190007          | JPM 190008      |        | 110          | 93            | 98         | 99       | 93          | 93        | 94          |              |             | 100       | 95           | 106      | 109            | 99           | 93      | 98       | 95                  | 92         | 105 | 109         | 108 | 101         | 102     | 91          | 95        | 106       | 99     | 96      | 100   | 94    | 90       | 100     |
|            |            |         |                     |                 |        | 62           | 42            | 33         | 41       | 26          | 38        | 44          |              |             | 16        | 2            | -0.04    | -1.2           | 6            | -0.9    | 0.1      | -25                 | -0.4       | 3   | 7           | -16 | 0.3         | 2.8     | 4.9         | 0.9       | 35.1      | 1      | -2      | 0.05  | -0.63 | -0.80    | 0.00    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 44           | 69       | 53             | 41           | 42      | 33       | 39                  | 18         | 18  | 8           | 10  | 19          | 19      | 22          | 17        | 38        | 18     | 18      | 15    | 16    | 15       | 16      |
| JPM 260015 | 6020742372 | 2       | JPM 190007          | FPL 130130      |        | 111          | 100           | 110        | 94       | 118         | 119       | 106         | 122          | 124         | 109       | 106          | 104      | 114            | 104          | 100     | 110      | 106                 | 106        | 116 | 128         | 115 | 110         | 106     | 115         | 113       | 109       | 107    | 108     | 127   | 90    | 124      | 124     |
|            |            |         |                     |                 |        | 65           | 49            | 47         | 45       | 31          | 44        | 51          | 32           | 40          | 30        | 11           | 0.07     | -1.7           | 10           | 1.4     | 2.8      | 1                   | 7.3        | 20  | 36          | -29 | 0.7         | 5.1     | -10.8       | -2.4      | 38.1      | 6      | 5       | 1.80  | -1.02 | 1.17     | 0.31    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 45           | 71       | 57             | 45           | 49      | 47       | 47                  | 34         | 31  | 7           | 8   | 36          | 35      | 29          | 19        | 44        | 34     | 30      | 28    | 32    | 29       | 30      |
| JPM 260019 | 6020745235 | 3       | JPM 190007          | ZIP 210001      |        | 98           | 105           | 107        | 100      | 104         | 109       | 109         | 108          | 110         | 107       | 98           | 98       | 96             | 98           | 105     | 107      | 110                 | 107        | 107 | 116         | 106 | 102         | 114     | 107         | 98        | 110       | 94     | 101     | 114   | 108   | 122      | 114     |
|            |            |         |                     |                 |        | 63           | 47            | 39         | 43       | 30          | 41        | 48          | 28           | 37          | 27        | 5            | 0.49     | 0.0            | 5            | 3.0     | 2.1      | 9                   | 7.7        | 7   | 18          | -12 | 0.3         | 9.1     | -5.7        | 0.3       | 38.7      | -1     | 2       | 0.94  | 0.69  | 1.09     | 0.19    |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 43           | 70       | 54             | 43           | 47      | 39       | 43                  | 34         | 28  | 9           | 10  | 31          | 30      | 30          | 18        | 42        | 30     | 27      | 26    | 28    | 26       | 27      |
| JPM 260024 | 6020861446 | 1       | JPM 190007          | BH 170326       |        | 124          | 84            | 101        | 117      | 113         | 116       | 96          | 99           | 113         | 91        | 84           | 118      | 114            | 85           | 84      | 101      | 96                  | 87         | 100 | 119         | 108 | 101         | 104     | 112         | 112       | 107       | 97     | 100     | 89    | 89    | 96       | 88      |
|            |            |         |                     |                 |        | 64           | 44            | 38         | 43       | 32          | 41        | 46          | 23           | 36          | 21        | -7           | -0.83    | -1.7           | -6           | -4.0    | 0.6      | -22                 | -3.1       | -3  | 23          | -16 | 0.3         | 3.8     | -8.5        | -2.2      | 35.9      | 0      | 1       | -0.69 | -1.16 | -0.46    | -0.15   |
|            |            |         |                     |                 |        |              |               |            |          |             |           |             |              |             |           | 47           | 70       | 55             | 43           | 44      | 38       | 42                  | 24         | 23  | 8           | 12  | 25          | 24      | 30          | 22        | 44        | 24     | 22      | 20    | 22    | 20       | 21      |

# Breeding Values and Accuracies: Cows & Heifers

| Animal                 |                                                                                   |                                                                                     |                          | Selection Values  |              |               |            |           |             |           |             |              |             | Birth     |               |              | Wean           |              |            |            | Growth & Adaptability |             |           |             |            | Fertility  |             |              |             | Frame       |           | Carcass   |             |             |              |             |
|------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-------------------|--------------|---------------|------------|-----------|-------------|-----------|-------------|--------------|-------------|-----------|---------------|--------------|----------------|--------------|------------|------------|-----------------------|-------------|-----------|-------------|------------|------------|-------------|--------------|-------------|-------------|-----------|-----------|-------------|-------------|--------------|-------------|
| ID<br>Animal no        | % Inbreeding                                                                      | Genomic<br>Parentage                                                                | Index<br>EBV<br>Acc      | Sire ID<br>Dam ID | Calv. Ease V | Calf Growth V | Milk Value | Maint. V  | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth | Birth wt     | Cow-Calf birth | Cow wt -wean | Wean dir   | Wean mat   | Cow-Calf wn           | Post wn wt  | ADG       | Veld growth | FCR        | Skin Thckn | Scrotum     | Heifer Fert  | Cow Fert.   | Longevity   | Height    | Length    | EMA         | Fat         | Marbling     | Dress %     |
|                        |                                                                                   |                                                                                     |                          |                   |              |               |            |           |             |           |             |              |             |           |               |              |                |              |            |            |                       |             |           |             |            |            |             |              |             |             |           |           |             |             |              |             |
| FPL 130130<br>78721131 |  | DD 090008<br>FPL 120019                                                             |                          |                   | 126<br>90    | 93<br>88      | 109<br>90  | 93<br>88  | 130<br>83   | 128<br>79 | 102<br>89   | 145<br>84    | 141<br>80   | 118<br>84 | 105<br>10     | 125<br>-1.25 | 134<br>-3.6    | 106<br>12    | 93<br>-1.0 | 109<br>2.7 | 100<br>-13            | 102<br>5.1  | 131<br>43 | 142<br>57   | 120<br>-39 | 117<br>0.9 | 108<br>5.9  | 124<br>-16.3 | 126<br>-4.9 | 105<br>34.3 | 112<br>9  | 114<br>9  | 146<br>3.03 | 89<br>-1.17 | 152<br>2.88  | 142<br>0.54 |
| K 130070<br>76932052   | 1                                                                                 |    | CFH 080413<br>K 100072   |                   | 100<br>91    | 84<br>85      | 103<br>86  | 125<br>88 | 108<br>84   | 105<br>78 | 94<br>86    | 97<br>82     | 103<br>79   | 76<br>82  | 77<br>-13     | 101<br>0.30  | 85<br>1.1      | 76<br>-14    | 84<br>-3.9 | 103<br>1.3 | 103<br>-7             | 93<br>0.4   | 103<br>1  | 131<br>40   | 116<br>-32 | 105<br>0.4 | 105<br>4.4  | 115<br>-10.3 | 99<br>0.1   | 108<br>37.1 | 106<br>5  | 98<br>0   | 87<br>-0.85 | 85<br>-1.51 | 94<br>-0.59  | 85<br>-0.19 |
| AH 140006<br>83749978  | 3                                                                                 |    | CI 070127<br>TLM 050015  |                   | 99<br>89     | 97<br>85      | 123<br>86  | 81<br>88  | 93<br>85    | 90<br>78  | 101<br>86   | 102<br>83    | 92<br>80    | 104<br>83 | 129<br>31     | 94<br>0.74   | 111<br>-1.4    | 121<br>25    | 97<br>0.3  | 123<br>5.9 | 106<br>1              | 95<br>1.4   | 108<br>8  | 89<br>-22   | 98<br>5    | 102<br>0.3 | 105<br>4.7  | 113<br>-9.1  | 82<br>3.2   | 92<br>24.1  | 101<br>2  | 99<br>0   | 113<br>0.85 | 103<br>0.20 | 82<br>-1.29  | 112<br>0.16 |
| FPL 150093<br>82879214 |  | FPL 120037<br>FPL 120051                                                            |                          |                   | 104<br>88    | 114<br>86     | 101<br>87  | 107<br>86 | 91<br>81    | 114<br>77 | 121<br>86   | 110<br>81    | 115<br>78   | 106<br>80 | 87<br>-4      | 97<br>0.56   | 107<br>-1.0    | 93<br>0      | 114<br>6.0 | 101<br>0.8 | 115<br>20             | 109<br>9.1  | 109<br>10 | 86<br>-27   | 100<br>1   | 81<br>-0.6 | 100<br>2.0  | 91<br>4.6    | 96<br>0.6   | 95<br>26.9  | 102<br>3  | 109<br>6  | 99<br>-0.03 | 97<br>-0.36 | 132<br>1.67  | 99<br>-0.01 |
| SAF 150004<br>82305624 | 25                                                                                |    | TLM 050503<br>MAX 110025 |                   | 108<br>88    | 74<br>85      | 99<br>85   | 138<br>87 | 73<br>85    | 81<br>77  | 87<br>86    | 80<br>83     | 76<br>79    | 95<br>83  | 64<br>-23     | 106<br>-0.05 | 83<br>1.3      | 58<br>-29    | 74<br>-7.2 | 99<br>0.2  | 100<br>-12            | 82<br>-5.7  | 74<br>-41 | 101<br>-4   | 57<br>86   | 98<br>0.1  | 61<br>-17.7 | 85<br>8.4    | 76<br>4.4   | 86<br>19.6  | 78<br>-11 | 74<br>-15 | 91<br>-0.56 | 130<br>2.87 | 126<br>1.31  | 96<br>-0.05 |
| JPM 160009<br>83675199 |  | FN 070123<br>YEW 130074                                                             |                          |                   | 131<br>88    | 89<br>80      | 106<br>81  | 118<br>85 | 112<br>80   | 127<br>75 | 107<br>82   | 115<br>78    | 129<br>76   | 101<br>78 | 83<br>-8      | 125<br>-1.25 | 118<br>-2.1    | 84<br>-7     | 89<br>-2.3 | 106<br>2.0 | 105<br>-1             | 94<br>0.5   | 123<br>31 | 127<br>35   | 124<br>-47 | 107<br>0.5 | 113<br>8.6  | 111<br>-7.9  | 107<br>-1.4 | 112<br>40.2 | 112<br>9  | 109<br>6  | 94<br>-0.38 | 97<br>-0.38 | 112<br>0.48  | 94<br>-0.07 |
| BH 170326<br>85885358  |                                                                                   | B 050098<br>BH 140134                                                               |                          |                   | 120<br>80    | 70<br>64      | 92<br>63   | 131<br>73 | 120<br>51   | 110<br>60 | 80<br>68    | 101<br>40    | 109<br>54   | 81<br>36  | 62<br>-26     | 139<br>-2.16 | 132<br>-3.4    | 69<br>-20    | 70<br>-8.6 | 92<br>-1.3 | 86<br>-44             | 74<br>-10.4 | 100<br>-4 | 123<br>30   | 107<br>-13 | 97<br>0.1  | 103<br>3.4  | 117<br>-11.6 | 124<br>-4.5 | 99<br>29.9  | 92<br>-3  | 99<br>0   | 70<br>-1.94 | 86<br>-1.44 | 101<br>-0.20 | 70<br>-0.39 |
| JPM 180005<br>87357752 | 1                                                                                 |  | DVB 120005<br>YEW 130074 |                   | 108<br>87    | 104<br>81     | 101<br>82  | 84<br>85  | 95<br>80    | 96<br>75  | 101<br>83   | 132<br>79    | 108<br>76   | 112<br>79 | 114<br>18     | 105<br>0.05  | 124<br>-2.6    | 117<br>22    | 104<br>2.5 | 101<br>0.7 | 96<br>-22             | 100<br>4.1  | 132<br>44 | 104<br>-1   | 120<br>-39 | 109<br>0.6 | 115<br>9.6  | 90<br>5.7    | 100<br>0.0  | 106<br>35.5 | 102<br>3  | 103<br>3  | 106<br>0.43 | 96<br>-0.47 | 118<br>0.81  | 106<br>0.07 |
| JPM 190001<br>88260351 | 1                                                                                 | JPM 160008<br>JPM 160009                                                            |                          |                   | 115<br>77    | 90<br>48      | 93<br>56   | 120<br>69 | 105<br>33   | 111<br>51 | 97<br>57    | 100<br>21    | 109<br>42   | 97<br>19  | 90<br>-2      | 112<br>-0.43 | 118<br>-2.1    | 83<br>-8     | 90<br>-1.9 | 93<br>-1.1 | 95<br>-23             | 91<br>-1.0  | 101<br>-1 | 116<br>19   | 103<br>-5  | 103<br>0.4 | 102<br>2.8  | 103<br>-2.7  | 105<br>-1.0 | 110<br>38.5 | 94<br>-2  | 93<br>-4  | 96<br>-0.22 | 102<br>0.16 | 101<br>-0.16 | 97<br>-0.04 |
| JPM 190003<br>88481973 | 2                                                                                 | JPM 160008<br>AH 140006                                                             |                          |                   | 97<br>75     | 100<br>43     | 109<br>40  | 86<br>46  | 93<br>36    | 90<br>44  | 99<br>48    | 94<br>26     | 89<br>39    | 101<br>24 | 121<br>24     | 89<br>1.05   | 110<br>-1.3    | 114<br>19    | 100<br>1.3 | 109<br>2.8 | 101<br>-10            | 99<br>3.5   | 95<br>-10 | 97<br>-11   | 90<br>20   | 101<br>0.3 | 99<br>1.3   | 103<br>-2.9  | 92<br>1.3   | 93<br>25.3  | 90<br>-4  | 90<br>-6  | 108<br>0.53 | 105<br>0.45 | 86<br>-1.04  | 108<br>0.11 |
| JPM 190008<br>89236020 | 1                                                                                 | DVB 120005<br>JPM 150004                                                            |                          |                   | 123<br>72    | 87<br>58      | 88<br>52   | 103<br>67 | 80<br>36    | 84<br>52  | 87<br>60    | 110<br>28    | 89<br>45    | 100<br>24 | 83<br>-8      | 117<br>-0.72 | 119<br>-2.2    | 96<br>4      | 87<br>-2.8 | 88<br>-2.3 | 83<br>-50             | 82<br>-6.0  | 109<br>10 | 103<br>-2   | 108<br>-15 | 98<br>0.2  | 99<br>1.4   | 75<br>15.1   | 90<br>1.8   | 97<br>28.4  | 96<br>0   | 91<br>-5  | 93<br>-0.46 | 97<br>-0.38 | 89<br>-0.88  | 93<br>-0.09 |
| JPM 190012<br>89779532 |                                                                                   | JPM 170001<br>BH 170326                                                             |                          |                   | 93<br>75     | 87<br>42      | 104<br>49  | 131<br>65 | 103<br>35   | 104<br>48 | 98<br>51    | 102<br>23    | 104<br>40   | 88<br>21  | 65<br>-23     | 104<br>0.10  | 62<br>3.2      | 68<br>-21    | 87<br>-2.9 | 104<br>1.4 | 110<br>10             | 95<br>1.0   | 101<br>-1 | 108<br>7    | 102<br>-3  | 104<br>0.4 | 94<br>-1.1  | 100<br>-1.1  | 105<br>-1.1 | 105<br>34.2 | 97<br>0   | 98<br>0   | 82<br>-1.15 | 91<br>-0.96 | 102<br>-0.11 | 82<br>-0.23 |

# Breeding Values and Accuracies: Cows & Heifers

| Animal                 |              |                          |                     | Selection Values |               |            |           |             |           |             |              |             |           | Birth           |                    |                   | Wean            |                  |                  |                  | Growth & Adaptability |                 |                 |                  |                  | Fertility         |                   |                   |                   | Frame           |                 | Carcass           |                   |                    |                   |
|------------------------|--------------|--------------------------|---------------------|------------------|---------------|------------|-----------|-------------|-----------|-------------|--------------|-------------|-----------|-----------------|--------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------------|-----------------|-----------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|-------------------|--------------------|-------------------|
| ID<br>Animal no        | % Inbreeding | Genomic<br>Parentage     | Index<br>EBV<br>Acc | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V  | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth   | Birth wt           | Cow-Calf birth    | Cow wt -wean    | Wean dir         | Wean mat         | Cow-Calf wn      | Post wn wt            | ADG             | Veld growth     | FCR              | Skin Thickn      | Scrotum           | Heifer Fert       | Cow Fert.         | Longevity         | Height          | Length          | EMA               | Fat               | Marbling           | Dress %           |
|                        |              |                          |                     |                  |               |            |           |             |           |             |              |             |           |                 |                    |                   |                 |                  |                  |                  |                       |                 |                 |                  |                  |                   |                   |                   |                   |                 |                 |                   |                   |                    |                   |
| ZIP 190095<br>89372460 |              | FPL 160065<br>FPL 150073 |                     | 108<br>67        | 98<br>52      | 115<br>61  | 74<br>70  | 97<br>34    | 93<br>51  | 99<br>58    | 88<br>32     | 88<br>45    | 101<br>32 | 112<br>16<br>61 | 104<br>0.11<br>62  | 117<br>-2.0<br>70 | 131<br>34<br>70 | 98<br>0.8<br>52  | 115<br>4.0<br>61 | 98<br>-18<br>61  | 90<br>-1.7<br>39      | 84<br>-27<br>32 | 104<br>1<br>6   | 80<br>40<br>7    | 64<br>-1.3<br>38 | 111<br>7.6<br>36  | 84<br>9.4<br>32   | 101<br>-0.2<br>15 | 96<br>27.0<br>54  | 96<br>-1<br>35  | 92<br>-4<br>30  | 100<br>0.03<br>29 | 96<br>-0.43<br>34 | 94<br>-0.56<br>30  | 100<br>0.00<br>32 |
| ZIP 190107<br>89372734 |              | FPL 160003<br>FPL 140090 |                     | 107<br>70        | 98<br>57      | 94<br>65   | 98<br>71  | 103<br>38   | 100<br>54 | 96<br>62    | 76<br>32     | 91<br>47    | 90<br>32  | 94<br>2<br>34   | 100<br>0.33<br>65  | 110<br>-1.4<br>72 | 101<br>8<br>71  | 98<br>0.7<br>57  | 94<br>-0.8<br>65 | 94<br>-26<br>64  | 85<br>-4.4<br>46      | 85<br>-25<br>31 | 85<br>-29<br>8  | 86<br>28<br>14   | 78<br>-0.7<br>36 | 94<br>-0.9<br>35  | 102<br>-2.5<br>37 | 105<br>-1.0<br>21 | 100<br>30.9<br>57 | 99<br>1<br>34   | 98<br>-1<br>31  | 87<br>-0.85<br>30 | 90<br>-1.05<br>33 | 86<br>-1.06<br>30  | 86<br>-0.18<br>32 |
| ZIP 190119<br>89563993 | 1            | FPL 160065<br>FPL 150097 |                     | 76<br>86         | 125<br>84     | 97<br>84   | 85<br>85  | 116<br>79   | 110<br>75 | 113<br>85   | 128<br>78    | 118<br>76   | 120<br>78 | 105<br>11<br>82 | 78<br>1.77<br>86   | 90<br>0.6<br>86   | 117<br>21<br>85 | 125<br>9.4<br>84 | 97<br>-0.3<br>84 | 107<br>1<br>84   | 128<br>19.2<br>81     | 120<br>26<br>78 | 141<br>57<br>77 | 114<br>-28<br>77 | 73<br>-0.9<br>79 | 124<br>14.4<br>79 | 104<br>-3.4<br>79 | 120<br>-3.9<br>77 | 104<br>34.0<br>82 | 113<br>10<br>79 | 118<br>12<br>78 | 122<br>1.45<br>78 | 110<br>0.87<br>79 | 123<br>1.11<br>78  | 122<br>0.29<br>78 |
| ZIP 190128<br>89564090 |              | FPL 160003<br>FPL 140115 |                     | 70<br>87         | 122<br>85     | 91<br>85   | 103<br>86 | 121<br>80   | 115<br>76 | 113<br>85   | 107<br>79    | 116<br>77   | 106<br>79 | 96<br>3<br>82   | 62<br>2.80<br>86   | 70<br>2.5<br>87   | 96<br>4<br>86   | 122<br>8.7<br>85 | 91<br>-1.5<br>85 | 110<br>10<br>85  | 111<br>10.3<br>82     | 108<br>8<br>79  | 64<br>-60<br>77 | 107<br>-14<br>77 | 87<br>-0.3<br>79 | 101<br>2.3<br>79  | 112<br>-8.4<br>80 | 128<br>-5.2<br>78 | 109<br>38.0<br>82 | 110<br>8<br>79  | 111<br>7<br>79  | 113<br>0.88<br>79 | 92<br>-0.87<br>79 | 97<br>-0.38<br>79  | 111<br>0.15<br>79 |
| JPM 200001<br>89780779 | 1            | JPM 160008<br>JPM 160009 |                     | 89<br>74         | 109<br>44     | 114<br>48  | 86<br>66  | 104<br>32   | 103<br>48 | 109<br>52   | 103<br>21    | 103<br>40   | 101<br>19 | 116<br>19<br>69 | 87<br>1.20<br>73   | 100<br>-0.4<br>71 | 113<br>19<br>66 | 109<br>4.3<br>44 | 114<br>3.7<br>48 | 110<br>10<br>53  | 113<br>11.3<br>20     | 105<br>4<br>21  | 114<br>15<br>11 | 105<br>-10<br>13 | 104<br>0.4<br>22 | 104<br>3.8<br>22  | 101<br>-1.8<br>27 | 105<br>-0.9<br>20 | 108<br>37.4<br>50 | 98<br>1<br>21   | 97<br>-1<br>20  | 100<br>0.02<br>18 | 102<br>0.16<br>20 | 101<br>-0.15<br>19 | 100<br>0.01<br>19 |
| JPM 200012<br>91164426 | 2            | JPM 160008<br>K 130070   |                     | 82<br>72         | 97<br>58      | 104<br>41  | 102<br>46 | 103<br>36   | 92<br>48  | 94<br>56    | 93<br>23     | 90<br>40    | 85<br>20  | 100<br>7<br>69  | 82<br>1.52<br>72   | 86<br>1.0<br>63   | 96<br>4<br>46   | 97<br>0.4<br>58  | 104<br>1.5<br>41 | 103<br>-6<br>48  | 104<br>6.1<br>24      | 94<br>-13<br>23 | 117<br>20<br>11 | 100<br>0<br>12   | 103<br>0.4<br>24 | 99<br>1.4<br>24   | 104<br>-3.4<br>33 | 101<br>-0.2<br>22 | 108<br>37.0<br>53 | 94<br>-2<br>24  | 90<br>-5<br>22  | 93<br>-0.42<br>19 | 97<br>-0.40<br>20 | 92<br>-0.69<br>19  | 93<br>-0.09<br>20 |
| JPM 210009<br>92458033 | 2            | JPM 160008<br>K 160229   |                     | 95<br>69         | 97<br>43      | 104<br>35  | 115<br>45 | 102<br>32   | 105<br>42 | 104<br>46   | 92<br>20     | 101<br>35   | 91<br>18  | 85<br>-6<br>65  | 90<br>1.03<br>71   | 96<br>0.0<br>60   | 87<br>-4<br>45  | 97<br>0.5<br>43  | 104<br>1.5<br>35 | 108<br>4<br>41   | 99<br>3.3<br>24       | 90<br>-18<br>20 | 100<br>-6<br>10 | 92<br>17<br>11   | 99<br>0.2<br>22  | 89<br>-3.6<br>21  | 100<br>-1.1<br>26 | 100<br>0.0<br>18  | 110<br>38.5<br>51 | 87<br>-6<br>21  | 86<br>-8<br>20  | 97<br>-0.19<br>17 | 101<br>0.02<br>19 | 95<br>-0.54<br>17  | 97<br>-0.04<br>18 |
| JPM 210012<br>92638386 |              | JPM 170001<br>FN 101019  |                     | 97<br>63         | 99<br>33      | 97<br>37   | 110<br>43 | 91<br>36    | 96<br>38  | 101<br>40   | 103<br>22    | 97<br>33    | 95<br>18  | 90<br>-2<br>63  | 103<br>0.19<br>60  | 87<br>0.9<br>58   | 91<br>-1<br>43  | 99<br>1.1<br>33  | 97<br>-0.2<br>37 | 101<br>-10<br>38 | 101<br>4.4<br>20      | 106<br>5<br>22  | 100<br>-5<br>9  | 103<br>-6<br>11  | 109<br>0.6<br>25 | 94<br>-0.9<br>24  | 94<br>3.0<br>35   | 90<br>1.8<br>21   | 104<br>34.0<br>52 | 105<br>5<br>23  | 103<br>2<br>21  | 88<br>-0.79<br>18 | 101<br>0.05<br>19 | 102<br>-0.10<br>18 | 89<br>-0.14<br>18 |
| ZIP 210001<br>91366807 |              | FPL 130033<br>FPL 120003 |                     | 106<br>78        | 105<br>72     | 104<br>66  | 106<br>71 | 103<br>47   | 114<br>61 | 112<br>72   | 119<br>52    | 119<br>58   | 114<br>50 | 89<br>-3<br>66  | 108<br>-0.17<br>77 | 97<br>-0.1<br>76  | 93<br>1<br>71   | 105<br>3.0<br>72 | 104<br>1.4<br>66 | 110<br>9<br>70   | 106<br>7.3<br>62      | 114<br>17<br>51 | 117<br>19<br>13 | 104<br>-7<br>17  | 100<br>0.2<br>57 | 124<br>14.1<br>55 | 108<br>-6.0<br>51 | 96<br>0.6<br>28   | 106<br>35.4<br>61 | 86<br>-6<br>54  | 101<br>2<br>50  | 120<br>1.31<br>49 | 124<br>2.25<br>52 | 152<br>2.88<br>49  | 122<br>0.29<br>50 |
| JPM 220001<br>93279529 | 1            | JPM 170001<br>BH 170364  |                     | 101<br>59        | 84<br>31      | 105<br>32  | 123<br>42 | 85<br>30    | 90<br>35  | 94<br>37    |              |             | 90<br>15  | 75<br>-14<br>45 | 105<br>0.04<br>64  | 83<br>1.2<br>52   | 78<br>-12<br>42 | 84<br>-4.0<br>31 | 105<br>1.7<br>32 | 103<br>-6<br>35  | 85<br>-4.2<br>23      | 93<br>-14<br>17 | 96<br>-12<br>9  | 88<br>24<br>10   | 101<br>0.3<br>18 | 95<br>-0.6<br>18  | 88<br>6.7<br>28   | 88<br>2.1<br>17   | 97<br>28.3<br>46  | 96<br>0<br>18   | 92<br>-4<br>16  | 93<br>-0.47<br>14 | 101<br>0.02<br>16 | 97<br>-0.39<br>14  | 93<br>-0.09<br>15 |
| JPM 220002<br>93328433 | 2            | JPM 170001<br>K 130070   |                     | 95<br>67         | 88<br>33      | 103<br>38  | 123<br>44 | 96<br>33    | 97<br>39  | 95<br>41    | 99<br>20     | 96<br>33    | 84<br>16  | 78<br>-12<br>64 | 100<br>0.38<br>69  | 79<br>1.6<br>59   | 78<br>-12<br>44 | 88<br>-2.8<br>33 | 103<br>1.3<br>38 | 104<br>-3<br>38  | 93<br>0.2<br>21       | 103<br>0<br>19  | 112<br>13<br>9  | 106<br>-12<br>10 | 107<br>0.5<br>21 | 95<br>-0.7<br>21  | 99<br>-0.6<br>32  | 93<br>1.2<br>19   | 106<br>35.5<br>49 | 104<br>4<br>20  | 97<br>-1<br>19  | 89<br>-0.71<br>15 | 91<br>-0.98<br>17 | 99<br>-0.31<br>15  | 88<br>-0.15<br>16 |
| JPM 220003<br>93450914 | 2            | JPM 170001<br>SAF 150004 |                     | 110<br>61        | 75<br>32      | 100<br>33  | 131<br>42 | 78<br>35    | 83<br>37  | 86<br>38    | 91<br>24     | 82<br>33    | 94<br>21  | 70<br>-19<br>45 | 114<br>-0.52<br>66 | 84<br>1.1<br>53   | 68<br>-21<br>42 | 75<br>-7.1<br>32 | 100<br>0.4<br>33 | 96<br>-21<br>36  | 80<br>-7.2<br>24      | 88<br>-21<br>23 | 97<br>-10<br>15 | 77<br>46<br>15   | 104<br>0.4<br>26 | 73<br>-11.8<br>25 | 85<br>8.8<br>33   | 81<br>3.4<br>23   | 94<br>25.7<br>48  | 90<br>-4<br>24  | 85<br>-8<br>22  | 91<br>-0.56<br>20 | 113<br>1.21<br>22 | 115<br>0.64<br>20  | 93<br>-0.08<br>21 |

# Breeding Values and Accuracies: Cows & Heifers

| Animal                 |              |                          |                     | Selection Values  |              |               |            |           |             |           |             |              |             | Birth     |                 |                    | Wean              |                 |                  |                  | Growth & Adaptability |                   |                 |                 |                  | Fertility        |                  |                   |                   | Frame             |                 | Carcass        |                   |                    |                    |                   |
|------------------------|--------------|--------------------------|---------------------|-------------------|--------------|---------------|------------|-----------|-------------|-----------|-------------|--------------|-------------|-----------|-----------------|--------------------|-------------------|-----------------|------------------|------------------|-----------------------|-------------------|-----------------|-----------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-----------------|----------------|-------------------|--------------------|--------------------|-------------------|
| ID<br>Animal no        | % Inbreeding | Genomic<br>Parentage     | Index<br>EBV<br>Acc | Sire ID<br>Dam ID | Calv. Ease V | Calf Growth V | Milk Value | Maint. V  | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth   | Birth wt           | Cow-Calf birth    | Cow wt -wean    | Wean dir         | Wean mat         | Cow-Calf wn           | Post wn wt        | ADG             | Veld growth     | FCR              | Skin Thckn       | Scrotum          | Heifer Fert       | Cow Fert.         | Longevity         | Height          | Length         | EMA               | Fat                | Marbling           | Dress %           |
|                        |              |                          |                     |                   |              |               |            |           |             |           |             |              |             |           |                 |                    |                   |                 |                  |                  |                       |                   |                 |                 |                  |                  |                  |                   |                   |                   |                 |                |                   |                    |                    |                   |
| JPM 220006<br>94024122 |              | JPM 170001<br>BH 170326  |                     |                   | 123<br>67    | 80<br>37      | 97<br>37   | 127<br>44 | 102<br>32   | 108<br>40 | 93<br>43    | 101<br>23    | 107<br>35   | 87<br>21  | 68<br>-20<br>47 | 120<br>-0.93<br>69 | 104<br>-0.8<br>59 | 74<br>-16<br>44 | 80<br>-5.4<br>37 | 97<br>-0.1<br>37 | 95<br>-23<br>39       | 82<br>-5.9<br>24  | 101<br>-2<br>22 | 109<br>7<br>8   | 101<br>-2<br>13  | 104<br>0.4<br>25 | 94<br>-1.2<br>24 | 100<br>-1.2<br>32 | 105<br>-1.1<br>21 | 101<br>31.3<br>44 | 97<br>0<br>24   | 98<br>-1<br>22 | 81<br>-1.25<br>20 | 91<br>-0.95<br>22  | 102<br>-0.11<br>20 | 80<br>-0.25<br>21 |
| JPM 230004<br>95337895 | 1            | JPM 190002<br>BH 170364  |                     |                   | 93<br>61     | 106<br>42     | 119<br>39  | 99<br>45  | 87<br>33    | 100<br>40 | 114<br>45   | 96<br>29     | 98<br>37    | 101<br>22 | 106<br>11<br>45 | 91<br>0.97<br>67   | 96<br>0.0<br>54   | 98<br>5<br>45   | 106<br>3.3<br>42 | 119<br>4.9<br>39 | 120<br>31<br>42       | 105<br>6.8<br>33  | 97<br>-7<br>29  | 93<br>-17<br>14 | 92<br>16<br>11   | 102<br>0.3<br>31 | 88<br>-4.2<br>31 | 85<br>8.7<br>31   | 86<br>2.6<br>21   | 106<br>35.8<br>47 | 112<br>9<br>30  | 107<br>5<br>29 | 103<br>0.21<br>21 | 102<br>0.16<br>23  | 91<br>-0.77<br>21  | 103<br>0.04<br>22 |
| JPM 230005<br>95381190 | 1            | JPM 190002<br>JPM 180004 |                     |                   | 94<br>60     | 115<br>40     | 119<br>38  | 88<br>45  | 82<br>30    | 100<br>39 | 121<br>44   | 113<br>30    | 104<br>36   | 110<br>22 | 115<br>19<br>45 | 91<br>0.96<br>67   | 103<br>-0.7<br>53 | 110<br>16<br>45 | 115<br>6.3<br>40 | 119<br>5.0<br>38 | 120<br>31<br>41       | 112<br>10.6<br>30 | 112<br>14<br>30 | 94<br>-15<br>14 | 107<br>-13<br>11 | 106<br>0.5<br>31 | 85<br>-5.4<br>31 | 75<br>14.9<br>28  | 85<br>2.7<br>20   | 105<br>34.6<br>43 | 116<br>11<br>31 | 111<br>7<br>29 | 105<br>0.36<br>22 | 98<br>-0.29<br>23  | 90<br>-0.83<br>22  | 105<br>0.06<br>22 |
| JPM 230007<br>95427407 | 1            | JPM 190007<br>JPM 160009 |                     |                   | 110<br>68    | 95<br>37      | 109<br>34  | 101<br>43 | 109<br>29   | 111<br>39 | 102<br>43   |              |             | 101<br>16 | 99<br>6<br>82   | 109<br>-0.20<br>71 | 104<br>-0.8<br>59 | 97<br>4<br>43   | 95<br>-0.4<br>37 | 109<br>2.6<br>34 | 105<br>-2<br>38       | 99<br>3.6<br>18   | 112<br>14<br>17 | 121<br>25<br>9  | 117<br>-33<br>10 | 105<br>0.5<br>18 | 109<br>6.4<br>18 | 109<br>-6.6<br>25 | 103<br>-0.6<br>17 | 115<br>42.4<br>44 | 107<br>6<br>16  | 105<br>4<br>17 | 101<br>0.09<br>15 | 94<br>-0.63<br>16  | 102<br>-0.12<br>15 | 100<br>0.01<br>16 |
| JPM 230008<br>95638680 |              | OA 170014<br>BH 170326   |                     |                   | 126<br>54    | 84<br>39      | 93<br>39   | 119<br>45 | 109<br>35   | 112<br>38 | 93<br>42    | 99<br>26     | 110<br>34   | 90<br>24  | 82<br>-8<br>46  | 120<br>-0.96<br>54 | 115<br>-1.8<br>51 | 84<br>-7<br>45  | 84<br>-4.1<br>39 | 93<br>-1.2<br>39 | 90<br>-35<br>41       | 87<br>-3.1<br>26  | 101<br>-1<br>26 | 124<br>31<br>9  | 106<br>-11<br>15 | 90<br>-0.2<br>28 | 106<br>4.9<br>28 | 105<br>-4.2<br>33 | 110<br>-1.9<br>23 | 106<br>35.6<br>48 | 93<br>-2<br>27  | 100<br>1<br>25 | 88<br>-0.80<br>23 | 95<br>-0.61<br>25  | 105<br>0.08<br>23  | 87<br>-0.16<br>24 |
| JPM 230010<br>96083472 |              | OA 170014<br>K 160229    |                     |                   | 124<br>66    | 76<br>35      | 99<br>34   | 112<br>44 | 101<br>30   | 98<br>38  | 85<br>41    | 96<br>21     | 96<br>33    | 92<br>19  | 89<br>-3<br>44  | 124<br>-1.19<br>67 | 109<br>-1.2<br>58 | 90<br>-2<br>44  | 76<br>-6.5<br>35 | 99<br>0.4<br>34  | 87<br>-41<br>38       | 80<br>-7.0<br>24  | 100<br>-3<br>21 | 110<br>10<br>9  | 103<br>-5<br>12  | 90<br>-0.2<br>23 | 97<br>0.6<br>22  | 100<br>-1.1<br>27 | 96<br>0.7<br>18   | 112<br>39.9<br>46 | 94<br>-2<br>22  | 97<br>-1<br>20 | 98<br>-0.12<br>18 | 99<br>-0.22<br>20  | 105<br>0.04<br>18  | 98<br>-0.03<br>19 |
| WGM 230050<br>96438171 | 6            | WGM 190014<br>HL 150014  |                     |                   | 110<br>65    | 74<br>64      | 98<br>37   | 105<br>41 | 98<br>34    | 82<br>46  | 74<br>57    |              |             | 86<br>16  | 89<br>-3<br>30  | 112<br>-0.45<br>71 | 100<br>-0.3<br>55 | 94<br>2<br>41   | 74<br>-7.2<br>64 | 98<br>0.0<br>37  | 83<br>-51<br>47       | 78<br>-8.1<br>26  | 106<br>5<br>18  | 115<br>17<br>9  | 109<br>-17<br>10 | 103<br>0.4<br>20 | 98<br>0.8<br>19  | 100<br>-1.1<br>32 | 97<br>0.5<br>22   | 102<br>32.1<br>48 | 96<br>0<br>19   | 93<br>-4<br>18 | 83<br>-1.12<br>16 | 101<br>0.07<br>17  | 107<br>0.19<br>16  | 84<br>-0.21<br>16 |
| JPM 240002<br>96368386 |              | OA 170014<br>JPM 200012  |                     |                   | 93<br>59     | 97<br>36      | 99<br>31   | 101<br>35 | 100<br>29   | 92<br>35  | 94<br>39    | 95<br>20     | 91<br>30    | 93<br>18  | 101<br>8<br>43  | 93<br>0.82<br>64   | 93<br>0.2<br>49   | 97<br>5<br>35   | 97<br>0.2<br>36  | 99<br>0.2<br>31  | 98<br>-18<br>34       | 102<br>4.9<br>20  | 98<br>-6<br>20  | 121<br>26<br>9  | 102<br>-4<br>12  | 93<br>-0.1<br>22 | 104<br>3.8<br>22 | 99<br>-0.1<br>27  | 98<br>0.3<br>18   | 108<br>37.1<br>42 | 94<br>-2<br>21  | 96<br>-2<br>20 | 99<br>-0.04<br>18 | 100<br>-0.09<br>19 | 101<br>-0.17<br>18 | 99<br>-0.01<br>18 |
| JPM 240004<br>96605043 | 1            | OA 170014<br>JPM 180005  |                     |                   | 107<br>58    | 101<br>32     | 98<br>36   | 92<br>44  | 96<br>29    | 96<br>36  | 99<br>38    | 115<br>22    | 101<br>32   | 106<br>20 | 108<br>13<br>43 | 102<br>0.23<br>56  | 110<br>-1.4<br>54 | 108<br>14<br>44 | 101<br>1.7<br>32 | 98<br>0.0<br>36  | 96<br>-22<br>37       | 101<br>4.8<br>20  | 117<br>23<br>22 | 114<br>16<br>9  | 112<br>-24<br>13 | 96<br>0.1<br>24  | 112<br>7.9<br>23 | 92<br>4.4<br>27   | 97<br>0.4<br>18   | 108<br>36.9<br>41 | 98<br>1<br>23   | 103<br>2<br>21 | 106<br>0.39<br>19 | 99<br>-0.12<br>21  | 114<br>0.59<br>19  | 105<br>0.07<br>20 |
| JPM 240006<br>97117428 | 1            | JPM 200011<br>AH 140006  |                     |                   | 101<br>60    | 94<br>42      | 110<br>36  | 93<br>43  | 97<br>32    | 92<br>39  | 95<br>44    | 95<br>23     | 91<br>34    | 96<br>21  | 109<br>14<br>45 | 96<br>0.61<br>65   | 106<br>-0.9<br>53 | 105<br>12<br>43 | 94<br>-0.8<br>42 | 110<br>2.9<br>36 | 101<br>-11<br>40      | 94<br>0.7<br>24   | 96<br>-10<br>23 | 92<br>-18<br>12 | 91<br>19<br>13   | 98<br>0.2<br>25  | 93<br>-1.8<br>24 | 103<br>-2.6<br>30 | 93<br>1.2<br>22   | 102<br>32.4<br>43 | 90<br>-4<br>24  | 89<br>-6<br>22 | 103<br>0.19<br>20 | 102<br>0.08<br>22  | 84<br>-1.16<br>20  | 103<br>0.04<br>21 |
| JPM 240007<br>97159636 | 1            | JPM 190002<br>JPM 200001 |                     |                   | 88<br>60     | 118<br>39     | 121<br>37  | 84<br>44  | 94<br>29    | 106<br>38 | 121<br>43   | 108<br>28    | 108<br>35   | 107<br>22 | 126<br>28<br>45 | 84<br>1.36<br>66   | 102<br>-0.5<br>53 | 117<br>21<br>44 | 118<br>7.2<br>39 | 121<br>5.6<br>37 | 120<br>32<br>40       | 119<br>14.2<br>28 | 108<br>9<br>28  | 92<br>-5<br>14  | 105<br>-9<br>10  | 108<br>0.6<br>30 | 87<br>-4.6<br>29 | 90<br>5.7<br>27   | 93<br>1.2<br>19   | 110<br>38.8<br>40 | 116<br>11<br>29 | 112<br>8<br>28 | 106<br>0.42<br>21 | 101<br>-0.02<br>22 | 96<br>-0.47<br>21  | 106<br>0.08<br>22 |
| JPM 240008<br>97430169 | 14           | JPM 190007<br>JPM 190001 |                     |                   | 113<br>63    | 92<br>38      | 101<br>35  | 108<br>41 | 106<br>25   | 108<br>37 | 99<br>42    |              |             | 99<br>14  | 99<br>5<br>45   | 107<br>-0.11<br>70 | 109<br>-1.3<br>54 | 92<br>0<br>41   | 92<br>-1.2<br>38 | 101<br>0.6<br>35 | 99<br>-16<br>38       | 94<br>0.8<br>16   | 101<br>-2<br>15 | 115<br>17<br>8  | 106<br>-11<br>9  | 104<br>0.4<br>16 | 103<br>3.5<br>16 | 105<br>-4.0<br>21 | 102<br>-0.4<br>14 | 112<br>40.2<br>40 | 98<br>1<br>16   | 97<br>-1<br>15 | 102<br>0.17<br>13 | 97<br>-0.36<br>14  | 96<br>-0.44<br>13  | 102<br>0.02<br>14 |

# Breeding Values and Accuracies: Cows & Heifers

Value <80    Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                   |            |                          |            | Selection Values |               |            |           |             |           |             |              |             |           | Birth           |                    |                   | Wean            |                  |                  |                  | Growth & Adaptability |                 |                 |                  |                  | Fertility         |                   |                   |                   | Frame           |                 | Carcass           |                    |                   |                   |
|--------------------------|------------|--------------------------|------------|------------------|---------------|------------|-----------|-------------|-----------|-------------|--------------|-------------|-----------|-----------------|--------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------------|-----------------|-----------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------|-----------------|-------------------|--------------------|-------------------|-------------------|
| ID                       | Inbreeding | Genomic                  | Index      | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V  | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth   | Birth wt           | Cow-Calf birth    | Cow wt -wean    | Wean dir         | Wean mat         | Cow-Calf wn      | Post wn wt            | ADG             | Veld growth     | FCR              | Skin Thckn       | Scrotum           | Heifer Fert       | Cow Fert.         | Longevity         | Height          | Length          | EMA               | Fat                | Marbling          | Dress %           |
| Animal no                | %          | Parentage                | EBV<br>Acc |                  |               |            |           |             |           |             |              |             |           |                 |                    |                   |                 |                  |                  |                  |                       |                 |                 |                  |                  |                   |                   |                   |                   |                 |                 |                   |                    |                   |                   |
| JPM 240010<br>97558688   | 1          | JPM 190007<br>BH 170326  |            | 121<br>65        | 86<br>44      | 101<br>38  | 117<br>43 | 113<br>32   | 117<br>41 | 98<br>46    | 99<br>23     | 114<br>36   | 91<br>21  | 84<br>47        | 115<br>-0.62<br>71 | 112<br>-1.6<br>55 | 85<br>6         | 86<br>-3.2<br>43 | 101<br>0.7<br>44 | 98<br>-18<br>38  | 89<br>-1.9<br>24      | 100<br>-3<br>23 | 119<br>23<br>8  | 108<br>-16<br>12 | 101<br>0.3<br>25 | 104<br>3.8<br>24  | 112<br>-8.5<br>30 | 112<br>-2.2<br>22 | 107<br>36.2<br>45 | 97<br>0<br>24   | 100<br>1<br>22  | 89<br>-0.69<br>20 | 89<br>-1.16<br>22  | 96<br>-0.46<br>20 | 88<br>-0.15<br>21 |
| JPM 240012<br>97630164   | 1          | JPM 190002<br>K 130070   |            | 100<br>65        | 100<br>43     | 115<br>43  | 99<br>47  | 96<br>35    | 104<br>43 | 108<br>47   | 105<br>31    | 105<br>39   | 95<br>23  | 107<br>12<br>48 | 99<br>0.41<br>70   | 99<br>-0.3<br>57  | 98<br>5<br>47   | 100<br>1.3<br>43 | 115<br>4.1<br>43 | 113<br>16<br>44  | 103<br>5.9<br>32      | 107<br>7<br>31  | 109<br>7<br>14  | 110<br>-20<br>10 | 109<br>0.6<br>33 | 88<br>-4.3<br>32  | 96<br>1.4<br>35   | 90<br>1.7<br>23   | 110<br>38.7<br>48 | 120<br>13<br>32 | 112<br>8<br>30  | 99<br>-0.02<br>22 | 92<br>-0.85<br>24  | 92<br>-0.69<br>22 | 98<br>-0.02<br>23 |
| JPM 240014<br>97703029   | 26         | JPM 200011<br>K 160229   |            | 108<br>62        | 87<br>41      | 102<br>31  | 116<br>42 | 103<br>26   | 104<br>38 | 95<br>43    |              |             | 86<br>14  | 81<br>-9<br>44  | 103<br>0.18<br>68  | 103<br>-0.7<br>53 | 86<br>-5<br>42  | 87<br>-3.0<br>41 | 102<br>1.1<br>31 | 99<br>-14<br>38  | 89<br>-2.1<br>22      | 91<br>-17<br>16 | 96<br>-13<br>8  | 92<br>16<br>8    | 96<br>0.1<br>17  | 83<br>-6.7<br>17  | 100<br>-0.8<br>22 | 101<br>-0.2<br>15 | 113<br>40.7<br>41 | 87<br>-6<br>16  | 86<br>-8<br>15  | 92<br>-0.52<br>13 | 97<br>-0.35<br>14  | 93<br>-0.65<br>13 | 91<br>-0.11<br>14 |
| JPM 250004<br>98559461   | 4          | ZIP 200002<br>ZIP 190119 |            | 95<br>64         | 110<br>67     | 102<br>46  | 88<br>46  | 101<br>32   | 100<br>48 | 105<br>61   | 125<br>42    | 109<br>46   | 117<br>41 | 106<br>11<br>38 | 94<br>0.73<br>71   | 101<br>-0.4<br>56 | 112<br>17<br>46 | 110<br>4.5<br>67 | 102<br>1.0<br>46 | 103<br>-7<br>53  | 112<br>10.6<br>45     | 122<br>30<br>41 | 110<br>9<br>8   | 115<br>-30<br>12 | 78<br>-0.7<br>47 | 130<br>17.3<br>46 | 98<br>0.6<br>31   | 102<br>-0.5<br>18 | 103<br>33.1<br>46 | 111<br>8<br>44  | 117<br>11<br>40 | 136<br>2.38<br>39 | 116<br>1.45<br>43  | 126<br>1.29<br>39 | 136<br>0.47<br>41 |
| JPM 250007<br>98686967   | 1          | ZIP 200002<br>FPL 130130 |            | 124<br>66        | 80<br>68      | 113<br>52  | 103<br>48 | 110<br>34   | 108<br>50 | 93<br>63    | 129<br>48    | 118<br>49   | 107<br>46 | 94<br>1<br>42   | 118<br>-0.81<br>71 | 118<br>-2.1<br>58 | 95<br>2<br>48   | 80<br>-5.3<br>68 | 113<br>3.6<br>52 | 99<br>-15<br>56  | 88<br>-2.5<br>48      | 122<br>29<br>47 | 114<br>15<br>8  | 114<br>-28<br>12 | 99<br>0.2<br>54  | 118<br>11.3<br>52 | 111<br>-7.7<br>32 | 106<br>-1.1<br>21 | 103<br>33.2<br>49 | 104<br>4<br>51  | 107<br>5<br>45  | 140<br>2.63<br>44 | 105<br>0.44<br>49  | 142<br>2.24<br>45 | 138<br>0.49<br>46 |
| JPM 250009<br>98911159   |            | JPM 180005               |            | 106<br>53        | 106<br>52     | 110<br>30  | 77<br>35  | 86<br>19    | 91<br>36  | 105<br>47   |              |             | 90<br>12  | 113<br>18<br>35 | 103<br>0.16<br>60  | 114<br>-1.7<br>45 | 126<br>30<br>35 | 106<br>3.3<br>52 | 110<br>2.9<br>30 | 101<br>-12<br>39 | 95<br>1.0<br>14       | 95<br>-10<br>14 | 103<br>-1<br>5  | 91<br>18<br>8    | 92<br>-0.1<br>15 | 102<br>3.0<br>15  | 82<br>10.9<br>16  | 90<br>1.7<br>12   | 86<br>19.2<br>28  | 94<br>-2<br>14  | 89<br>-6<br>14  | 92<br>-0.53<br>12 | 78<br>-2.20<br>13  | 86<br>-1.09<br>12 | 89<br>-0.14<br>12 |
| JPM 250012<br>99000069   | 6          | ZIP 200002<br>ZIP 210001 |            | 103<br>64        | 94<br>56      | 110<br>44  | 106<br>45 | 95<br>33    | 101<br>45 | 102<br>54   | 117<br>46    | 106<br>45   | 110<br>45 | 90<br>-1<br>39  | 103<br>0.17<br>70  | 97<br>-0.1<br>55  | 93<br>1<br>45   | 94<br>-0.5<br>56 | 110<br>2.8<br>44 | 107<br>3<br>48   | 98<br>2.7<br>47       | 115<br>19<br>45 | 100<br>-5<br>10 | 107<br>-14<br>14 | 91<br>-0.1<br>51 | 127<br>15.9<br>49 | 102<br>-2.0<br>33 | 91<br>1.7<br>20   | 104<br>33.9<br>46 | 93<br>-2<br>48  | 103<br>2<br>44  | 131<br>2.03<br>43 | 123<br>2.15<br>47  | 140<br>2.17<br>43 | 132<br>0.41<br>45 |
| JPM 250015<br>99254468   |            | BH 170326                |            | 122<br>56        | 80<br>57      | 109<br>33  | 104<br>37 | 99<br>26    | 99<br>40  | 91<br>51    | 74<br>20     | 89<br>34    | 71<br>18  | 79<br>-11<br>38 | 120<br>-0.93<br>63 | 112<br>-1.5<br>48 | 94<br>2<br>37   | 80<br>-5.1<br>57 | 109<br>2.7<br>33 | 96<br>-21<br>42  | 74<br>-10.1<br>20     | 77<br>-38<br>20 | 115<br>17<br>6  | 81<br>38<br>11   | 86<br>-0.4<br>21 | 94<br>-0.9<br>21  | 96<br>1.5<br>26   | 103<br>-0.6<br>18 | 82<br>16.1<br>35  | 86<br>-6<br>21  | 83<br>-10<br>19 | 71<br>-1.91<br>18 | 73<br>-2.68<br>19  | 77<br>-1.60<br>18 | 68<br>-0.41<br>18 |
| JPM 250016<br>99254476   | 1          | JPM 190002<br>JPM 200001 |            | 87<br>62         | 126<br>56     | 119<br>38  | 79<br>44  | 93<br>29    | 108<br>43 | 127<br>53   | 111<br>28    | 111<br>38   | 111<br>22 | 133<br>34<br>45 | 83<br>1.45<br>68   | 104<br>-0.8<br>54 | 124<br>28<br>44 | 126<br>9.9<br>56 | 119<br>5.0<br>38 | 120<br>32<br>46  | 125<br>17.9<br>28     | 112<br>14<br>28 | 98<br>-9<br>14  | 107<br>-14<br>10 | 109<br>0.6<br>30 | 89<br>-3.4<br>29  | 88<br>6.8<br>27   | 93<br>1.3<br>19   | 108<br>37.0<br>42 | 120<br>13<br>29 | 117<br>11<br>28 | 109<br>0.63<br>21 | 100<br>-0.02<br>22 | 96<br>-0.46<br>21 | 109<br>0.12<br>22 |
| JPM 250020<br>99370298   |            | JPM 200012               |            | 81<br>52         | 99<br>29      | 116<br>21  | 92<br>23  | 91<br>19    | 84<br>27  | 98<br>31    |              |             | 77<br>10  | 97<br>4<br>35   | 84<br>1.42<br>60   | 87<br>0.9<br>40   | 106<br>12<br>23 | 99<br>0.8<br>29  | 116<br>4.4<br>21 | 109<br>7<br>24   | 94<br>0.7<br>12       | 74<br>-42<br>11 | 112<br>12<br>5  | 78<br>45<br>6    | 89<br>-0.2<br>12 | 92<br>-1.9<br>12  | 90<br>5.7<br>16   | 91<br>1.6<br>11   | 86<br>19.4<br>29  | 87<br>-6<br>12  | 78<br>-13<br>11 | 86<br>-0.91<br>9  | 79<br>-2.17<br>10  | 73<br>-1.84<br>9  | 83<br>-0.21<br>10 |
| JPM 250024<br>99684193   | 1          | JPM 200011<br>JPM 210012 |            | 96<br>54         | 98<br>34      | 98<br>26   | 111<br>31 | 96<br>24    | 97<br>32  | 99<br>36    |              |             | 92<br>12  | 89<br>-3<br>40  | 96<br>0.60<br>59   | 91<br>0.4<br>45   | 91<br>-1<br>31  | 98<br>0.5<br>34  | 98<br>-0.1<br>26 | 101<br>-12<br>30 | 99<br>3.7<br>16       | 94<br>-12<br>15 | 98<br>-9<br>7   | 94<br>13<br>8    | 102<br>0.3<br>16 | 87<br>-4.6<br>16  | 93<br>3.5<br>22   | 97<br>0.5<br>14   | 109<br>37.4<br>36 | 92<br>-3<br>16  | 91<br>-5<br>14  | 90<br>-0.62<br>12 | 101<br>0.01<br>13  | 94<br>-0.56<br>12 | 91<br>-0.12<br>12 |
| JPM 260001<br>6020527039 | 1          | JPM 190007<br>ZIP 190119 |            | 82<br>54         | 115<br>46     | 103<br>40  | 90<br>43  | 111<br>28   | 107<br>39 | 109<br>46   | 113<br>22    | 110<br>34   | 110<br>20 | 106<br>12<br>41 | 82<br>1.49<br>57   | 92<br>0.4<br>50   | 109<br>15<br>43 | 115<br>6.3<br>46 | 103<br>1.3<br>40 | 109<br>6<br>43   | 118<br>13.8<br>30     | 110<br>12<br>21 | 128<br>36<br>6  | 112<br>-23<br>7  | 88<br>-0.3<br>24 | 114<br>9.3<br>23  | 105<br>-4.3<br>27 | 110<br>-1.9<br>16 | 109<br>38.0<br>40 | 108<br>6<br>23  | 110<br>7<br>20  | 115<br>1.01<br>19 | 101<br>-0.01<br>21 | 107<br>0.20<br>19 | 114<br>0.19<br>20 |

# Breeding Values and Accuracies: Cows & Heifers

Value <80    Value >120

Breeding values with an accuracy < 5% are not printed

| Animal                   |              |                          |                     | Selection Values |               |            |           |             |           |             |              |             |           | Birth           |                   |                   | Wean            |                  |                  |                  | Growth & Adaptability |                 |                  |                  |                  | Fertility         |                   |                   |                   | Frame           |                   | Carcass           |                    |                    |                   |
|--------------------------|--------------|--------------------------|---------------------|------------------|---------------|------------|-----------|-------------|-----------|-------------|--------------|-------------|-----------|-----------------|-------------------|-------------------|-----------------|------------------|------------------|------------------|-----------------------|-----------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-----------------|-------------------|-------------------|--------------------|--------------------|-------------------|
| ID<br>Animal no          | % Inbreeding | Genomic<br>Parentage     | Index<br>EBV<br>Acc | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V  | Fertility V | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth   | Birth wt          | Cow-Calf birth    | Cow wt -wean    | Wean dir         | Wean mat         | Cow-Calf wn      | Post wn wt            | ADG             | Veld growth      | FCR              | Skin Thckn       | Scrotum           | Heifer Fert       | Cow Fert.         | Longevity         | Height          | Length            | EMA               | Fat                | Marbling           | Dress %           |
|                          |              |                          |                     |                  |               |            |           |             |           |             |              |             |           |                 |                   |                   |                 |                  |                  |                  |                       |                 |                  |                  |                  |                   |                   |                   |                   |                 |                   |                   |                    |                    |                   |
| JPM 260002<br>6020073562 | 1            | JPM 190002<br>JPM 230007 |                     | 93<br>60         | 114<br>38     | 120<br>33  | 90<br>36  | 97<br>28    | 110<br>36 | 121<br>41   | 110<br>28    | 112<br>34   | 107<br>20 | 118<br>21<br>43 | 90<br>0.99<br>67  | 101<br>-0.5<br>49 | 108<br>14<br>36 | 114<br>6.0<br>38 | 120<br>5.2<br>33 | 121<br>33<br>36  | 115<br>12.3<br>28     | 112<br>14<br>27 | 104<br>0<br>13   | 110<br>-20<br>9  | 109<br>0.6<br>29 | 89<br>-3.3<br>29  | 93<br>3.3<br>27   | 92<br>1.4<br>18   | 113<br>41.3<br>40 | 120<br>14<br>28 | 116<br>10<br>27   | 107<br>0.45<br>20 | 96<br>-0.41<br>21  | 96<br>-0.46<br>20  | 106<br>0.08<br>20 |
| JPM 260003<br>6020104912 | 1            | JPM 190002<br>JPM 210009 |                     | 93<br>60         | 110<br>39     | 116<br>34  | 94<br>37  | 93<br>29    | 104<br>37 | 116<br>42   | 103<br>28    | 104<br>34   | 102<br>21 | 111<br>16<br>43 | 89<br>1.10<br>67  | 101<br>-0.5<br>50 | 103<br>10<br>37 | 110<br>4.6<br>39 | 116<br>4.4<br>34 | 118<br>27<br>37  | 109<br>9.2<br>29      | 101<br>-2<br>28 | 93<br>-16<br>13  | 98<br>5<br>10    | 106<br>0.5<br>30 | 80<br>-8.3<br>29  | 89<br>6.1<br>27   | 91<br>1.7<br>18   | 111<br>39.5<br>42 | 110<br>8<br>29  | 106<br>5<br>27    | 104<br>0.31<br>20 | 100<br>-0.09<br>22 | 93<br>-0.67<br>20  | 104<br>0.06<br>21 |
| JPM 260004<br>6020119910 | 1            | JPM 190007<br>ZIP 190095 |                     | 101<br>61        | 100<br>40     | 112<br>37  | 84<br>42  | 101<br>25   | 97<br>38  | 100<br>43   | 93<br>20     | 94<br>33    | 101<br>18 | 109<br>14<br>41 | 99<br>0.44<br>67  | 108<br>-1.1<br>53 | 116<br>21<br>42 | 100<br>1.2<br>40 | 112<br>3.3<br>37 | 102<br>-9<br>40  | 97<br>2.1<br>22       | 92<br>-15<br>19 | 109<br>8<br>6    | 95<br>10<br>7    | 84<br>-0.4<br>23 | 108<br>5.9<br>22  | 95<br>2.0<br>23   | 100<br>-0.1<br>13 | 105<br>34.9<br>40 | 99<br>1<br>21   | 97<br>-1<br>19    | 104<br>0.30<br>17 | 94<br>-0.66<br>20  | 93<br>-0.64<br>17  | 103<br>0.04<br>18 |
| JPM 260005<br>6020170210 | 1            | JPM 190007<br>BU 140112  |                     | 90<br>64         | 106<br>46     | 114<br>42  | 83<br>45  | 90<br>35    | 90<br>43  | 105<br>48   | 96<br>33     | 89<br>40    | 101<br>24 | 128<br>30<br>47 | 90<br>0.99<br>70  | 100<br>-0.4<br>56 | 118<br>22<br>45 | 106<br>3.3<br>46 | 114<br>3.8<br>42 | 107<br>2<br>44   | 104<br>6.3<br>32      | 99<br>-4<br>33  | 97<br>-11<br>19  | 100<br>1<br>13   | 92<br>-0.1<br>35 | 76<br>-10.1<br>34 | 86<br>7.7<br>35   | 86<br>2.5<br>24   | 111<br>39.2<br>46 | 109<br>7<br>34  | 109<br>6<br>32    | 116<br>1.07<br>23 | 93<br>-0.78<br>25  | 88<br>-0.95<br>24  | 114<br>0.18<br>24 |
| JPM 260010<br>6020742331 | 1            | JPM 190007<br>ZIP 190128 |                     | 78<br>63         | 111<br>46     | 100<br>41  | 99<br>43  | 114<br>28   | 106<br>41 | 105<br>48   | 102<br>20    | 106<br>35   | 103<br>19 | 102<br>8<br>40  | 79<br>1.73<br>70  | 84<br>1.1<br>54   | 99<br>6<br>43   | 111<br>4.9<br>46 | 100<br>0.5<br>41 | 108<br>5<br>43   | 107<br>7.7<br>31      | 104<br>3<br>20  | 89<br>-22<br>6   | 108<br>-16<br>9  | 96<br>0.1<br>22  | 102<br>3.2<br>21  | 109<br>-6.8<br>28 | 113<br>-2.6<br>16 | 112<br>39.9<br>40 | 106<br>5<br>21  | 106<br>4<br>19    | 111<br>0.72<br>18 | 92<br>-0.88<br>20  | 95<br>-0.55<br>18  | 109<br>0.12<br>19 |
| JPM 260013<br>6020742356 | 2            | JPM 190007<br>JPM 190012 |                     | 89<br>62         | 98<br>37      | 107<br>32  | 117<br>40 | 104<br>26   | 106<br>37 | 105<br>41   |              |             | 94<br>14  | 86<br>-5<br>44  | 93<br>0.79<br>69  | 79<br>1.6<br>53   | 85<br>-6<br>40  | 98<br>0.6<br>37  | 107<br>2.2<br>32 | 112<br>13<br>36  | 103<br>5.4<br>16      | 101<br>-2<br>16 | 111<br>11<br>7   | 105<br>-10<br>9  | 104<br>0.4<br>17 | 99<br>1.6<br>17   | 104<br>-3.2<br>23 | 102<br>-0.5<br>15 | 109<br>38.1<br>39 | 100<br>2<br>17  | 100<br>1<br>15    | 95<br>-0.29<br>14 | 91<br>-0.92<br>15  | 97<br>-0.41<br>14  | 94<br>-0.07<br>14 |
| JPM 260014<br>6020742364 | 14           | JPM 190007<br>JPM 190003 |                     | 95<br>62         | 101<br>37     | 109<br>29  | 91<br>33  | 100<br>26   | 96<br>35  | 101<br>40   |              |             | 101<br>16 | 114<br>18<br>44 | 91<br>0.95<br>69  | 103<br>-0.7<br>50 | 108<br>14<br>33 | 101<br>1.6<br>37 | 109<br>2.7<br>29 | 104<br>-3<br>33  | 102<br>4.9<br>18      | 98<br>-6<br>17  | 106<br>2<br>9    | 100<br>1<br>10   | 103<br>0.4<br>19 | 102<br>2.8<br>18  | 105<br>-4.1<br>23 | 96<br>0.7<br>16   | 104<br>33.6<br>38 | 96<br>0<br>18   | 96<br>-2<br>17    | 108<br>0.55<br>15 | 99<br>-0.22<br>16  | 89<br>-0.88<br>15  | 107<br>0.10<br>16 |
| JPM 260017<br>6020742380 | 7            | JPM 190007<br>JPM 230010 |                     | 99<br>60         | 97<br>35      | 106<br>27  | 102<br>32 | 103<br>24   | 101<br>33 | 99<br>38    |              |             | 96<br>14  | 98<br>5<br>35   | 97<br>0.52<br>68  | 97<br>-0.1<br>48  | 96<br>4<br>32   | 97<br>0.2<br>35  | 106<br>1.8<br>27 | 104<br>-4<br>31  | 99<br>3.7<br>17       | 100<br>-3<br>15 | 112<br>13<br>7   | 106<br>-12<br>8  | 97<br>0.1<br>17  | 101<br>2.4<br>16  | 104<br>-3.2<br>21 | 98<br>0.4<br>14   | 113<br>40.9<br>36 | 98<br>1<br>16   | 99<br>0<br>15     | 103<br>0.22<br>13 | 95<br>-0.55<br>14  | 98<br>-0.34<br>13  | 102<br>0.03<br>14 |
| JPM 260021<br>6020752116 | 1            | JPM 190007<br>JPM 180005 |                     | 99<br>62         | 106<br>38     | 106<br>35  | 90<br>42  | 100<br>26   | 102<br>37 | 106<br>42   |              |             | 106<br>16 | 110<br>15<br>44 | 93<br>0.79<br>69  | 108<br>-1.2<br>53 | 109<br>15<br>42 | 106<br>3.4<br>38 | 105<br>-3<br>38  | 107<br>7.2<br>18 | 116<br>21<br>18       | 109<br>8<br>8   | 115<br>-29<br>10 | 107<br>0.5<br>19 | 110<br>6.9<br>19 | 98<br>0.2<br>23   | 99<br>0.0<br>16   | 110<br>38.7<br>38 | 102<br>3<br>19    | 102<br>2<br>18  | 107<br>0.50<br>15 | 94<br>-0.68<br>16 | 105<br>0.04<br>15  | 106<br>0.08<br>16  |                   |
| JPM 260022<br>6020823099 | 1            | JPM 190007<br>JPM 160009 |                     | 109<br>64        | 98<br>37      | 108<br>34  | 106<br>43 | 109<br>27   | 115<br>38 | 107<br>42   |              |             | 101<br>16 | 95<br>2<br>47   | 105<br>0.01<br>70 | 105<br>-0.9<br>55 | 93<br>1<br>43   | 98<br>0.5<br>37  | 108<br>2.4<br>34 | 108<br>5<br>38   | 101<br>4.6<br>18      | 112<br>14<br>17 | 121<br>25<br>9   | 117<br>-33<br>10 | 105<br>0.5<br>18 | 109<br>6.4<br>18  | 109<br>-6.6<br>25 | 103<br>-0.6<br>17 | 113<br>41.0<br>40 | 107<br>6<br>18  | 105<br>4<br>17    | 101<br>0.09<br>15 | 94<br>-0.63<br>16  | 102<br>-0.12<br>15 | 100<br>0.01<br>16 |
| JPM 260023<br>6020831449 | 14           | JPM 190007<br>JPM 190001 |                     | 105<br>63        | 98<br>38      | 102<br>35  | 108<br>41 | 106<br>24   | 110<br>37 | 103<br>42   |              |             | 99<br>14  | 99<br>5<br>45   | 99<br>0.40<br>70  | 105<br>-0.9<br>54 | 92<br>0<br>41   | 98<br>0.6<br>38  | 102<br>0.9<br>35 | 103<br>-6<br>38  | 100<br>3.7<br>16      | 101<br>-2<br>15 | 115<br>17<br>8   | 106<br>-11<br>9  | 104<br>0.4<br>16 | 103<br>3.5<br>16  | 105<br>-4.0<br>21 | 102<br>-0.4<br>14 | 112<br>40.2<br>38 | 98<br>1<br>16   | 97<br>-1<br>15    | 102<br>0.17<br>13 | 97<br>-0.36<br>14  | 96<br>-0.44<br>13  | 102<br>0.02<br>14 |
| JPM 260025<br>6020882285 | 1            | JPM 190007<br>JPM 240004 |                     | 95<br>59         | 105<br>34     | 104<br>28  | 93<br>32  | 101<br>23   | 100<br>33 | 104<br>37   |              |             | 103<br>14 | 108<br>13<br>35 | 91<br>0.91<br>67  | 101<br>-0.5<br>47 | 105<br>11<br>32 | 105<br>3.1<br>34 | 104<br>1.5<br>28 | 105<br>-2<br>31  | 107<br>7.7<br>16      | 109<br>10<br>16 | 114<br>16<br>7   | 111<br>-21<br>9  | 100<br>0.2<br>17 | 108<br>6.1<br>17  | 99<br>-0.4<br>21  | 98<br>0.2<br>14   | 111<br>39.4<br>35 | 100<br>2<br>16  | 102<br>2<br>15    | 107<br>0.48<br>13 | 96<br>-0.50<br>14  | 103<br>-0.07<br>13 | 106<br>0.08<br>14 |

Breeding Values and Accuracies: Cows & Heifers

|            |            |                   |                     | Value <80        |               | Value >120 |          | Breeding values with an accuracy < 5% are not printed |           |             |              |             |           |               |          |                |              |          |          |             |                       |     |             |     |             |           |             |           |           |        |        |         |      |          |         |
|------------|------------|-------------------|---------------------|------------------|---------------|------------|----------|-------------------------------------------------------|-----------|-------------|--------------|-------------|-----------|---------------|----------|----------------|--------------|----------|----------|-------------|-----------------------|-----|-------------|-----|-------------|-----------|-------------|-----------|-----------|--------|--------|---------|------|----------|---------|
| Animal     |            |                   |                     | Selection Values |               |            |          |                                                       |           |             |              |             |           | Birth         |          |                | Wean         |          |          |             | Growth & Adaptability |     |             |     |             | Fertility |             |           |           | Frame  |        | Carcass |      |          |         |
| ID         | Inbreeding | Genomic Parentage | Index<br>EBV<br>Acc | Calv. Ease V     | Calf Growth V | Milk Value | Maint. V | Fertility V                                           | Cow Value | Wean Calf V | Growth Value | Prod. Value | Carcass V | Cow wt -birth | Birth wt | Cow-Calf birth | Cow wt -wean | Wean dir | Wean mat | Cow-Calf wn | Post wn wt            | ADG | Veld growth | FCR | Skin Thickn | Scrotum   | Heifer Fert | Cow Fert. | Longevity | Height | Length | EMA     | Fat  | Marbling | Dress % |
|            |            |                   |                     |                  |               |            |          |                                                       |           |             |              |             |           |               |          |                |              |          |          |             |                       |     |             |     |             |           |             |           |           |        |        |         |      |          |         |
| ZIP 260034 |            | ZIP 200002        |                     | 112              | 91            | 107        | 107      | 90                                                    | 99        | 101         | 113          | 103         | 106       | 89            | 108      | 108            | 93           | 91       | 107      | 103         | 92                    | 112 | 85          | 105 | 82          | 115       | 93          | 91        | 99        | 101    | 106    | 120     | 109  | 130      | 121     |
| 6020105968 | 6          | FPL 150093        |                     | 65               | 56            | 49         | 47       | 33                                                    | 46        | 55          | 46           | 46          | 44        | -2            | -0.16    | -1.1           | 0            | -1.5     | 2.3      | -5          | -0.4                  | 15  | -29         | -10 | -0.5        | 9.8       | 3.3         | 1.7       | 30.0      | 2      | 5      | 1.36    | 0.84 | 1.55     | 0.27    |
|            |            |                   |                     |                  |               |            |          |                                                       |           |             |              |             |           | 40            | 71       | 57             | 47           | 56       | 49       | 51          | 47                    | 44  | 9           | 14  | 51          | 49        | 32          | 21        | 47        | 48     | 43     | 41      | 46   | 42       | 44      |

Selection List on Cow Value

Bulls 2 years and older

| ID           | Name       | Sire ID    | Dam ID     | % Inbreeding | Horned / Polled | Myostatin |      |       |   | Genomic test | Calving Ease Value | Calf Growth Value | Milk Value | Maint. Value | Fertility Value | Cow Value | Weaner Calf Value | Growth Value | Prod Value | Carcass Value |     |     |     |    |     |     |     |    |     |    |
|--------------|------------|------------|------------|--------------|-----------------|-----------|------|-------|---|--------------|--------------------|-------------------|------------|--------------|-----------------|-----------|-------------------|--------------|------------|---------------|-----|-----|-----|----|-----|-----|-----|----|-----|----|
| Sorted on ID |            |            |            |              |                 | nt821     | F94L | Q204X |   | Acc          | Acc                | Acc               | Acc        | Acc          | Acc             | Acc       | Acc               | Acc          | Acc        | Acc           |     |     |     |    |     |     |     |    |     |    |
|              |            |            |            |              |                 |           |      |       |   |              |                    |                   |            |              | ★★★★            |           |                   |              |            |               |     |     |     |    |     |     |     |    |     |    |
| 1            | JPM 240009 | JPM 240009 | JPM 190007 | JPM 160009   | 0.9             |           |      |       |   | 107          | 64                 | 100               | 37         | 109          | 34              | 106       | 43                | 109          | 28         | 116           | 38  | 108 | 42  |    |     | 101 | 16  |    |     |    |
|              |            |            |            |              |                 |           |      |       |   |              |                    |                   |            |              | ★★★★☆           |           |                   |              |            |               |     |     |     |    |     |     |     |    |     |    |
| 1            | JPM 190002 | JPM 190002 | MHB 090031 | BU 140112    | 0.0             | HH        | 0    | 0     | 0 | 🇬🇧           | 91                 | 90                | 123        | 87           | 129             | 85        | 81                | 86           | 85         | 84            | 108 | 78  | 131 | 87 | 113 | 84  | 111 | 80 | 114 | 83 |
| 2            | JPM 220014 | JPM 220014 | JPM 170001 | K 160229     | 1.2             | HH        | 0    | 0     | 0 | 🇬🇧           | 118                | 83                | 72         | 78           | 110             | 78        | 123               | 79           | 99         | 78            | 100 | 71  | 88  | 79 | 97  | 77  | 98  | 73 | 86  | 76 |
| 3            | JPM 240013 | JPM 240013 | JPM 190007 | JPM 210012   | 1.5             |           |      |       |   |              | 90                 | 59                | 105        | 34           | 104             | 28        | 101               | 32           | 99         | 26            | 100 | 33  | 105 | 37 |     |     | 98  | 14 |     |    |
| 4            | JPM 240015 | JPM 240015 | JPM 190007 | BH 170364    | 1.9             |           |      |       |   |              | 99                 | 62                | 92         | 39           | 108             | 33        | 112               | 42           | 98         | 29            | 100 | 38  | 99  | 42 |     |     | 94  | 14 |     |    |
| 5            | JPM 240016 | JPM 240016 | JPM 190007 | JPM 210009   | 20.5            |           |      |       |   |              | 92                 | 52                | 102        | 37           | 107             | 27        | 104               | 32           | 104        | 25            | 104 | 32  | 104 | 37 |     |     | 96  | 14 |     |    |
|              |            |            |            |              |                 |           |      |       |   |              |                    |                   |            |              | ★★★★            |           |                   |              |            |               |     |     |     |    |     |     |     |    |     |    |
| 1            | JPM 240011 | JPM 240011 | JPM 190007 | BU 140112    | 1.0             |           |      |       |   |              | 84                 | 64                | 111        | 46           | 115             | 42        | 83                | 45           | 90         | 35            | 91  | 43  | 109 | 48 | 96  | 33  | 90  | 40 | 101 | 24 |
|              |            |            |            |              |                 |           |      |       |   |              |                    |                   |            |              | ★★★★☆           |           |                   |              |            |               |     |     |     |    |     |     |     |    |     |    |
| 1            | BAR 170464 | MUTARA     | GUJ 120025 | BAR 140409   | 0.0             |           |      |       |   |              | 94                 | 83                | 83         | 61           | 97              | 48        | 106               | 51           | 97         | 49            | 81  | 54  | 80  | 62 | 68  | 56  | 71  | 55 | 74  | 51 |

# 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<br>nt821 F94L Q204X<br>Genomic test |   |   |    | 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 | Weaner Calf Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc | Carcass Value<br>Acc |
|-------------------------------|-----------------------|------------|------------|--------------|-----------------|-----------------------------------------------|---|---|----|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|--------------------------|---------------------|-------------------|----------------------|
|                               |                       |            |            |              |                 |                                               |   |   |    |                           |                          |                   |                     | ★★★★★☆☆                |                  |                          |                     |                   |                      |
| 1                             | FPL 130130 LIEFLING   | DD 090008  | FPL 120019 | 0.0          |                 |                                               |   | 0 | ☆☆ | 12690                     | 9388                     | 10990             | 9388                | 13083                  | 12879            | 10289                    | 14584               | 14180             | 11884                |
| 2                             | JPM 160009 JPM160009  | FN 070123  | YEW 130074 | 0.1          | HH              | 0                                             | 0 | 0 | ☆☆ | 13188                     | 8980                     | 10681             | 11885               | 11280                  | 12775            | 10782                    | 11578               | 12976             | 10178                |
|                               |                       |            |            |              |                 |                                               |   |   |    |                           |                          |                   |                     | ★★★★★                  |                  |                          |                     |                   |                      |
| 1                             | BH 170326 BH 170326   | B 050098   | BH 140134  | 0.0          |                 |                                               |   |   |    | 12080                     | 7064                     | 9263              | 13173               | 12051                  | 11060            | 8068                     | 10140               | 10954             | 8136                 |
| 2                             | FPL 150093 DE LA MELK | FPL 120037 | FPL 120051 | 0.0          | HH              | 0                                             | 0 | 0 | ☆☆ | 10488                     | 11486                    | 10187             | 10786               | 9181                   | 11477            | 12186                    | 11081               | 11578             | 10680                |
| 3                             | JPM 190001 JPM 190001 | JPM 160008 | JPM 160009 | 1.2          |                 |                                               |   |   |    | 11577                     | 9048                     | 9356              | 12069               | 10533                  | 11151            | 9757                     | 10021               | 10942             | 9719                 |
| 4                             | JPM 230007 JPM 230007 | JPM 190007 | JPM 160009 | 0.9          |                 |                                               |   |   |    | 11068                     | 9537                     | 10934             | 10143               | 10929                  | 11139            | 10243                    |                     |                   | 10116                |
| 5                             | JPM 230008 JPM 230008 | OA 170014  | BH 170326  | 0.1          |                 |                                               |   |   |    | 12654                     | 8439                     | 9339              | 11945               | 10935                  | 11238            | 9342                     | 9926                | 11034             | 9024                 |
| 6                             | JPM 240010 ELMA       | JPM 190007 | BH 170326  | 1.4          |                 |                                               |   |   |    | 12165                     | 8644                     | 10138             | 11743               | 11332                  | 11741            | 9846                     | 9923                | 11436             | 9121                 |
| 7                             | ZIP 190119 REBECCA    | FPL 160065 | FPL 150097 | 0.8          | HH              | 0                                             | 0 | 0 | ☆☆ | 7686                      | 12584                    | 9784              | 8585                | 11679                  | 11075            | 11385                    | 12878               | 11876             | 12078                |
| 8                             | ZIP 190128 PAM        | FPL 160003 | FPL 140115 | 0.4          | HH              | 0                                             | 0 | 0 | ☆☆ | 7087                      | 12285                    | 9185              | 10386               | 12180                  | 11576            | 11385                    | 10779               | 11677             | 10679                |
| 9                             | ZIP 210001 ROAN       | FPL 130033 | FPL 120003 | 0.0          |                 |                                               |   |   |    | 10678                     | 10572                    | 10466             | 10671               | 10347                  | 11461            | 11272                    | 11952               | 11958             | 11450                |
|                               |                       |            |            |              |                 |                                               |   |   |    |                           |                          |                   |                     | ★★★★★☆☆                |                  |                          |                     |                   |                      |
| 1                             | JPM 190012 JPM 190012 | JPM 170001 | BH 170326  | 0.5          |                 |                                               |   |   |    | 9375                      | 8742                     | 10449             | 13165               | 10335                  | 10448            | 9851                     | 10223               | 10440             | 8821                 |
| 2                             | JPM 200001 JPM 200001 | JPM 160008 | JPM 160009 | 1.2          |                 |                                               |   |   |    | 8974                      | 10944                    | 11448             | 8666                | 10432                  | 10348            | 10952                    | 10321               | 10340             | 10119                |
| 3                             | JPM 210009 JPM 210009 | JPM 160008 | K 160229   | 2.3          |                 |                                               |   |   |    | 9569                      | 9743                     | 10435             | 11545               | 10232                  | 10542            | 10446                    | 9220                | 10135             | 9118                 |
| 4                             | JPM 220006 UBUHLE     | JPM 170001 | BH 170326  | 0.5          |                 |                                               |   |   |    | 12367                     | 8037                     | 9737              | 12744               | 10232                  | 10840            | 9343                     | 10123               | 10735             | 8721                 |
| 5                             | JPM 230004 JPM 230004 | JPM 190002 | BH 170364  | 0.7          |                 |                                               |   |   |    | 9361                      | 10642                    | 11939             | 9945                | 8733                   | 10040            | 11445                    | 9629                | 9837              | 10122                |
| 6                             | JPM 230005 JPM 230005 | JPM 190002 | JPM 180004 | 1.1          |                 |                                               |   |   |    | 9460                      | 11540                    | 11938             | 8845                | 8230                   | 10039            | 12144                    | 11330               | 10436             | 11022                |
| 7                             | JPM 240007 JPM 240007 | JPM 190002 | JPM 200001 | 1.2          |                 |                                               |   |   |    | 8860                      | 11839                    | 12137             | 8444                | 9429                   | 10638            | 12143                    | 10828               | 10835             | 10722                |
| 8                             | JPM 240008 DIANNA     | JPM 190007 | JPM 190001 | 14.0         |                 |                                               |   |   |    | 11363                     | 9238                     | 10135             | 10841               | 10625                  | 10837            | 9942                     |                     |                   | 9914                 |
| 9                             | JPM 240012 JPM 240012 | JPM 190002 | K 130070   | 1.4          |                 |                                               |   |   |    | 10065                     | 10043                    | 11543             | 9947                | 9635                   | 10443            | 10847                    | 10531               | 10539             | 9523                 |
| 10                            | JPM 240014 JPM 240014 | JPM 200011 | K 160229   | 26.4         |                 |                                               |   |   |    | 10862                     | 8741                     | 10231             | 11642               | 10326                  | 10438            | 9543                     |                     |                   | 8614                 |
| 11                            | K 130070 K130070      | CFH 080413 | K 100072   | 0.8          | HH              | 0                                             | 0 | 0 | ☆☆ | 10091                     | 8485                     | 10386             | 12588               | 10884                  | 10578            | 9486                     | 9782                | 10379             | 7682                 |
| 12                            | ZIP 190107 ZIP 190107 | FPL 160003 | FPL 140090 | 0.2          |                 |                                               |   |   |    | 10770                     | 9857                     | 9465              | 9871                | 10338                  | 10054            | 9662                     | 7632                | 9147              | 9032                 |
|                               |                       |            |            |              |                 |                                               |   |   |    |                           |                          |                   |                     |                        |                  |                          |                     |                   |                      |

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<br>nt821<br>F94L<br>Q204X |   |   | Genomic test | 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 | Weaner Calf Value<br>Acc | Growth Value<br>Acc | Prod Value<br>Acc | Carcass Value<br>Acc |
|----------------------------|-----------------------|------------|------------|--------------|-----------------|-------------------------------------|---|---|--------------|---------------------------|--------------------------|-------------------|---------------------|------------------------|------------------|--------------------------|---------------------|-------------------|----------------------|
|                            |                       |            |            |              |                 |                                     |   |   |              | ★★★★                      |                          |                   |                     |                        |                  |                          |                     |                   |                      |
| 1                          | AH 140006 AH1406      | CI 070127  | TLM 050015 | 3.1          | HH              | 0                                   | 0 | 0 |              | 99 89                     | 97 85                    | 123 86            | 81 88               | 93 85                  | 90 78            | 101 86                   | 102 83              | 92 80             | 104 83               |
| 2                          | JPM 180005 JPM 180005 | DVB 120005 | YEW 130074 | 0.6          | HH              | 0                                   | 0 | 0 |              | 108 87                    | 104 81                   | 101 82            | 84 85               | 95 80                  | 96 75            | 101 83                   | 132 79              | 108 76            | 112 79               |
| 3                          | JPM 190003 JPM 190003 | JPM 160008 | AH 140006  | 2.1          |                 |                                     |   |   |              | 97 75                     | 100 43                   | 109 40            | 86 46               | 93 36                  | 90 44            | 99 48                    | 94 26               | 89 39             | 101 24               |
| 4                          | JPM 200012 JPM 200012 | JPM 160008 | K 130070   | 2.3          |                 |                                     |   |   |              | 82 72                     | 97 58                    | 104 41            | 102 46              | 103 36                 | 92 48            | 94 56                    | 93 23               | 90 40             | 85 20                |
| 5                          | JPM 210012 JULIA      | JPM 170001 | FN 101019  | 0.3          |                 |                                     |   |   |              | 97 63                     | 99 33                    | 97 37             | 110 43              | 91 36                  | 96 38            | 101 40                   | 103 22              | 97 33             | 95 18                |
| 6                          | JPM 220001 JPM 220001 | JPM 170001 | BH 170364  | 1.2          |                 |                                     |   |   |              | 101 59                    | 84 31                    | 105 32            | 123 42              | 85 30                  | 90 35            | 94 37                    |                     |                   | 90 15                |
| 7                          | JPM 220002 JPM 220002 | JPM 170001 | K 130070   | 1.8          |                 |                                     |   |   |              | 95 67                     | 88 33                    | 103 38            | 123 44              | 96 33                  | 97 39            | 95 41                    | 99 20               | 96 33             | 84 16                |
| 8                          | JPM 230010 JPM 230010 | OA 170014  | K 160229   | 0.2          |                 |                                     |   |   |              | 124 66                    | 76 35                    | 99 34             | 112 44              | 101 30                 | 98 38            | 85 41                    | 96 21               | 96 33             | 92 19                |
| 9                          | JPM 240002 JPM 240002 | OA 170014  | JPM 200012 | 0.4          |                 |                                     |   |   |              | 93 59                     | 97 36                    | 99 31             | 101 35              | 100 29                 | 92 35            | 94 39                    | 95 20               | 91 30             | 93 18                |
| 10                         | JPM 240004 JPM 240004 | OA 170014  | JPM 180005 | 0.7          |                 |                                     |   |   |              | 107 58                    | 101 32                   | 98 36             | 92 44               | 96 29                  | 96 36            | 99 38                    | 115 22              | 101 32            | 106 20               |
| 11                         | JPM 240006 JPM 240006 | JPM 200011 | AH 140006  | 1.4          |                 |                                     |   |   |              | 101 60                    | 94 42                    | 110 36            | 93 43               | 97 32                  | 92 39            | 95 44                    | 95 23               | 91 34             | 96 21                |
| 12                         | ZIP 190095 ZIP 190095 | FPL 160065 | FPL 150073 | 0.0          |                 |                                     |   |   |              | 108 67                    | 98 52                    | 115 61            | 74 70               | 97 34                  | 93 51            | 99 58                    | 88 32               | 88 45             | 101 32               |
|                            |                       |            |            |              |                 |                                     |   |   |              | ★★★★☆                     |                          |                   |                     |                        |                  |                          |                     |                   |                      |
| 1                          | JPM 190008 JPM 190008 | DVB 120005 | JPM 150004 | 1.2          |                 |                                     |   |   |              | 123 72                    | 87 58                    | 88 52             | 103 67              | 80 36                  | 84 52            | 87 60                    | 110 28              | 89 45             | 100 24               |
| 2                          | JPM 220003 JPM 220003 | JPM 170001 | SAF 150004 | 2.3          |                 |                                     |   |   |              | 110 61                    | 75 32                    | 100 33            | 131 42              | 78 35                  | 83 37            | 86 38                    | 91 24               | 82 33             | 94 21                |
| 3                          | SAF 150004 SAF 150004 | TLM 050503 | MAX 110025 | 25.0         | HH              | 0                                   | 0 | 0 |              | 108 88                    | 74 85                    | 99 85             | 138 87              | 73 85                  | 81 77            | 87 86                    | 80 83               | 76 79             | 95 83                |
| 4                          | WGM 230050 WGM 230050 | WGM 190014 | HL 150014  | 6.4          |                 |                                     |   |   |              | 110 65                    | 74 64                    | 98 37             | 105 41              | 98 34                  | 82 46            | 74 57                    |                     |                   | 86 16                |

# Selection List on Cow Value

## Bull calves younger than 2 years

| ID           | Name       | Sire ID    | Dam ID     | Visual Score | Horned / Polled | Myostatin              | Genomic test | Calving Ease Value | Calf Growth Value | Milk Value | Maint. Value | Fertility Value | Cow Value | Weaner Calf Value | Growth Value | Prod Value | Carcass Value |     |    |     |    |     |    |     |    |     |    |
|--------------|------------|------------|------------|--------------|-----------------|------------------------|--------------|--------------------|-------------------|------------|--------------|-----------------|-----------|-------------------|--------------|------------|---------------|-----|----|-----|----|-----|----|-----|----|-----|----|
| Sorted on ID |            |            |            | % Inbreeding |                 | nt821<br>F94L<br>Q204X |              | Acc                | Acc               | Acc        | Acc          | Acc             | Acc       | Acc               | Acc          | Acc        | Acc           |     |    |     |    |     |    |     |    |     |    |
|              |            |            |            |              |                 |                        |              | ★★★★★              |                   |            |              |                 |           |                   |              |            |               |     |    |     |    |     |    |     |    |     |    |
| 1            | JPM 250018 | JPM 250018 | JPM 190007 | JPM 160009   | 0.9             |                        |              | 114                | 64                | 92         | 55           | 108             | 35        | 110               | 43           | 110        | 28            | 116 | 43 | 103 | 52 |     |    | 100 | 16 |     |    |
| 2            | JPM 260015 | JPM 260015 | JPM 190007 | FPL 130130   | 1.7             |                        |              | 111                | 65                | 100        | 49           | 110             | 47        | 94                | 45           | 118        | 31            | 119 | 44 | 106 | 51 | 122 | 32 | 124 | 40 | 109 | 30 |
| 3            | JPM 260024 | JPM 260024 | JPM 190007 | BH 170326    | 1.4             |                        |              | 124                | 64                | 84         | 44           | 101             | 38        | 117               | 43           | 113        | 32            | 116 | 41 | 96  | 46 | 99  | 23 | 113 | 36 | 91  | 21 |
|              |            |            |            |              |                 |                        |              | ★★★★☆              |                   |            |              |                 |           |                   |              |            |               |     |    |     |    |     |    |     |    |     |    |
| 1            | JPM 250006 | JPM 250006 | JPM 190002 | JPM 190012   | 0.9             |                        |              | 85                 | 63                | 109        | 56           | 118             | 38        | 104               | 44           | 95         | 30            | 105 | 43 | 116 | 53 | 108 | 29 | 107 | 39 | 104 | 22 |
| 2            | JPM 250014 | JPM 250014 | JPM 190002 | JPM 190001   | 1.2             |                        |              | 109                | 63                | 100        | 57           | 112             | 41        | 101               | 45           | 97         | 29            | 108 | 44 | 110 | 54 | 105 | 28 | 109 | 39 | 104 | 22 |
| 3            | JPM 250022 | JPM 250022 | JPM 190002 | JPM 220002   | 1.3             |                        |              | 93                 | 60                | 106        | 37           | 116             | 34        | 98                | 37           | 92         | 30            | 101 | 37 | 112 | 40 | 106 | 28 | 103 | 34 | 99  | 20 |
| 4            | JPM 250023 | JPM 250023 | JPM 220014 | JPM 220006   | 13.5            |                        |              | 123                | 54                | 73         | 25           | 103             | 24        | 125               | 31           | 100        | 22            | 104 | 29 | 89  | 31 |     |    |     |    | 86  | 12 |
| 5            | JPM 260009 | JPM 260009 | JPM 190007 | JPM 230008   | 0.9             |                        |              | 107                | 47                | 95         | 36           | 101             | 28        | 106               | 32           | 107        | 25            | 108 | 31 | 99  | 36 |     |    |     |    | 95  | 16 |
| 6            | JPM 260019 | JPM 260019 | JPM 190007 | ZIP 210001   | 2.5             |                        |              | 98                 | 63                | 105        | 47           | 107             | 39        | 100               | 43           | 104        | 30            | 109 | 41 | 109 | 48 | 108 | 28 | 110 | 37 | 107 | 27 |
|              |            |            |            |              |                 |                        |              | ★★★★               |                   |            |              |                 |           |                   |              |            |               |     |    |     |    |     |    |     |    |     |    |
| 1            | JPM 250001 | JPM 250001 | JPM 190007 | SAF 150004   | 1.8             |                        |              | 103                | 62                | 86         | 40           | 104             | 34        | 121               | 42           | 89         | 33            | 94  | 39 | 95  | 43 | 89  | 24 | 90  | 34 | 98  | 21 |
| 2            | JPM 250005 | TITAN      | ZIP 200002 | ZIP 190128   | 0.5             |                        |              | 79                 | 65                | 105        | 67           | 104             | 47        | 102               | 46           | 106        | 32            | 98  | 48 | 102 | 61 | 112 | 42 | 103 | 46 | 110 | 40 |
| 3            | JPM 250019 | JPM 250019 | JPM 190002 | AH 140006    | 3.6             |                        |              | 97                 | 64                | 107        | 60           | 126             | 43        | 82                | 46           | 90         | 37            | 99  | 47 | 114 | 56 | 107 | 34 | 102 | 43 | 111 | 27 |
| 4            | JPM 260011 | JPM 260011 | JPM 190007 | JPM 190008   | 1.9             |                        |              | 110                | 62                | 93         | 42           | 98              | 33        | 99                | 41           | 93         | 26            | 93  | 38 | 94  | 44 |     |    |     |    | 100 | 16 |
|              |            |            |            |              |                 |                        |              | ★★★★☆              |                   |            |              |                 |           |                   |              |            |               |     |    |     |    |     |    |     |    |     |    |
| 1            | JPM 250008 | JPM 250008 | JPM 200011 | JPM 190008   | 1.7             |                        |              | 121                | 59                | 70         | 58           | 96              | 33        | 121               | 41           | 93         | 25            | 89  | 41 | 79  | 52 |     |    |     |    | 86  | 16 |

# Selection List on Cow Value

## Heifers younger than 2 years

| ID<br><div>Sorted on ID</div> | Name       | Sire ID    | Dam ID     | Visual Score<br>% Inbreeding | Horned /<br>Polled | Myostatin<br>nt821<br>F94L<br>Q204X | Genomic test | 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 | Weaner<br>Calf<br>Value<br>Acc | Growth<br>Value<br>Acc | Prod<br>Value<br>Acc | Carcass<br>Value<br>Acc |
|-------------------------------|------------|------------|------------|------------------------------|--------------------|-------------------------------------|--------------|---------------------------------|--------------------------------|----------------------|------------------------|---------------------------|---------------------|--------------------------------|------------------------|----------------------|-------------------------|
|                               |            |            |            |                              |                    |                                     |              | ★★★★★                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |
| 1                             | JPM 260002 | JPM 260002 | JPM 190002 | JPM 230007                   | 1.5                |                                     |              | 9360                            | 11438                          | 12033                | 9036                   | 9728                      | 11036               | 12141                          | 11028                  | 11234                | 10720                   |
| 2                             | JPM 260022 | JPM 260022 | JPM 190007 | JPM 160009                   | 0.9                |                                     |              | 10964                           | 9837                           | 10834                | 10643                  | 10927                     | 11538               | 10742                          |                        |                      | 10116                   |
| 3                             | JPM 260023 | JPM 260023 | JPM 190007 | JPM 190001                   | 14.0               |                                     |              | 10563                           | 9838                           | 10235                | 10841                  | 10624                     | 11037               | 10342                          |                        |                      | 9914                    |
|                               |            |            |            |                              |                    |                                     |              | ★★★★☆                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |
| 1                             | JPM 250004 | JPM 250004 | ZIP 200002 | ZIP 190119                   | 3.6                |                                     |              | 9564                            | 11067                          | 10246                | 8846                   | 10132                     | 10048               | 10561                          | 12542                  | 10946                | 11741                   |
| 2                             | JPM 250007 | JPM 250007 | ZIP 200002 | FPL 130130                   | 0.9                |                                     |              | 12466                           | 8068                           | 11352                | 10348                  | 11034                     | 10850               | 9363                           | 12948                  | 11849                | 10746                   |
| 3                             | JPM 250012 | JPM 250012 | ZIP 200002 | ZIP 210001                   | 6.3                |                                     |              | 10364                           | 9456                           | 11044                | 10645                  | 9533                      | 10145               | 10254                          | 11746                  | 10645                | 11045                   |
| 4                             | JPM 250016 | JPM 250016 | JPM 190002 | JPM 200001                   | 1.2                |                                     |              | 8762                            | 12656                          | 11938                | 7944                   | 9329                      | 10843               | 12753                          | 11128                  | 11138                | 11122                   |
| 5                             | JPM 260001 | JPM 260001 | JPM 190007 | ZIP 190119                   | 1.2                |                                     |              | 8254                            | 11546                          | 10340                | 9043                   | 11128                     | 10739               | 10946                          | 11322                  | 11034                | 11020                   |
| 6                             | JPM 260003 | JPM 260003 | JPM 190002 | JPM 210009                   | 0.8                |                                     |              | 9360                            | 11039                          | 11634                | 9437                   | 9329                      | 10437               | 11642                          | 10328                  | 10434                | 10221                   |
| 7                             | JPM 260010 | JPM 260010 | JPM 190007 | ZIP 190128                   | 1.1                |                                     |              | 7863                            | 11146                          | 10041                | 9943                   | 11428                     | 10641               | 10548                          | 10220                  | 10635                | 10319                   |
| 8                             | JPM 260013 | JPM 260013 | JPM 190007 | JPM 190012                   | 1.7                |                                     |              | 8962                            | 9837                           | 10732                | 11740                  | 10426                     | 10637               | 10541                          |                        |                      | 9414                    |
| 9                             | JPM 260017 | JPM 260017 | JPM 190007 | JPM 230010                   | 7.2                |                                     |              | 9960                            | 9735                           | 10627                | 10232                  | 10324                     | 10133               | 9938                           |                        |                      | 9614                    |
| 10                            | JPM 260021 | JPM 260021 | JPM 190007 | JPM 180005                   | 1.3                |                                     |              | 9962                            | 10638                          | 10635                | 9042                   | 10026                     | 10237               | 10642                          |                        |                      | 10616                   |
| 11                            | JPM 260025 | JPM 260025 | JPM 190007 | JPM 240004                   | 0.9                |                                     |              | 9559                            | 10534                          | 10428                | 9332                   | 10123                     | 10033               | 10437                          |                        |                      | 10314                   |
|                               |            |            |            |                              |                    |                                     |              | ★★★★★                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |
| 1                             | JPM 250009 | JPM 250009 |            | JPM 180005                   | 0.0                |                                     |              | 10653                           | 10652                          | 11030                | 7735                   | 8619                      | 9136                | 10547                          |                        |                      | 9012                    |
| 2                             | JPM 250015 | JPM 250015 |            | BH 170326                    | 0.0                |                                     |              | 12256                           | 8057                           | 10933                | 10437                  | 9926                      | 9940                | 9151                           | 7420                   | 8934                 | 7118                    |
| 3                             | JPM 250024 | JPM 250024 | JPM 200011 | JPM 210012                   | 1.1                |                                     |              | 9654                            | 9834                           | 9826                 | 11131                  | 9624                      | 9732                | 9936                           |                        |                      | 9212                    |
| 4                             | JPM 260004 | JPM 260004 | JPM 190007 | ZIP 190095                   | 0.5                |                                     |              | 10161                           | 10040                          | 11237                | 8442                   | 10125                     | 9738                | 10043                          | 9320                   | 9433                 | 10118                   |
| 5                             | JPM 260005 | JPM 260005 | JPM 190007 | BU 140112                    | 1.0                |                                     |              | 9064                            | 10646                          | 11442                | 8345                   | 9035                      | 9043                | 10548                          | 9633                   | 8940                 | 10124                   |
| 6                             | JPM 260014 | JPM 260014 | JPM 190007 | JPM 190003                   | 14.4               |                                     |              | 9562                            | 10137                          | 10929                | 9133                   | 10026                     | 9635                | 10140                          |                        |                      | 10116                   |
| 7                             | ZIP 260034 | DE LA MELK | ZIP 200002 | FPL 150093                   | 6.4                |                                     |              | 11265                           | 9156                           | 10749                | 10747                  | 9033                      | 9946                | 10155                          | 11346                  | 10346                | 10644                   |
|                               |            |            |            |                              |                    |                                     |              | ★★★★☆                           |                                |                      |                        |                           |                     |                                |                        |                      |                         |
| 1                             | JPM 250020 | JPM 250020 |            | JPM 200012                   | 0.0                |                                     |              | 8152                            | 9929                           | 11621                | 9223                   | 9119                      | 8427                | 9831                           |                        |                      | 7710                    |



