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## CATTLE MUTATION ANALYSIS REPORT

| Order Information |                      |                |            |
|-------------------|----------------------|----------------|------------|
| Name:             | FC Durow Trust       | Print Date:    | 2025/06/12 |
| Telephone No.:    | 083 3099022          | Date received: | 2025/06/06 |
| E-mail address:   | durowtrust@gmail.com | No. samples:   | 17         |

| Description of Procedure                                                                                                                                                                                                                                                       |           |                             |    |       |     |      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------|----|-------|-----|------|----|
| Molecular genotyping for Double Muscling (Myostatin: F94L, Q204X and Nt821). The genotype for each known mutation region is presented below where WT refers to the wild type genotype and MUT refers to the mutated genotype. All mutant genotypes will be highlighted in red. |           |                             |    |       |     |      |    |
| Lab No.                                                                                                                                                                                                                                                                        | Sample ID | Double Muscling (Myostatin) |    |       |     |      |    |
|                                                                                                                                                                                                                                                                                |           | Q204X                       |    | Nt821 |     | F94L |    |
| ZOCA2025-90375                                                                                                                                                                                                                                                                 | FC220015  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90376                                                                                                                                                                                                                                                                 | FC220135  | WT                          | WT | WT    | MUT | WT   | WT |
| ZOCA2025-90377                                                                                                                                                                                                                                                                 | FC220110  | WT                          | WT | WT    | MUT | WT   | WT |
| ZOCA2025-90378                                                                                                                                                                                                                                                                 | FC220041  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90379                                                                                                                                                                                                                                                                 | FC220096  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90380                                                                                                                                                                                                                                                                 | FC220044  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90381                                                                                                                                                                                                                                                                 | FC220116  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90382                                                                                                                                                                                                                                                                 | FC220043  | WT                          | WT | WT    | MUT | WT   | WT |
| ZOCA2025-90383                                                                                                                                                                                                                                                                 | FC220013  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90384                                                                                                                                                                                                                                                                 | FC220062  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90385                                                                                                                                                                                                                                                                 | FC230001  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90386                                                                                                                                                                                                                                                                 | FC230005  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90387                                                                                                                                                                                                                                                                 | FC220098  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90388                                                                                                                                                                                                                                                                 | FC220092  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90389                                                                                                                                                                                                                                                                 | FC220113  | WT                          | WT | WT    | MUT | WT   | WT |
| ZOCA2025-90390                                                                                                                                                                                                                                                                 | FC230025  | WT                          | WT | WT    | WT  | WT   | WT |
| ZOCA2025-90391                                                                                                                                                                                                                                                                 | FC220027  | WT                          | WT | WT    | MUT | WT   | WT |

Dr Christiaan Labuschagne  
Genomics Manager

Rieze Straeuli  
Analyst

2025/06/12

Date

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It is the responsibility of the client that all biological samples are available or has previously been submitted, and corresponds with all requested samples listed on the sample submission form. Inqaba Biotechnical Industries Pty Ltd and the divisions thereof does not accept responsibility for the effect of any absent samples on the analysis results;

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Inqaba Biotechnical Industries Pty Ltd and the divisions thereof reserves the right to decline testing of samples;

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## PARENTAGE SUMMARY

| OFFSPRING TESTED |          | QUALIFYING MOTHER |           | QUALIFYING FATHER |           |
|------------------|----------|-------------------|-----------|-------------------|-----------|
| OFFSPRING ID     | ID TAG   | MOTHER ID         | ID TAG    | FATHER ID         | ID TAG    |
| ZOCA2025-90375   | FC220015 | ZOCA2022-31669    | FC200004  | 2754U008          | CSA190055 |
| ZOCA2025-90376   | FC220135 | ZOCA2021-17301    | FC190056  | A460425           | HOT160310 |
| ZOCA2025-90377   | FC220110 | ZOCA2024-72207    | FC170339  | A362554           | AGO160206 |
| ZOCA2025-90378   | FC220041 | ZOBOS20-05273     | FC180010  | A345978           | HOT160286 |
| ZOCA2025-90379   | FC220096 |                   |           | A362554           | AGO160206 |
| ZOCA2025-90380   | FC220044 | ZOCA2021-17287    | FC190057  | 2754U008          | CSA190055 |
| ZOCA2025-90381   | FC220116 | ZOBOS20-05288     | FC180036  | A345978           | HOT160286 |
| ZOCA2025-90382   | FC220043 | ZOCA2022-31667    | FC200014  | 2754U008          | CSA190055 |
| ZOCA2025-90383   | FC220013 | ZOCA2021-17309    | FC190084  | 2754U008          | CSA190055 |
| ZOCA2025-90384   | FC220062 | ZOBOS20-05290     | FC180038  | A345978           | HOT160286 |
| ZOCA2025-90385   | FC230001 | ZOCA2022-31710    | FC200077  | A550755           | CSA190006 |
| ZOCA2025-90386   | FC230005 | ZOCA2022-31711    | FC200068  | A550755           | CSA190006 |
| ZOCA2025-90387   | FC220098 | ZOCA2021-17306    | FC190035  | A345978           | HOT160286 |
| ZOCA2025-90388   | FC220092 |                   |           | A482507           | GRB140034 |
| ZOCA2025-90389   | FC220113 | ZOCA2021-17307    | FC190094  | C18-16753         | TS140033  |
| ZOCA2025-90390   | FC230025 | A510693           | CSA180056 | A345978           | HOT160286 |
| ZOCA2025-90391   | FC220027 | ZOBOS20-05286     | FC180033  | A345978           | HOT160286 |
| ZOCA2025-90392   | FC230006 | ZOCA2022-31651    | FC200092  | A550755           | CSA190006 |
| ZOCA2025-90393   | FC230007 | ZOCA2022-31703    | FC200062  | A550755           | CSA190006 |
| ZOCA2025-90394   | FC230011 | ZOCA2022-31655    | FC200099  | A550755           | CSA190006 |
| ZOCA2025-90395   | FC230010 | ZOCA2022-31665    | FC200069  | A550755           | CSA190006 |
| ZOCA2025-90396   | FC230027 | ZOCA2021-17286    | FC190040  | A345978           | HOT160286 |
| ZOCA2025-90397   | FC230028 |                   |           | A345978           | HOT160286 |
| ZOCA2025-90398   | FC230026 | ZOBOS19-05276     | FC170324  | A345978           | HOT160286 |
| ZOCA2025-90399   | FC230020 | ZOCA2022-31656    | FC200058  | A550755           | CSA190006 |
| ZOCA2025-90400   | FC230022 |                   |           | A345978           | HOT160286 |
| ZOCA2025-90401   | FC230002 | ZOCA2022-31693    | FC200090  | A550755           | CSA190006 |
| ZOCA2025-90402   | FC230023 | ZOCA2021-17289    | FC190075  | A345978           | HOT160286 |
| ZOCA2025-90403   | FC230012 |                   |           | A550755           | CSA190006 |
| ZOCA2025-90404   | FC230057 | A550752           | CSA190003 | 7628U014          | CSA210007 |
| ZOCA2025-90405   | FC240004 | ZOCA2022-31703    | FC200062  | A362554           | AGO160206 |
| ZOCA2025-90406   | FC230127 | ZOCA2022-31660    | FC200087  | 7628U014          | CSA210007 |
| ZOCA2025-90407   | FC230102 | ZOCA2022-31689    | FC200012  | 7628U019          | CSA210014 |
| ZOCA2025-90408   | FC230066 |                   |           | A362554           | AGO160206 |
| ZOCA2025-90409   | FC240031 | ZOBOS19-05260     | FC170323  | A362554           | AGO160206 |
| ZOCA2025-90410   | FC230088 |                   |           | A550755           | CSA190006 |
| ZOCA2025-90411   | FC230114 | ZOCA2022-31674    | FC200009  | 7628U014          | CSA210007 |
| ZOCA2025-90412   | FC230124 | ZOCA2021-17307    | FC190094  | 7628U019          | CSA210014 |
| ZOCA2025-90413   | FC230117 |                   |           | A482507           | GRB140034 |
| ZOCA2025-90414   | FC230140 |                   |           | A550755           | CSA190006 |
| ZOCA2025-90415   | FC230084 |                   |           | A550755           | CSA190006 |
| ZOCA2025-90416   | FC230105 | ZOCA2022-31682    | FC200032  | 7628U014          | CSA210007 |
| ZOCA2025-90417   | FC230063 |                   |           | A362554           | AGO160206 |
| ZOCA2025-90418   | FC230059 | ZOBOS20-05273     | FC180010  | A362554           | AGO160206 |
| ZOCA2025-90419   | FC240028 |                   |           | 7628U019          | CSA210014 |
| ZOCA2025-90420   | FC230099 | ZOBOS19-05284     | FC170328  | A482507           | GRB140034 |
| ZOCA2025-90421   | FC230078 | ZOCA2022-31664    | FC200061  | 7628U019          | CSA210014 |

# PARENTAGE SUMMARY

| OFFSPRING TESTED |          | QUALIFYING MOTHER |          | QUALIFYING FATHER |           |
|------------------|----------|-------------------|----------|-------------------|-----------|
| OFFSPRING ID     | ID TAG   | MOTHER ID         | ID TAG   | FATHER ID         | ID TAG    |
| ZOCA2025-90422   | FC230126 |                   |          | A550755           | CSA190006 |
| ZOCA2025-90423   | FC230086 | ZOCA2022-31676    | FC200036 | 7628U014          | CSA210007 |
| ZOCA2025-90424   | FC240033 | ZOBOS20-05301     | FC180056 | 7628U019          | CSA210014 |
| ZOCA2025-90425   | FC230112 | ZOCA2022-31668    | FC200015 | 7628U019          | CSA210014 |
| ZOCA2025-90426   | FC240018 | ZOCA2022-31658    | FC200049 | A362554           | AGO160206 |
| ZOCA2025-90427   | FC230136 | ZOCA2021-17290    | FC190058 | A550755           | CSA190006 |
| ZOCA2025-90428   | FC230094 | ZOCA2024-72213    | TS150313 | A550755           | CSA190006 |
| ZOCA2025-90429   | FC240002 | ZOCA2022-31698    | FC200084 | A362554           | AGO160206 |
| ZOCA2025-90430   | FC230138 | ZOCA2024-72212    | TS170308 | A550755           | CSA190006 |
| ZOCA2025-90431   | FC230065 |                   |          | A362554           | AGO160206 |
| ZOCA2025-90432   | FC230122 | ZOBOS20-05285     | FC180031 | A362554           | AGO160206 |
| ZOCA2025-90433   | FC230072 | ZOCA2022-31667    | FC200014 | 7628U019          | CSA210014 |
| ZOCA2025-90434   | FC240043 | ZOCA2021-17282    | FC190055 | A362554           | AGO160206 |
| ZOCA2025-90435   | FC230085 | ZOCA2022-31669    | FC200004 | 7628U019          | CSA210014 |
| ZOCA2025-90436   | FC230087 | ZOCA2021-17300    | FC190024 | A550755           | CSA190006 |
| ZOCA2025-90437   | FC240017 |                   |          | 7628U014          | CSA210007 |
| ZOCA2025-90438   | FC230060 |                   |          | A362554           | AGO160206 |
| ZOCA2025-90439   | FC240042 | ZOCA2022-31673    | FC200016 | A362554           | AGO160206 |
| ZOCA2025-90440   | FC240041 | ZOBOS19-05270     | FC170336 | A362554           | AGO160206 |
| ZOCA2025-90441   | FC240011 | ZOCA2021-17304    | FC190017 | A362554           | AGO160206 |
| ZOCA2025-90442   | FC240005 | ZOCA2022-31666    | FC200104 | A362554           | AGO160206 |
| ZOCA2025-90443   | FC230055 | ZOCA2023-49532    | FC210019 | A550755           | CSA190006 |
| ZOCA2025-90444   | FC230053 | ZOBOS20-05286     | FC180033 | A362554           | AGO160206 |
| ZOCA2025-90445   | FC230115 |                   |          | A550755           | CSA190006 |
| ZOCA2025-90446   | FC230104 | ZOCA2022-31670    | FC200047 | 7628U019          | CSA210014 |
| ZOCA2025-90447   | FC240039 | ZOCA2022-31701    | FC200116 | A362554           | AGO160206 |
| ZOCA2025-90448   | FC240036 | ZOCA2022-31679    | FC200044 | 7628U014          | CSA210007 |
| ZOCA2025-90449   | FC230121 | ZOCA2021-17287    | FC190057 | 7628U014          | CSA210007 |
| ZOCA2025-90450   | FC230070 | ZOBOS19-05262     | FC170314 | A362554           | AGO160206 |
| ZOCA2025-90451   | FC230097 | ZOCA2022-31685    | FC200010 | 7628U014          | CSA210007 |
| ZOCA2025-90452   | FC230064 | ZOCA2022-31708    | FC200043 | 7628U014          | CSA210007 |
| ZOCA2025-90453   | FC230075 | ZOCA2022-31690    | FC200074 | 7628U014          | CSA210007 |
| ZOCA2025-90454   | FC240019 | ZOBOS19-05261     | FC170312 | 7628U019          | CSA210014 |
| ZOCA2025-90455   | FC230141 |                   |          | A362554           | AGO160206 |
| ZOCA2025-90456   | FC230139 | ZOBOS20-05306     | FC180067 | A362554           | AGO160206 |
| ZOCA2025-90457   | FC240045 |                   |          | A362554           | AGO160206 |

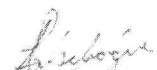


Rieze Straeuli

Analyst

Print Date:

2025/06/26



Dr Christiaan Labuschagne

Genomics Manager

Print Date:

2025/06/26

\* More than one qualifying mother and/ or father identified for offspring

\*\* Either mother or father can qualify as parent; no parent pair identified

Most likely parent allocated from parent list provided. No statistical support.

## Disclaimer

Parentage is performed using the sire and dam list provided by the client.

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# PARENTAGE SUMMARY

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| OFFSPRING TESTED |        | QUALIFYING MOTHER |        | QUALIFYING FATHER |        |
|------------------|--------|-------------------|--------|-------------------|--------|
| OFFSPRING ID     | ID TAG | MOTHER ID         | ID TAG | FATHER ID         | ID TAG |

*Nothing in this document should be construed as advice to proceed or not to proceed with any specific course of action, as it was not prepared for that purpose.*

*This is a parentage summary, summarising the potential parentage assignments for a specific order and not an official parentage certificate. Finalised results are sent on official certificates.*

*This parentage summary supersedes any previously issued parentage summaries.*