

OFFICIAL AUCTION CATALOGUE FOR

# ALPHA BONSMARA GROEP

Auction Date:  
**23 April 2022**

Data as on:  
**22 March 2022**



## SALES UNDER AUSPICES OF BONSMARA SA

Bonsmara stud breeding is subject to the stipulations of the Livestock Improvement Act and conforms to the standards of Bonsmara SA. The Society therefore has the right to implement certain controls to ensure the accuracy of information regarding Parentage, Performance and Estimated Breeding Values.

Information regarding Parentage, Performance and Estimated Breeding Values of animals, as supplied by the breeder, have been verified and compared to the official database of LOGIX BEEF. Bonsmara SA therefore, confirms the accuracy of such information.

To the knowledge of the Society these controls have been carried out accurately. However, the Society does not take any responsibility for incorrect information through printing errors or incorrect information provided by the breeder.

Animals on such sales have been visually screened by Inspectors of Bonsmara SA and comply with the Bonsmara Minimum Breed Standards as stipulated by the Society.

### The Society DOES NOT have any control over:

- Immunization and health status of animals
- Pregnancy status of cows and heifers
- Suitability of a bull for breeding
- Fertility status as well as venereal diseases and
- Commercial animals

Since the above is not classified as information regarding Parentage, Performance and Estimated Breeding Values, it DOES NOT fall within the jurisdiction of the meaning "Under the Auspices of Bonsmara SA".



## VEILINGS ONDER BESKERMING VAN BONSMARA SA

Bonsmara stoetteling wat onderhewig is aan die bepalings van die Veeverbeteringswet, vind plaas onder die vaandel van Bonsmara SA. Daarom behou die Genootskap hom die reg voor om kontroles volgens bepaalde prosedures uit te oefen ten opsigte van Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes.

Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes soos deur die teler voorsien vir die doel van hierdie katalogus, is gekontroleer en vergelyk met die amptelike databasis soos gehou deur LOGIX BEEF. Bonsmara SA bevestig dus die korrektheid van sodanige inligting.

Alhoewel die kontroles na die beste wete van die Genootskap gedoen is, kan die Genootskap egter nie verantwoordelik gehou word vir foutiewe inligting as gevolg van drukkersfoute of verkeerde inligting deur die telers verskaf nie.

Diere wat op hierdie veilings aangebied word, is onderwerp aan 'n proses van visuele inspeksie deur Keurders van Bonsmara SA en voldoen aan die Bonsmara Minimum Rasstandaarde soos bepaal deur die Genootskap.

### Die Genootskap het egter GEEN beheer oor:

- Immunisering en gesondheidstatus van diere
- Dragtigheidstatus van koeie en verse
- Teelgeskiktheid van bulle
- Vrugbaarheidstatus, asook geslagsiektes en
- Kommersiële diere nie.

Aangesien bogenoemde nie val onder die bedoeling met Ouerskap inligting, Prestasiedata en Beraamde Teelwaardes nie, sorteer dit NIE onder die jurisdiksie van die bedoeling "Onder beskerming van Bonsmara SA" nie.



## ANIMAL AND PEDIGREE INFORMATION

**LOT 1**
**1**

**THE RED CATTLE FARM**
**2**

3

**ABC 150029**
**4**

2015-02-03
**5**

SP
**6**

Parentage Sire Dam

DNA

Genomic

2 CO-OWNER(S)  
USED IN HERD
**12**

**DEF 100066 P**

**ABC 080011**

AGE/CALV. 13/9  
AVG. Wt/CALV. 105/9  
ICP 417

**DEF 050022**

**GHI 070076 HH(c)**

AGE/CALV. 14/10  
AVG. Wt/CALV. 92/10  
ICP 395

**JKL 000077 P**

**MNO 030002**

AGE/CALV. 19/10  
AVG. Wt/CALV. 109/10  
ICP 407

- Lot Number
- Owner of the animal
- Herd's logo (if available)
- Animal Identification Number
- Birth date
- Herd book section - NFR / PEN / F0 / A / B / SP
- Four (4) generation pedigree
- Genomic testing - it is indicated with the GT logo
- Polled Status - the status will only be printed for animals that have been tested
- Parentage Verification - a green tick (✓) indicates that the sire and/or dam has been verified via either microsatellite (DNA), or Genomic testing
- QR Code - This code can be scanned with a smart device. It redirects to the animal's information on [www.SABeefBulls.com](http://www.SABeefBulls.com) where all information for the animal is available.
- Number of owners/co-owners/users/semen-users - if more than 1 user
- Dam information
  - Age and Number of Calvings
  - Average Wean Index and Number of Calves Weaned
  - Intercalving Period

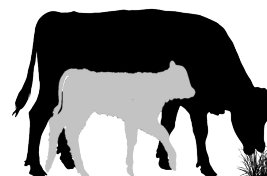
## MYOSTATIN STATUS

The animal's status, if tested for myostatin variants, is indicated as follows:

- Not Tested
- 0 - Normal
- 1 - Heterozygous / Carrier of Double-Muscling gene
- 2 - Homozygous / Double-Muscled

## LOGIX SELECTION VALUES

| Calving Ease Value | Weaner Calf Value | Fertility Value | Maintenance Value | Cow Value | Growth Value | Carcass Value |
|--------------------|-------------------|-----------------|-------------------|-----------|--------------|---------------|
| 109                | 98                | 111             | 99                | 101       | 98           | 103           |
| 1                  | 2                 | 3               | 4                 | 5         | 6            | 7             |

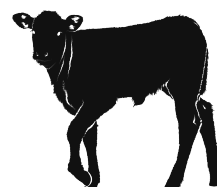


### 5 L♀ GIX Cow Value

Selection of:

- Fertile cows,
- with low maintenance,
- that calf easily,
- and wean heavy calves

- 1 Calving Ease Value EBVs Birth Direct & Maternal
- Calf Growth Value EBV Wean Direct
- 3 Fertility Value EBVs Cow & Heifer Fertility, EBV Longevity
- Milk Value EBV Wean Maternal
- 4 Maintenance Value EBVs Mature weight & Milk



### 2 L♀ GIX Weaner Calf Value

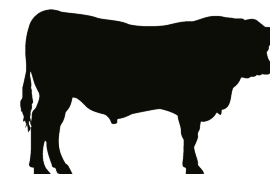
Selection of:

- Heavier weaning weights,
- with more milk,
- but restricted birth weight



### 7 L♀ GIX Carcass Value

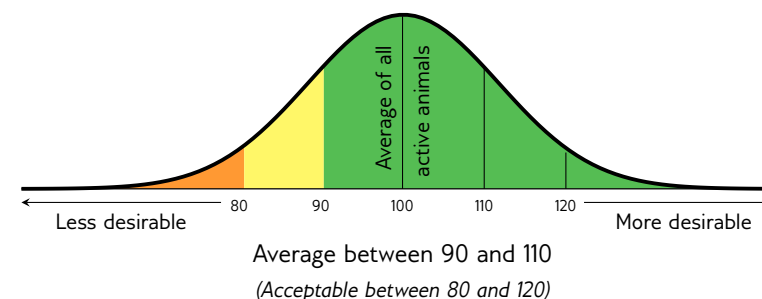
Selection for higher meat yield on carcass



### 6 L♀ GIX Growth Value

Selection of efficient growers on veld & in the feedlot

## INTERPRETATION OF BREEDING VALUE INDICES



## EXPLANATION OF BREEDING VALUES AND SELECTION VALUES

| Traits           |                  |                         |                                                    | Description/Measurement                                                                       | Goal                      | General Guidelines |     |        |      |        |        |
|------------------|------------------|-------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------|--------------------|-----|--------|------|--------|--------|
|                  |                  |                         |                                                    |                                                                                               |                           | <80                | <90 | 90-110 | >110 | >120   |        |
| Selection Values | 5                | Cow Value               | CV                                                 | Combination of Calving Ease, Calf Growth, Milk, Maintenance and Fertility Values (Rand-Value) | Profitable Cow            | Loss               |     |        |      |        | Profit |
|                  | 1                | Calving Ease Value      | CEV                                                | Risk for calving problems (calf too heavy) vs calf too small                                  | Average birth weight      | High               |     |        |      |        | Low    |
|                  |                  | Calf Growth Value       | CGrV                                               | Calf's genetic ability for pre-weaning growth                                                 | Heavy weaner calf         | Light              |     |        |      |        | Heavy  |
|                  |                  | Milk Value              | MlkV                                               | Cow's genetic mothering and milking ability                                                   | Enough milk for the calf  | Less               |     |        |      |        | More   |
|                  | 4                | Maintenance Value       | MntV                                               | Maintenance requirements of cow (cow weight and milk)                                         | Low cow maintenance       | High               |     |        |      | *      | Low    |
|                  | 3                | Fertility Value         | FertV                                              | Fertility and retention of cows and heifers                                                   | Fertile cows              | Low                |     |        |      |        | High   |
|                  | 2                | Weaner Calf Value       | WnCV                                               | Combination of calf's weight and cow's milk                                                   | Heavy weaner calves       | Light              |     |        |      |        | Heavy  |
|                  | 6                | Growth Value            | GV                                                 | Efficient growth on veld and in feedlot (Rand-value)                                          | Profitable growth         | Loss               |     |        |      |        | Profit |
|                  | 7                | Carcass Value           | VarcV                                              | Meat on carcass (Weight and RTU EBVs)                                                         | More meat on the carcass  | Less               |     |        |      |        | More   |
|                  | Production Value | PV                      | Combination of Cow- and Growth values (Rand-value) | Profitable animals                                                                            | Loss                      |                    |     |        |      | Profit |        |
| Cow & Heifer     | 8                | Birth Weight Direct     | BD                                                 | Birth weight (Calf's genetic ability)                                                         | Average birth weight      | Heavy              |     |        |      |        | Light  |
|                  |                  | Birth Weight Maternal   | BM                                                 | Birth weight (Cow's genetic ability)                                                          | Easy calving              | Heavy              |     |        |      |        | Light  |
|                  | 9                | Weaning Weight Direct   | WD                                                 | Weaning weight (Calf's genetic ability)                                                       | Heavy weaner calves       | Light              |     |        |      |        | Heavy  |
|                  | 10               | Weaning Weight Maternal | WM                                                 | Weaning weight (Cow's genetic ability)                                                        | Good mothers              | Poor               |     |        |      |        | Good   |
|                  |                  | Mature Cow Weight       | MW                                                 | Cow weight at weaning of first three calves                                                   | Average mature cow weight | Light              |     |        | *    | *      | Heavy  |
|                  |                  | Cow-Calf Birth          | CCB                                                | EBV Birth Direct / EBV Mature Cow weight                                                      | Average                   | Low                |     |        |      |        | High   |
|                  | Cow-Calf Wean    | CCW                     | EBV Wean Direct / EBV Mature Cow weight            | High calf-cow ratio                                                                           | Low                       |                    |     |        |      | High   |        |
| Fertility        | 12               | Heifer Fertility        | HF                                                 | Age at first calving                                                                          | Fertile heifers           | Less               |     |        |      |        | More   |
|                  | 13               | Cow Fertility           | CFE                                                | First 3 inter-calving periods (ICPs)                                                          | Fertile cows              | Less               |     |        |      |        | More   |
|                  | 11               | Scrotal Circumference   | SC                                                 | Scrotal circumference as measured during the growth test                                      | Fertile bulls             | Less               |     |        |      |        | More   |
|                  | 14               | Longevity               | LG                                                 | Retention of progeny                                                                          | Acceptable progeny        | Poor               |     |        |      |        | Good   |
| Growth & Frame   | 15               | Post-Wean Weight        | PWn                                                | 12- and 18 month weights                                                                      | Good post-wean growth     | Low                |     |        |      | *      | High   |
|                  | 16               | Average Daily Gain      | ADG                                                | Average daily gain                                                                            | Good growth               | Poor               |     |        |      |        | Good   |
|                  | 17               | Feed Conversion Ratio   | FCR                                                | 100g feed intake / g weight gain                                                              | Feed efficiency           | Poor               |     |        |      |        | Good   |
|                  |                  | Final Test Weight       | FW                                                 | Final weight in the growth test                                                               | Heavy carcass             | Light              |     |        |      | *      | Heavy  |
|                  | 19               | Height                  | H                                                  | Shoulder / Hip height in growth test                                                          | Average height            | Short              |     |        |      |        | Tall   |
|                  | 20               | Length                  | L                                                  | Length in growth test                                                                         | Longer for more muscle    | Short              |     |        |      |        | Long   |
|                  | 24               | Length-Height Ratio     | LH                                                 | EBV Length / EBV Height                                                                       | Longer rather than tall   | <1                 |     |        |      |        | >1     |
| Carcass          | 21               | Eye Muscle Area         | EMA                                                | RTU measured eye muscle area                                                                  | Bigger steaks             | Small              |     |        |      |        | Big    |
|                  | 22               | Fat Thickness           | Fat                                                | RTU measured P8 backfat thickness                                                             | Carcass quality           | Thin               |     |        |      |        | Thick  |
|                  | 23               | Marbling                | Mar                                                | RTU measured % of intra-muscular fat                                                          | Juicy meat                | Low                |     |        |      |        | High   |
|                  |                  | Dressing Percentage     | D%                                                 | Carcass weight / Live weight                                                                  | High dressing percentage  | Low                |     |        |      |        | High   |

\* Determined by own selection goal

### GENETIC VALUES - BUILDING BLOCKS

| Calf and Mother |           |           | Fertility    |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|--------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scrot. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 99              | 99        | 90        | 97           | 75           | 92        | 85      | 100              | 94  | 93  | 92            | 123    | 110    | 104     | 100 | 79  |
| 8               | 9         | 10        | 11           | 12           | 13        | 14      | 15               | 16  | 17  | 18            | 19     | 20     | 21      | 22  | 23  |

The Logix Selection Values are compiled of specific genetic building blocks, as indicated in the selection value descriptions on the previous page. These genetic building blocks are indicated in the catalogue by their Breeding Value Indices.

### PHENOTYPIC VALUES

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH   |
|------------|------------|------------|-----------|-----------|---------|------|
| 109        | 104        | 105        | 122       | 117       | 327     | 1.22 |
|            |            |            | 16        | 17        | 11      | 24   |

- Wean, 365D, 540D, ADG and FCR Indices - phenotypic index obtained within the animal's contemporary group
- Scrotum - adjusted scrotal circumference, in mm, as measured during the growth test
- Length-Height Ratio (LH) - the animal's length / height ratio as measured during the growth test

## BULLS

**LOT 1**
**PC BONSMARAS**

**PCD 180176**  
2018-11-17  
SP

Parentage Sire Dam

DNA ☒

Genomic ☐



**AG 090255**

**PCD 120213**  
AGE/CALV. 9/6  
AVG. Wt/CALV. 107/5  
ICP 441

**WBB 070035**

**AG 070252**  
AGE/CALV. 5/3  
AVG. Wt/CALV. 95/2  
ICP 436

**HJL 070165**

**PCD 070146**  
AGE/CALV. 8/6  
AVG. Wt/CALV. 102/5  
ICP 384

**AG 020135**  
**LMR 030012**  
AGE/CALV. 16/12  
AVG. Wt/CALV. 100/11

**AG 030256**

**AG 980264**  
AGE/CALV. 11/9  
AVG. Wt/CALV. 96/9

**JRB 000140**

**HJL 030008**  
AGE/CALV. 13/9  
AVG. Wt/CALV. 110/8

**Calving Ease Value**  
**95**

**Weaner Calf Value**  
**105**

**Fertility Value**  
**98**

**Maintenance Value**  
**106**

**Cow Value**  
**102**

**Growth Value**  
**108**

**Carcass Value**  
**111**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 97              | 108       | 93        | 109        | 88           | 103       | 113     | 101              | 109 | 100 | 93            | 105    | 108    | 114     | 105 | 104 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
|------------|------------|------------|-----------|-----------|---------|----|
| 105        | 100        | 98         | -         | -         | -       | -  |

REMARKS:

EBV Analysis: 2022-03-18

**Myostatin**

Q204X Not Tested

NT821 Not Tested

F94L Not Tested

**LOT 2**
**BOTSWANA BONSMARA STUD**

**GHS 180162**  
2018-12-17  
B

Parentage Sire Dam

DNA ☒ ☒

Genomic ☐



**BBM 090009**

**GHS 100150**  
AGE/CALV. 11/7  
AVG. Wt/CALV. 104/6  
ICP 464

**JRB 000116**

**JRB 030026**  
AGE/CALV. 18/14  
AVG. Wt/CALV. 109/13  
ICP 376

**MULTIPLE SIREs**

**GHS 060070**  
AGE/CALV. 5/2  
AVG. Wt/CALV. 101/2  
ICP 564

**JRB 950035**  
**JRB N 0010**  
AGE/CALV. 15/13  
AVG. Wt/CALV. 102/11

**JRB 950073**

**JRB 980287**  
AGE/CALV. 14/11  
AVG. Wt/CALV. 99/7

**Calving Ease Value**  
**98**

**Weaner Calf Value**  
**105**

**Fertility Value**  
**106**

**Maintenance Value**  
**115**

**Cow Value**  
**110**

**Growth Value**  
**91**

**Carcass Value**  
**94**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 97              | 97        | 110       | 108        | 105          | 104       | 103     | 92               | 92  | 89  | 87            | 103    | 103    | 92      | 102 | 105 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
|------------|------------|------------|-----------|-----------|---------|----|
| 103        | 115        | 111        | -         | -         | -       | -  |

REMARKS:

EBV Analysis: 2022-03-18

**Myostatin**

Q204X Not Tested

NT821 Not Tested

F94L Not Tested

**LOT 3**
**MEDUPI BONSMARAS**

  
**MED 180078**  
2018-11-24  
B

Parentage Sire Dam

DNA ☒

Genomic ☐



**RGR 110039**

**MED 150082**  
AGE/CALV. 6/4  
AVG. Wt/CALV. 103/3  
ICP 364

**RGR 070138**

**RGR 040273**  
AGE/CALV. 11/7  
AVG. Wt/CALV. 93/5  
ICP 464

**JMP 020231**  
**RGR 960068**  
AGE/CALV. 16/10  
AVG. Wt/CALV. 110/10

**RGR 000106**

**RGR 960015**  
AGE/CALV. 14/11  
AVG. Wt/CALV. 103/11

**Calving Ease Value**  
**113**

**Weaner Calf Value**  
**94**

**Fertility Value**  
**101**

**Maintenance Value**  
**124**

**Cow Value**  
**102**

**Growth Value**  
**89**

**Carcass Value**  
**88**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 112             | 87        | 94        | 92         | 103          | 101       | 94      | 89               | 88  | 87  | 79            | 97     | 94     | 90      | 93  | 103 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
|------------|------------|------------|-----------|-----------|---------|----|
| 104        | 98         | 94         | -         | -         | 327     | -  |

REMARKS:

EBV Analysis: 2022-03-18

**Myostatin**

Q204X Not Tested

NT821 Not Tested

F94L Not Tested

## BULLS

**LOT 4**  
**PC BONSMARAS**  
  

**PCD 180209**  
2018-12-11  
SP

Parentage Sire Dam

DNA ☒

Genomic ☒



**PCD 150168**  
  
  
**PCD 120038**  
AGE/CALV. 9/6  
AVG. Wt/CALV. 116/5  
ICP 445

**ADV 040182**  
  
  
**PCD 110208**  
AGE/CALV. 10/7  
AVG. Wt/CALV. 108/6  
ICP 432

**TBR 030582**  
  
  
**PCD 040003**  
AGE/CALV. 8/2  
AVG. Wt/CALV. 108/2  
ICP 531

**AG 980012**  
**AG 980111**  
AGE/CALV. 10/6  
AVG. Wt/CALV. 101/6  
**TBR 060599**  
**PCD 060068**  
AGE/CALV. 9/4  
AVG. Wt/CALV. 84/3  
**TBR 980546**  
**TBR 990073**  
AGE/CALV. 12/9  
AVG. Wt/CALV. 97/9

**Calving Ease Value**  
**94**

**Weaner Calf Value**  
**109**

**Fertility Value**  
**97**

**Maintenance Value**  
**88**

**Cow Value**  
**103**

**Growth Value**  
**109**

**Carcass Value**  
**115**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 94              | 110       | 109       | 101        | 95           | 84        | 126     | 110              | 114 | 111 | 111           | 106    | 109    | 115     | 97  | 116 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
|------------|------------|------------|-----------|-----------|---------|----|
| 116        | 107        | 110        | -         | -         | -       | -  |

REMARKS:

EBV Analysis: 2022-03-18

Myostatin

Q204X Not Tested  
NT821 Not Tested  
F94L Not Tested

**LOT 5**  
**BOTSWANA BONSMARA STUD**  
  

**GHS 190002**  
2019-01-01  
B

Parentage Sire Dam

DNA ☒

Genomic ☒



**WWP 140129**  
  
  
**GHS 160003**  
AGE/CALV. 4/1  
AVG. Wt/CALV. 102/1  
ICP -

**BBM 100026**  
  
  
**JMP 110197**  
AGE/CALV. 6/4  
AVG. Wt/CALV. 102/4  
ICP 426

**BBM 070043**  
  
  
**GHS 090236**  
AGE/CALV. 12/6  
AVG. Wt/CALV. 114/4  
ICP 440

**JRB 010075**  
**JRB 030026**  
AGE/CALV. 18/14  
AVG. Wt/CALV. 109/13  
**JMP 070232**  
**JMP 050115 P**  
AGE/CALV. 13/10  
AVG. Wt/CALV. 106/10  
**JRB 000116**  
**BBM 030082**  
AGE/CALV. 11/8  
AVG. Wt/CALV. 99/7  
**JRB 050025**

**Calving Ease Value**  
**94**

**Weaner Calf Value**  
**93**

**Fertility Value**  
**101**

**Maintenance Value**  
**118**

**Cow Value**  
**98**

**Growth Value**  
**94**

**Carcass Value**  
**97**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 93              | 86        | 109       | 100        | 102          | 96        | 107     | 90               | 95  | 90  | 84            | 91     | 95     | 99      | 134 | 112 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
|------------|------------|------------|-----------|-----------|---------|----|
| 102        | 90         | 100        | -         | -         | -       | -  |

REMARKS:

EBV Analysis: 2022-03-18

Myostatin

Q204X Not Tested  
NT821 Not Tested  
F94L Not Tested

**LOT 6**  
**MEDUPI BONSMARAS**  
  

  
**MED 190009**  
2019-04-12  
B

Parentage Sire Dam

DNA ☒

Genomic ☒



**SYF 150109**  
  
  
**MED 110032**  
AGE/CALV. 10/4  
AVG. Wt/CALV. 105/3  
ICP 489

**ADV 110336**  
  
  
**SYF 080122**  
AGE/CALV. 10/8  
AVG. Wt/CALV. 101/8  
ICP 363

**SYF 090144**  
**ADV 070052**  
AGE/CALV. 7/5  
AVG. Wt/CALV. 106/4  
**ADV 030016**  
**SYF 020049**  
AGE/CALV. 16/12  
AVG. Wt/CALV. 99/11

**Calving Ease Value**  
**97**

**Weaner Calf Value**  
**106**

**Fertility Value**  
**106**

**Maintenance Value**  
**98**

**Cow Value**  
**107**

**Growth Value**  
**101**

**Carcass Value**  
**112**

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 98              | 109       | 95        | 111        | 98           | 112       | 103     | 107              | 101 | 90  | 100           | 108    | 115    | 114     | 96  | 109 |

| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
|------------|------------|------------|-----------|-----------|---------|----|
| 103        | 103        | 105        | -         | -         | -       | -  |

REMARKS:

EBV Analysis: 2022-03-18

Myostatin

Q204X 1  
NT821 0  
F94L 0

ALPHA BONSMARA GROEP

23 April 2022

Page 6

## BULLS

**LOT 7**  
**PC BONSMARAS**  
  

**PCD 170142**  
2017-11-08  
SP

Parentage Sire Dam

DNA ☒

Genomic ☒



**AG 050251**  
  
**KDT 040015**  
AGE/CALV. 9/7  
AVG. Wt/CALV. 97/7  
ICP 360

**KDT 060048**

**PCD 120276**  
AGE/CALV. 6/3  
AVG. Wt/CALV. 96/2  
ICP 567

**PCD 060130**  
AGE/CALV. 8/2  
AVG. Wt/CALV. 121/2  
ICP 534

**AG 990104**  
  
**AG 990322**  
AGE/CALV. 14/12  
AVG. Wt/CALV. 102/12

**CJJ 970004**  
  
**KDT 980010**  
AGE/CALV. 11/8  
AVG. Wt/CALV. 99/8

**AEK 030042**  
  
**KDT 000202**  
AGE/CALV. 11/8  
AVG. Wt/CALV. 103/7

|                                  |                                 |                               |                                 |                         |                            |                            |
|----------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------|----------------------------|----------------------------|
| Calving Ease Value<br><b>129</b> | Weaner Calf Value<br><b>106</b> | Fertility Value<br><b>102</b> | Maintenance Value<br><b>117</b> | Cow Value<br><b>112</b> | Growth Value<br><b>102</b> | Carcass Value<br><b>99</b> |
|----------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------|----------------------------|----------------------------|

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 125             | 96        | 86        | 92         | 98           | 105       | 104     | 101              | 100 | 91  | 86            | 108    | 108    | 103     | 84  | 94  |

|                          |                          |                          |                |                |              |         |
|--------------------------|--------------------------|--------------------------|----------------|----------------|--------------|---------|
| Wean Index<br><b>100</b> | 365D Index<br><b>107</b> | 540D Index<br><b>101</b> | ADG Index<br>- | FCR Index<br>- | Scrotum<br>- | LH<br>- |
|--------------------------|--------------------------|--------------------------|----------------|----------------|--------------|---------|

REMARKS:

EBV Analysis: 2022-03-18

| Myostatin |            |
|-----------|------------|
| Q204X     | Not Tested |
| NT821     | Not Tested |
| F94L      | Not Tested |

**LOT 8**  
**BOTSWANA BONSMARA STUD**  
  

**GHS 170059**  
2017-09-24  
SP

Parentage Sire Dam

DNA ☒

Genomic ☒



**JRB 000116**  
  
**BBM 030082**  
AGE/CALV. 11/8  
AVG. Wt/CALV. 99/7  
ICP 410

**JRB 040024**

**GHS 090051**  
AGE/CALV. 12/8  
AVG. Wt/CALV. 98/6  
ICP 425

**GHS 010003**  
AGE/CALV. 12/2  
AVG. Wt/CALV. 125/1  
ICP 1007

**JRB 950035**  
  
**JRB N 0010**  
AGE/CALV. 15/13  
AVG. Wt/CALV. 102/11

**JRB 980246**  
  
**JRB 000037**  
AGE/CALV. 12/9  
AVG. Wt/CALV. 100/7

**JRB 000170**  
  
**JRB 970124**  
AGE/CALV. 8/6  
AVG. Wt/CALV. 88/5

|                                 |                                 |                               |                                 |                         |                           |                            |
|---------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------|---------------------------|----------------------------|
| Calving Ease Value<br><b>99</b> | Weaner Calf Value<br><b>116</b> | Fertility Value<br><b>110</b> | Maintenance Value<br><b>112</b> | Cow Value<br><b>117</b> | Growth Value<br><b>92</b> | Carcass Value<br><b>95</b> |
|---------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------------|---------------------------|----------------------------|

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 94              | 116       | 85        | 98         | 113          | 102       | 103     | 112              | 92  | 90  | 90            | 104    | 103    | 100     | 98  | 96  |

|                         |                         |                          |                |                |              |         |
|-------------------------|-------------------------|--------------------------|----------------|----------------|--------------|---------|
| Wean Index<br><b>97</b> | 365D Index<br><b>97</b> | 540D Index<br><b>112</b> | ADG Index<br>- | FCR Index<br>- | Scrotum<br>- | LH<br>- |
|-------------------------|-------------------------|--------------------------|----------------|----------------|--------------|---------|

REMARKS:

EBV Analysis: 2022-03-18

| Myostatin |            |
|-----------|------------|
| Q204X     | Not Tested |
| NT821     | Not Tested |
| F94L      | Not Tested |

**LOT 9**  
**MEDUPI BONSMARAS**  
  


**MED 190012**  
2019-05-05  
B

Parentage Sire Dam

DNA ☐

Genomic ☐



**ADV 110336**  
  
**SYF 080122**  
AGE/CALV. 10/8  
AVG. Wt/CALV. 101/8  
ICP 363

**SYF 150109**

**MED 110009**  
AGE/CALV. 10/4  
AVG. Wt/CALV. 94/3  
ICP 497

**SYF 090144**  
  
**ADV 070052**  
AGE/CALV. 7/5  
AVG. Wt/CALV. 106/4

**ADV 030016**  
  
**SYF 020049**  
AGE/CALV. 16/12  
AVG. Wt/CALV. 99/11

|                                  |                                |                               |                                 |                        |                           |                             |
|----------------------------------|--------------------------------|-------------------------------|---------------------------------|------------------------|---------------------------|-----------------------------|
| Calving Ease Value<br><b>103</b> | Weaner Calf Value<br><b>91</b> | Fertility Value<br><b>107</b> | Maintenance Value<br><b>103</b> | Cow Value<br><b>98</b> | Growth Value<br><b>95</b> | Carcass Value<br><b>104</b> |
|----------------------------------|--------------------------------|-------------------------------|---------------------------------|------------------------|---------------------------|-----------------------------|

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 105             | 98        | 84        | 107        | 99           | 110       | 106     | 96               | 94  | 85  | 96            | 101    | 107    | 108     | 95  | 106 |

|                         |                         |                         |                |                |              |         |
|-------------------------|-------------------------|-------------------------|----------------|----------------|--------------|---------|
| Wean Index<br><b>95</b> | 365D Index<br><b>92</b> | 540D Index<br><b>91</b> | ADG Index<br>- | FCR Index<br>- | Scrotum<br>- | LH<br>- |
|-------------------------|-------------------------|-------------------------|----------------|----------------|--------------|---------|

REMARKS:

EBV Analysis: 2022-03-18

| Myostatin |   |
|-----------|---|
| Q204X     | 1 |
| NT821     | 0 |
| F94L      | 0 |

## BULLS

**LOT 10**  
**PC BONSMARAS**  
  

**PCD 180152**  
2018-11-08  
SP  
  

Parentage Sire Dam  
DNA ☒  
Genomic ☐


  
**PCD 130163**  
AGE/CALV. 8/5  
AVG. Wt/CALV. 103/4  
ICP 463

**AG 030026**  
  
**EI 020463**  
AGE/CALV. 14/12  
AVG. Wt/CALV. 103/11  
ICP 390  
  
**KDT 060048**  
  
**PCD 060121**  
AGE/CALV. 8/5  
AVG. Wt/CALV. 97/4  
ICP 371

**AG 980338**  
  
**AG 930049**  
AGE/CALV. 19/13  
AVG. Wt/CALV. 100/11  
  
**EI 000244**  
  
**EI 000085**  
AGE/CALV. 17/13  
AVG. Wt/CALV. 97/9  
  
**AEK 030042**  
  
**KDT 000202**  
AGE/CALV. 11/8  
AVG. Wt/CALV. 103/7

|                                        |                                        |                                      |                                        |                                |                                   |                                    |
|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| <b>Calving Ease Value</b><br><b>98</b> | <b>Weaner Calf Value</b><br><b>114</b> | <b>Fertility Value</b><br><b>112</b> | <b>Maintenance Value</b><br><b>102</b> | <b>Cow Value</b><br><b>118</b> | <b>Growth Value</b><br><b>117</b> | <b>Carcass Value</b><br><b>119</b> |
|----------------------------------------|----------------------------------------|--------------------------------------|----------------------------------------|--------------------------------|-----------------------------------|------------------------------------|

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 98              | 111       | 104       | 108        | 112          | 94        | 122     | 111              | 119 | 110 | 96            | 107    | 113    | 117     | 93  | 104 |

|            |            |            |           |           |         |    |
|------------|------------|------------|-----------|-----------|---------|----|
| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
| 104        | 106        | 103        | -         | -         | -       | -  |

REMARKS:

EBV Analysis: 2022-03-18  

| Myostatin |            |
|-----------|------------|
| Q204X     | Not Tested |
| NT821     | Not Tested |
| F94L      | Not Tested |

**LOT 11**  
**MEDUPI BONSMARAS**  
  


  
**MED 180088**  
2018-12-09  
B  
  

Parentage Sire Dam  
DNA ☒  
Genomic ☐


  
**MED 140010**  
AGE/CALV. 7/4  
AVG. Wt/CALV. 100/3  
ICP 484

**ADV 110336**  
  
**SYF 080122**  
AGE/CALV. 10/8  
AVG. Wt/CALV. 101/8  
ICP 363

**SYF 090144**  
  
**ADV 070052**  
AGE/CALV. 7/5  
AVG. Wt/CALV. 106/4  
  
**ADV 030016**  
  
**SYF 020049**  
AGE/CALV. 16/12  
AVG. Wt/CALV. 99/11

|                                         |                                       |                                      |                                       |                                |                                  |                                    |
|-----------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|----------------------------------|------------------------------------|
| <b>Calving Ease Value</b><br><b>120</b> | <b>Weaner Calf Value</b><br><b>91</b> | <b>Fertility Value</b><br><b>109</b> | <b>Maintenance Value</b><br><b>98</b> | <b>Cow Value</b><br><b>102</b> | <b>Growth Value</b><br><b>95</b> | <b>Carcass Value</b><br><b>105</b> |
|-----------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|--------------------------------|----------------------------------|------------------------------------|

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 119             | 95        | 83        | 106        | 100          | 110       | 110     | 92               | 95  | 87  | 102           | 103    | 109    | 108     | 96  | 107 |

|            |            |            |           |           |         |    |
|------------|------------|------------|-----------|-----------|---------|----|
| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
| 101        | 95         | 94         | -         | -         | 336     | -  |

REMARKS:

EBV Analysis: 2022-03-18  

| Myostatin |   |
|-----------|---|
| Q204X     | 1 |
| NT821     | 0 |
| F94L      | 0 |

**LOT 12**  
**MEDUPI BONSMARAS**  
  


  
**MED 180082**  
2018-11-30  
B  
  

Parentage Sire Dam  
DNA ☒  
Genomic ☐


  
**MED 150014**  
AGE/CALV. 6/4  
AVG. Wt/CALV. 103/2  
ICP 481

**ADV 110336**  
  
**SYF 080122**  
AGE/CALV. 10/8  
AVG. Wt/CALV. 101/8  
ICP 363

**SYF 090144**  
  
**ADV 070052**  
AGE/CALV. 7/5  
AVG. Wt/CALV. 106/4  
  
**ADV 030016**  
  
**SYF 020049**  
AGE/CALV. 16/12  
AVG. Wt/CALV. 99/11

|                                         |                                       |                                      |                                        |                                |                                   |                                    |
|-----------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------|--------------------------------|-----------------------------------|------------------------------------|
| <b>Calving Ease Value</b><br><b>108</b> | <b>Weaner Calf Value</b><br><b>95</b> | <b>Fertility Value</b><br><b>107</b> | <b>Maintenance Value</b><br><b>101</b> | <b>Cow Value</b><br><b>102</b> | <b>Growth Value</b><br><b>100</b> | <b>Carcass Value</b><br><b>108</b> |
|-----------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------|--------------------------------|-----------------------------------|------------------------------------|

| Calf and Mother |           |           | Fertility  |              |           |         | Post-Wean Growth |     |     | Frame         |        |        | Carcass |     |     |
|-----------------|-----------|-----------|------------|--------------|-----------|---------|------------------|-----|-----|---------------|--------|--------|---------|-----|-----|
| Birth Dir.      | Wean Dir. | Wean Mat. | Scr. Circ. | Heifer Fert. | Cow Fert. | Longev. | Post Wean        | ADG | FCR | Mature Weight | Height | Length | EMA     | Fat | Mar |
| 110             | 99        | 90        | 111        | 99           | 110       | 106     | 101              | 99  | 88  | 98            | 107    | 112    | 111     | 95  | 107 |

|            |            |            |           |           |         |    |
|------------|------------|------------|-----------|-----------|---------|----|
| Wean Index | 365D Index | 540D Index | ADG Index | FCR Index | Scrotum | LH |
| 101        | 107        | 99         | -         | -         | 341     | -  |

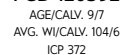
REMARKS:

EBV Analysis: 2022-03-18  

| Myostatin |            |
|-----------|------------|
| Q204X     | Not Tested |
| NT821     | Not Tested |
| F94L      | Not Tested |

## PC BONSMARAS

## Genomic



AGE/CALV. 9/5  
AVG. WI/CALV. 102/5  
ICP 383

Carcass  
Value  
**97**

## Carcass

|    |   |
|----|---|
| MA | F |
| 97 | 9 |

Page 10 of 10

—

REMARKS:

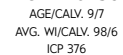
| Sire ID | MULTIPLE SIBS |
|---------|---------------|
| 1       | 1             |
| 2       | 1             |
| 3       | 1             |
| 4       | 1             |
| 5       | 1             |
| 6       | 1             |
| 7       | 1             |
| 8       | 1             |
| 9       | 1             |
| 10      | 1             |
| 11      | 1             |
| 12      | 1             |
| 13      | 1             |
| 14      | 1             |
| 15      | 1             |
| 16      | 1             |
| 17      | 1             |
| 18      | 1             |
| 19      | 1             |
| 20      | 1             |
| 21      | 1             |
| 22      | 1             |
| 23      | 1             |
| 24      | 1             |
| 25      | 1             |
| 26      | 1             |
| 27      | 1             |
| 28      | 1             |
| 29      | 1             |
| 30      | 1             |
| 31      | 1             |
| 32      | 1             |
| 33      | 1             |
| 34      | 1             |
| 35      | 1             |
| 36      | 1             |
| 37      | 1             |
| 38      | 1             |
| 39      | 1             |
| 40      | 1             |
| 41      | 1             |
| 42      | 1             |
| 43      | 1             |
| 44      | 1             |
| 45      | 1             |
| 46      | 1             |
| 47      | 1             |
| 48      | 1             |
| 49      | 1             |
| 50      | 1             |
| 51      | 1             |
| 52      | 1             |
| 53      | 1             |
| 54      | 1             |
| 55      | 1             |
| 56      | 1             |
| 57      | 1             |
| 58      | 1             |
| 59      | 1             |
| 60      | 1             |
| 61      | 1             |
| 62      | 1             |
| 63      | 1             |
| 64      | 1             |
| 65      | 1             |
| 66      | 1             |
| 67      | 1             |
| 68      | 1             |
| 69      | 1             |
| 70      | 1             |
| 71      | 1             |
| 72      | 1             |
| 73      | 1             |
| 74      | 1             |
| 75      | 1             |
| 76      | 1             |
| 77      | 1             |
| 78      | 1             |
| 79      | 1             |
| 80      | 1             |
| 81      | 1             |
| 82      | 1             |
| 83      | 1             |
| 84      | 1             |
| 85      | 1             |
| 86      | 1             |
| 87      | 1             |
| 88      | 1             |
| 89      | 1             |
| 90      | 1             |
| 91      | 1             |
| 92      | 1             |
| 93      | 1             |
| 94      | 1             |
| 95      | 1             |
| 96      | 1             |
| 97      | 1             |
| 98      | 1             |
| 99      | 1             |
| 100     | 1             |

## Myostatin

|      |            |
|------|------------|
| F94L | Not Tested |
|------|------------|

## PC BONSMARAS

## Genomic



AGE/CALV. 7/4  
AVG. WI/CALV. 96/4  
ICP 442

Carcass  
Value  
**87**

Carcass

|    |    |
|----|----|
| MA | F  |
| 31 | 10 |

LH

REMARKS:

|            |               |
|------------|---------------|
| Birth Date | 2022-01-31    |
| Sire ID    | MULTIPLE SIRE |

## Mvostatin

|      |            |
|------|------------|
| F94L | Not Tested |
|------|------------|

| Dier Info                     |            |     |     | Actual Values |              |           |           |                     |                 | Expected Breeding Values |                |               |               |                |                     |           |             |                 |              | Indices     |      |     | Dam        |                 |            |             |
|-------------------------------|------------|-----|-----|---------------|--------------|-----------|-----------|---------------------|-----------------|--------------------------|----------------|---------------|---------------|----------------|---------------------|-----------|-------------|-----------------|--------------|-------------|------|-----|------------|-----------------|------------|-------------|
| LOT                           | Animal ID  | Sex | SEC | Birth Wt (kg) | 205d Wt (kg) | CCB Ratio | CCW Ratio | Length Height Ratio | Scr. Circ. (mm) | Birth Dir (kg)           | Birth Mat (kg) | Wean Dir (kg) | Wean Mat (kg) | Post Wean (kg) | Mature Weight. (kg) | ADG (g/d) | FCR (kg:kg) | Scr. Circ. (mm) | Height. (mm) | Length (mm) | Wean | ADG | Scr. Circ. | Avg. Wean Index | Nr. Calves | Repr. Index |
| Breed Average Auction Average |            |     |     | 35            | 228          | 7.21      | 47.2      | -                   | 335             | 1.04 0.83                | -0.20 -0.27    | 13.9 14.5     | 3.9 2.5       | 22 25          | 10 2                | 101 91    | -47 -30     | 10.3 14.1       | 4            | 23          | 103  | -   | 105        | 102             | 5.0        | 95          |
| 1                             | PCD 180176 | M   | SP  | 37            | 276          | 6.8       | 48.8      | -                   | -               | 1.36                     | 0.07           | 17.3          | 2.0           | 26             | 2                   | 143       | -46         | 17.4            | 5            | 26          | 105  | -   | 109        | 107             | 6          | 94          |
| 2                             | GHS 180162 | M   | B   | 35            | 198          | 8.75      | 53.8      | -                   | -               | 1.37                     | -0.33          | 12.4          | 6.7           | 19             | -5                  | 62        | -25         | 17.1            | 4            | 19          | 103  | -   | 108        | 104             | 7          | 93          |
| 3                             | MED 180078 | M   | B   | 21            | 208          | 5.61      | 46.1      | -                   | 327             | -0.16                    | -0.57          | 7.9           | 2.2           | 17             | -14                 | 44        | -19         | 3.9             | -1           | 8           | 104  | -   | 92         | 103             | 4          | 116         |
| 4                             | PCD 180209 | M   | SP  | 38            | 301          | 7.1       | 50.5      | -                   | -               | 1.62                     | -0.09          | 18.5          | 6.3           | 33             | 22                  | 169       | -70         | 11.1            | 6            | 27          | 116  | -   | 101        | 116             | 6          | 95          |
| 5                             | GHS 190002 | M   | B   | 32            | 193          | -         | 51.1      | -                   | -               | 1.79                     | -0.43          | 7.8           | 6.6           | 18             | -8                  | 79        | -26         | 10.2            | -6           | 9           | 102  | -   | 100        | 102             | 1          | 91          |
| 6                             | MED 190009 | M   | B   | 39            | 207          | 6.9       | 47.9      | -                   | -               | 1.24                     | -0.08          | 17.8          | 2.6           | 31             | 10                  | 106       | -27         | 19              | 8            | 36          | 103  | -   | 111        | 105             | 4          | 88          |
| 7                             | PCD 170142 | M   | SP  | 34            | 247          | 6.54      | 54.1      | -                   | -               | -1.61                    | -0.97          | 12.2          | -             | 27             | -5                  | 99        | -29         | 4.1             | 8            | 27          | 100  | -   | 92         | 96              | 3          | 82          |
| 8                             | GHS 170059 | M   | SP  | 38            | 223          | -         | 38.3      | -                   | -               | 1.62                     | -0.88          | 21.2          | -0.3          | 37             | -1                  | 63        | -27         | 8.9             | 4            | 19          | 97   | -   | 98         | 98              | 8          | 100         |
| 9                             | MED 190012 | M   | B   | 35            | 190          | 6.07      | 41.7      | -                   | -               | 0.49                     | 0.14           | 13.1          | -0.5          | 21             | 6                   | 74        | -16         | 15.8            | 2            | 25          | 95   | -   | 107        | 94              | 4          | 86          |
| 10                            | PCD 180152 | M   | SP  | 38            | 273          | 7.24      | 57.3      | -                   | -               | 1.21                     | -0.14          | 18.8          | 5.1           | 34             | 6                   | 190       | -68         | 16.6            | 7            | 33          | 104  | -   | 108        | 103             | 5          | 92          |
| 11                            | MED 180088 | M   | B   | 28            | 224          | 7.09      | 42.6      | -                   | 336             | -0.92                    | -0.42          | 11.5          | -0.8          | 19             | 12                  | 78        | -19         | 15.4            | 4            | 27          | 101  | -   | 106        | 100             | 4          | 89          |
| 12                            | MED 180082 | M   | B   | 30            | 226          | 8.65      | 50.8      | -                   | 341             | 0.01                     | 0.10           | 13.2          | 1.1           | 26             | 8                   | 97        | -22         | 19.4            | 8            | 32          | 101  | -   | 111        | 103             | 4          | 90          |
| 13                            | PCD 180211 | F   | SP  | 38            | 251          | 7.32      | 41.7      | -                   | -               | 0.56                     | -0.63          | 13.8          | 3.7           | 22             | -3                  | 54        | -20         | 10.2            | 1            | 19          | 107  | -   | 100        | 104             | 7          | 109         |
| 14                            | PCD 190104 | F   | SP  | 42            | 243          | 8.4       | 35.9      | -                   | -               | 3.05                     | 0.40           | 17.1          | -2.6          | 23             | -3                  | 16        | -10         | 28.1            | 5            | 13          | 105  | -   | 122        | 98              | 7          | 108         |

## EXPLANATION OF CATALOGUE ABBREVIATIONS

## VERDUIDELIKING VAN KATALOGUS AFKORTINGS

|                                                         |                 |                                                             |
|---------------------------------------------------------|-----------------|-------------------------------------------------------------|
| Lot Number                                              | LOT             | Lot Nommer                                                  |
| Estimated breeding value                                | EBV             | Beraamde teelwaarde                                         |
| Parentage verification                                  | Parentage       | Ouerskap verifikasie                                        |
| Age in years / Number of calvings                       | AGE. / CALV.    | Ouderdom in jaar / Aantal kalwings                          |
| Average Wean index / Number of calves weaned            | Ave WI / CALV.  | Gemiddelde speen indeks / Aantal kalwers gespeen            |
| Animal identification number                            | ID              | Dier se identifikasie nommer                                |
| Herd Book Section                                       | SEC             | Kuddeboek Afdeling                                          |
| Herd Book Section: Pending Registration                 | PEN             | Kuddeboek Afdeling: Wag vir Registrasie                     |
| Herd Book Section: Not for Registration                 | NFR             | Kuddeboek Afdeling: Nie vir Registrasie                     |
| Herd Book Section: Foundation Generation                | FO              | Kuddeboek Afdeling: Fondasie Generasie                      |
| Herd Book Section: Appendix A                           | A               | Kuddeboek Afdeling: Aanhangsel A                            |
| Herd Book Section: Appendix B                           | B               | Kuddeboek Afdeling: Aanhangsel B                            |
| Herd Book Section: Studbook Proper, a registered animal | SP              | Kuddeboek Afdeling: Studbook Proper, 'n geregistreerde dier |
| Genomically Tested                                      | GT              | Genomies Getoets                                            |
| Homozygous Horned (Celtic test)                         | HH(c)           | Homosigoties horings (Celtic toets)                         |
| Homozygous Polled (Celtic test)                         | PP(c)           | Homosigotiets Poena (Celtic toets)                          |
| Heterozygous Polled (Celtic test)                       | Pp(c)           | Heterosigoties Poena (Celtic toets)                         |
| Phenotypically Polled                                   | P               | Fenotopies Poena                                            |
| Intercalving Period                                     | ICP             | Tussen-Kalf Periode                                         |
| Birth Direct breeding value                             | Birth Dir.      | Geboorte Direk teelwaarde                                   |
| Wean Direct breeding value                              | Wean Dir.       | Speen Direk teelwaarde                                      |
| Wean Maternal breeding value                            | Wean Mat.       | Speen Maternaal teelwaarde                                  |
| Scrotal Circumference                                   | Scr. Circ.      | Skrotum omtrek                                              |
| Heifer Fertility                                        | Heifer Fert.    | Vers Vrugb.                                                 |
| Cow Fertility                                           | Cow Fert.       | Koei Vrugb.                                                 |
| Longevity                                               | Longev.         | Lankl.                                                      |
| Mature Weight                                           | Mat. Wt.        | Volw. Gewig                                                 |
| Average Daily Gain (g/day)                              | ADG             | GDT                                                         |
| Feed Conversion Ratio (kg:kg)                           | FCR             | VOV                                                         |
| Eye Muscle Area                                         | EMA             | OSO                                                         |
| Backfat Thickness                                       | Fat             | Vet                                                         |
| Marbeling (intra-muscular fat)                          | Mar             | Mar                                                         |
| 365-day weight index                                    | 365D Index      | 365D Indeks                                                 |
| 540-day weight index                                    | 540D Index      | 540D Indeks                                                 |
| Length-Height ratio                                     | LH              | LH                                                          |
| Actual Birth weight                                     | Birth Wt.       | Geb. gewig                                                  |
| 205-day Dam-age corrected weight                        | 205d Wt.        | 205d gewig                                                  |
| Cow-Calf Birth Ratio                                    | CCG             | KKG                                                         |
| Cow-Calf Wean Ratio                                     | CCW             | KKS                                                         |
| Average Weaning Index                                   | Avg. Wean Index | Gem. Spn. Indeks                                            |
| Number of Calves                                        | Nr. Calves      | Aant. Kalw.                                                 |
| Reproduction Index                                      | Repr. Index     | Repr. Indeks                                                |
| Animal sex: M - Male, F - Female                        | M / F           | M / V                                                       |