

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	WEK160046
MICROCHIP NUMBER	NOT PROVIDED
SPECIES	CATTLE
GENDER	Female
OWNER	KLING BONSMARAS
LAB. NO	ZOBOS20-02362

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	Not Detected	
BM2113	127	133
TGLA053	156	156
ETH10	211	217
ILSTS011	Not Detected	
SPS113	Not Detected	
RM067	90	94
TGLA126	115	117
TGLA122	143	143
INRA023	196	202

STR Marker	Allele 1	Allele 2
BM1818	260	266
ETH003	121	125
ETH225	150	150
BM1824	180	182
SPS115	248	260
CSRM060	92	100
MGTG4B	137	143
CSSM066	183	183
ILSTS006	Not Detected	

The DNA profile represents the standardised alleles for the 12 International Society for Animal Genetics (ISAG, 2016) recommended markers. These alleles were obtained from STR analysis by capillary electrophoresis. The DNA profile includes additional markers as recommended by the Food and Agriculture Organization of the United Nations (FAO) for routine bovine parentage testing and identification.



Ms Miscna Fraser
ZooOmics™ Manager

03 April 2020

Date



Dr Christiaan Labuschagne
Genomics Manager

03 April 2020

Date

****See disclaimer on reverse side**

****Disclaimer**

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

- 1** 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
- 2** 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;
- 3** 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;
- 4** 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;
- 5** 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 assume liability or responsibility to any third party to which this document is disclosed or otherwise made available;
- 6** 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;
- 7** The DNA profile is based on a preliminary marker panel that is subject to modification pending additional genetic information;
- 8** It is the sender's responsibility to obtain permits when sending samples where required;
- 9** Inqaba Biotechnical Industries Pty Ltd and the divisions thereof reserves the right to decline testing of samples;
- 10** No guarantees are made with regards to turn-around time and results, and no liability will be accepted for any delays.

