



Tel: 071 493 21 37
Email: info@ZooOmics.co.za
Physical Address: 525 Justice Mahomed Str, Muckleneuk, Pretoria 0002
Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WIL171014
Microchip Number	Not Provided
DNA Profile Certificate Number	ZOBOS20-06975-DC

qualifies as the offspring of

Male

Animal ID/Name	FXF070457
Microchip Number	Not Provided
DNA Profile Certificate Number	C17-15728-DC

&

Female

Animal ID/Name	Not Applicable
Microchip Number	Not Applicable
DNA Profile Certificate Number	Not Applicable

Based on the results from genetic profiles of the individually listed animals after categorical allocation of the supplied biological samples. Allocation is based on a confidence level of 95% (based on the population tested) and ≤ 1 mismatched marker.

Dr Christiaan Labuschagne
Genomics Manager

02 November 2020

Date

****See disclaimer on reverse side**

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	WIL170474
MICROCHIP NUMBER	Not Provided
SPECIES	CATTLE
GENDER	Male
OWNER	
LAB. NO	ZOBOS20-07053

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	91	91
BM2113	137	139
TGLA053	Not Detected	
ETH10	209	217
ILSTS011	266	266
SPS113	141	143
RM067	90	90
TGLA126	119	123
TGLA122	137	157
INRA023	206	214

STR Marker	Allele 1	Allele 2
BM1818	260	266
ETH003	117	123
ETH225	148	158
BM1824	182	182
SPS115	246	256
CSRM060	88	102
MGTG4B	137	137
CSSM066	181	189
ILSTS006	288	296

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.



Dr Christiaan Labuschagne
Genomics Manager

02 November 2020

Date

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CVML15/AG/00226

ISAG
Institutional Member

06-Mar-15

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	WIL171014
MICROCHIP NUMBER	Not Provided
SPECIES	CATTLE
GENDER	Male
OWNER	
LAB. NO	ZOBOS20-06975

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	83
BM2113	125	131
TGLA053	Not Detected	
ETH10	213	217
ILSTS011	261	268
SPS113	141	153
RM067	90	90
TGLA126	115	125
TGLA122	141	147
INRA023	196	208

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	117	117
ETH225	158	158
BM1824	188	188
SPS115	246	248
CSRM060	104	114
MGTG4B	135	151
CSSM066	181	197
ILSTS006	288	292

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.



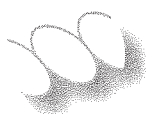
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Genomics Manager

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ISAG 
Institutional Member

06-Mar-15

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	WIL190001
MICROCHIP NUMBER	Not Provided
SPECIES	CATTLE
GENDER	Male
OWNER	
LAB. NO	ZOBOS20-07042

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	83	93
BM2113	125	137
TGLA053	Not Detected	
ETH10	209	217
ILSTS011	266	268
SPS113	141	143
RM067	90	102
TGLA126	125	125
TGLA122	137	137
INRA023	196	214

STR Marker	Allele 1	Allele 2
BM1818	262	262
ETH003	117	123
ETH225	148	150
BM1824	180	182
SPS115	248	252
CSRM060	110	114
MGTG4B	135	137
CSSM066	197	197
ILSTS006	292	294

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.



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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WIL190001
Microchip Number	Not Provided
DNA Profile Certificate Number	ZOBOS20-07042-DC

qualifies as the offspring of

Male

Animal ID/Name	FXF070457
Microchip Number	Not Provided
DNA Profile Certificate Number	C17-15728-DC

&

Female

Animal ID/Name	Not Applicable
Microchip Number	Not Applicable
DNA Profile Certificate Number	Not Applicable

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	WIL170474
Microchip Number	Not Provided
DNA Profile Certificate Number	ZOBOS20-07053-DC

qualifies as the offspring of

Male

Animal ID/Name	FXF110520
Microchip Number	Not Provided
DNA Profile Certificate Number	C17-15748-DC

&

Female

Animal ID/Name	Not Applicable
Microchip Number	Not Applicable
DNA Profile Certificate Number	Not Applicable

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