



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

Owner/Sender Information

Name:	Towton Bonsmara
Telephone No.:	082 780 4218
E-mail:	philip@towtonfarms.co.za

Print Date:	2026/09/10
Date received:	2026/08/25
No. samples:	2

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
ZOCA2026-118841	CSW240068	WT/MUT	ZOCA2026-118846	CSW240098	WT/MUT


Dr Christiaan Labuschagne
Genomics Manager


Almero Oosthuizen
Analyst

2026/09/10
Date

**Disclaimer

Whatever is contained in this report is subject to the following:

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;

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof shall not be responsible for human and/or technical errors that could not have been foreseen;

This document is solely for the use of the addressee and only in connection for the purpose set out in this document. Inqaba Biotechnical Industries Pty Ltd and the divisions thereof do not assume liability or responsibility to any third party to which this document is disclosed or otherwise made available;

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.