



ZooOmics™ is a division of Inqaba Biotechnical Industries Pty Ltd
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PO Box 14356, Hatfield, Pretoria 0028

CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Opperman Boerdery	Print Date:	2026/09/01
Telephone No.:	0833203693	Date received:	2026/08/28
E-mail address:	kosie44@gmail.com	No. samples:	4

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	
ZOCA2026-119124	DOP230027	WT	WT	WT	WT	WT	WT
ZOCA2026-119125	DOP230029	WT	WT	WT	WT	WT	WT
ZOCA2026-119126	DOP230043	WT	WT	WT	WT	WT	WT
ZOCA2026-119127	DOP230119	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Analyst

2026/09/01

Date

**Disclaimer

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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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PARENTAGE SUMMARY

OFFSPRING TESTED		QUALIFYING MOTHER		QUALIFYING FATHER	
OFFSPRING ID	ID TAG	MOTHER ID	ID TAG	FATHER ID	ID TAG
ZOCA2026-119124	DOP230027			P109-20	AH190140
ZOCA2026-119125	DOP230029			P109-20	AH190140
ZOCA2026-119126	DOP230043			P109-20	AH190140
ZOCA2026-119127	DOP230119			P109-20	AH190140

Analyst

Rieze Straeuli

Print Date:

2026/09/07

Dr Christiaan Labuschagne

Genomics Manager

Print Date:

2026/09/07

* 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.

It is the responsibility of the client to provide ZooOmics with all potential sire and/or dam candidates. This includes all AI bulls and cover bulls. Should any extra sire and/or dam candidates be added in the future, the parentage assignments may change. ZooOmics (a division of Inqaba Biotechnical Industries Pty Ltd) does not accept responsibility for the effect of any false assignments due to absent candidate sires and/or dams.

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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.



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CATTLE MUTATION ANALYSIS REPORT

Owner/Sender Information

Name:	Opperman Boerdery	Print Date:	2026/09/08
Telephone No.:	0833203693	Date	2026/08/28
E-mail:	kosie44@gmail.com	No. samples:	4

Description of Procedure

Molecular screening of the polled (Celtic) in the BTA1 gene. The presence of the indel mutation will be indicated as MUT/MUT for homozygous polled animals, WT/WT for homozygous unaffected horned animals and WT/MUT for heterozygous polled animals.

Lab No.	Sample ID	Result	Lab No.	Sample ID	Result
ZOCA2026-119124	DOP230027	WT/WT	ZOCA2026-119126	DOP230043	WT/WT
ZOCA2026-119125	DOP230029	WT/WT	ZOCA2026-119127	DOP230119	WT/WT


Dr Christiaan Labuschagne
Genomics Manager


Nkateko Mkase
Analyst

2026/09/08
Date

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