



ZooOmics™ is a division of Inqaba Biotechnical Industries Pty Ltd
info@ZooOmics.co.za
525 Justice Mahomed Str, Muckleneuk, Pretoria 0002
PO Box 14356, Hatfield, Pretoria 0028

CATTLE MUTATION ANALYSIS REPORT

Order Information			
Name:	Willow Beefmasters (PTY) Ltd	Print Date:	2026/09/21
Telephone No.:	0824525543	Date received:	2026/02/01
E-mail address:	willowbeefmasters@standerton.net	No. samples:	3

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	
ZOCA2026-119219	WIL230152	WT	WT	WT	WT	WT	WT
ZOCA2026-119220	WIL240022	WT	WT	WT	WT	WT	WT
ZOCA2026-119223	WIL240213	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Rieze Straeuli
Analyst

2026/09/21

Date

**Disclaimer

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Inqaba Biotechnical Industries Pty Ltd and the divisions thereof (Registration number: 2001/011245/07) accepts that the biological specimen(s) provided, originates from the relevant animal(s) as indicated on the relevant specimen(s) provided;

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;

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof accepts that all genetic profiles and/or samples from external sources are correctly labelled and accurate;

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Nothing in this document should be construed as advice to proceed or not to proceed with any specific



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CATTLE MUTATION ANALYSIS REPORT

Order Information			
Name:	Willow Beefmasters (PTY) Ltd	Print Date:	2026/08/26
Telephone No.:	0824525543	Date received:	2026/08/21
E-mail address:	willowbeefmasters@standerton.net	No. samples:	2

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	
ZOCA2026-118624	WIL230187	WT	WT	WT	WT	WT	WT
ZOCA2026-118625	WIL240067	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Seyuri Rajaruthnam
Analyst

2026/08/26

Date

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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;

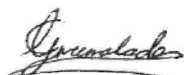
It is the sender's responsibility to obtain permits when sending samples where required;

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

No guarantees are made with regards to turn-around time and results, and no liability will be accepted for any delays.

PARENTAGE SUMMARY

OFFSPRING TESTED		QUALIFYING MOTHER		QUALIFYING FATHER	
OFFSPRING ID	ID TAG	MOTHER ID	ID TAG	FATHER ID	ID TAG
ZOCA2026-118624	WIL230187				Multi-sire
ZOCA2026-118625	WIL240067				Multi-sire
ZOCA2026-119219	WIL230152				Multi-sire
ZOCA2026-119220	WIL240022			ZOCA2023-54716	WIL220381
ZOCA2026-119223	WIL240213			ZOCA2023-54696	WIL210320



Catherine Greenslade
 Analyst
 Print Date:

2026/09/22



Dr Christiaan Labuschagne
 Genomics Manager
 Print Date:

2026/09/22

* 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.

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.