

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	BUF180231
MICROCHIP NUMBER	-
SPECIES	CATTLE
GENDER	Male
OWNER	BUFLAND BOERDERY
LAB. NO	ZOBOS20-08876

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	133	133
TGLA053	Not Detected	
ETH10	211	213
ILSTS011	Not Detected	
SPS113	141	141
RM067	92	102
TGLA126	115	125
TGLA122	143	151
INRA023	196	206

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	117	125
ETH225	150	150
BM1824	180	192
SPS115	248	248
CSRM060	100	102
MGTG4B	135	137
CSSM066	187	189
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.



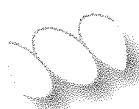
Dr Christiaan Labuschagne
 Genomics Manager

23 November 2020

Date

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CVML15/AG/00226

ISAG 
 Institutional Member

06-Mar-15



Tel: 071 493 21 37
Email: info@Zoomics.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	BUF180231
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08876-DC

qualifies as the offspring of

Male

Animal ID/Name	BUF160168
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08880-DC

&

Female

Animal ID/Name	
Microchip Number	
DNA Profile Certificate Number	

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

23 November 2020
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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	BUF180248
MICROCHIP NUMBER	-
SPECIES	CATTLE
GENDER	Male
OWNER	BUFLAND BOERDERY
LAB. NO	ZOBOS20-08877

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	89
BM2113	125	139
TGLA053	Not Detected	
ETH10	209	209
ILSTS011	Not Detected	
SPS113	141	141
RM067	90	90
TGLA126	115	117
TGLA122	137	143
INRA023	196	208

STR Marker	Allele 1	Allele 2
BM1818	260	266
ETH003	117	117
ETH225	140	150
BM1824	178	192
SPS115	248	248
CSRM060	102	114
MGTG4B	135	137
CSSM066	187	189
ILSTS006	Not Detected	

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	BUF180248
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08877-DC

qualifies as the offspring of

Male

Animal ID/Name	BUF160168
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08880-DC

&

Female

Animal ID/Name	
Microchip Number	
DNA Profile Certificate Number	

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	BUF180249
MICROCHIP NUMBER	-
SPECIES	CATTLE
GENDER	Male
OWNER	BUFLAND BOERDERY
LAB. NO	ZOBOS20-08878

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	133	139
TGLA053	Not Detected	
ETH10	213	217
ILSTS011	Not Detected	
SPS113	Not Detected	
RM067	90	90
TGLA126	115	125
TGLA122	137	143
INRA023	196	208

STR Marker	Allele 1	Allele 2
BM1818	Not Detected	
ETH003	117	117
ETH225	140	150
BM1824	190	192
SPS115	248	248
CSRM060	102	102
MGTG4B	137	141
CSSM066	185	187
ILSTS006	Not Detected	

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	BUF180249
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08878-DC

qualifies as the offspring of

Male

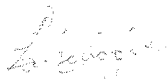
Animal ID/Name	BUF160168
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08880-DC

&

Female

Animal ID/Name	
Microchip Number	
DNA Profile Certificate Number	

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	BUF180279
MICROCHIP NUMBER	-
SPECIES	CATTLE
GENDER	Male
OWNER	BUFLAND BOERDERY
LAB. NO	ZOBOS20-08879

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	Not Detected	
BM2113	125	135
TGLA053	Not Detected	
ETH10	217	217
ILSTS011	264	268
SPS113	141	147
RM067	90	92
TGLA126	115	125
TGLA122	143	183
INRA023	196	214

STR Marker	Allele 1	Allele 2
BM1818	258	260
ETH003	117	121
ETH225	140	151
BM1824	190	192
SPS115	248	254
CSRM060	102	102
MGTG4B	135	137
CSSM066	187	189
ILSTS006	292	294

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	BUF180279
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08879-DC

qualifies as the offspring of

Male

Animal ID/Name	HJL120130
Microchip Number	-
DNA Profile Certificate Number	ZOBOS20-08881-DC

&

Female

Animal ID/Name	
Microchip Number	
DNA Profile Certificate Number	

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