

DNA PROFILE CERTIFICATE

General Information:

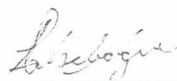
Test Animal	
ANIMAL ID/NAME	JR220016
BREED	DRAKENSBERGER
SPECIES	CATTLE
GENDER	Male
OWNER	J J RETIEF
LAB. NO	ZOCA2025-90141

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	87	93
BM2113	137	139
TGLA053	172	182
ETH10	217	219
ILSTS011	266	266
SPS113	137	153
RM067	90	98
TGLA126	117	123
TGLA122	Not Detected	
INRA023	214	214

STR Marker	Allele 1	Allele 2
BM1818	262	264
ETH003	117	125
ETH225	140	148
BM1824	180	188
SPS115	248	250
CSRM060	96	102
MGTG4B	137	137
CSSM066	185	187
ILSTS006	286	290

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

18 June 2025

Date

****See disclaimer on reverse side**

ISAG
Institutional Member

CVML15/AG/00226

06-Mar-15

ZOCA2025-90141-DC

18-Jun-25

****Disclaimer**

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

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General Information:

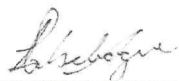
Test Animal	
ANIMAL ID/NAME	JR240049
BREED	DRAKENSBERGER
SPECIES	CATTLE
GENDER	Female
OWNER	J J RETIEF
LAB. NO	ZOCA2025-90139

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	93	97
BM2113	133	141
TGLA053	162	166
ETH10	217	225
ILSTS011	264	266
SPS113	137	153
RM067	90	92
TGLA126	115	115
TGLA122	Not Detected	
INRA023	200	214

STR Marker	Allele 1	Allele 2
BM1818	264	264
ETH003	117	125
ETH225	148	152
BM1824	180	182
SPS115	248	248
CSRM060	92	102
MGTG4B	131	137
CSSM066	179	183
ILSTS006	288	300

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General Information:

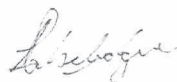
Test Animal	
ANIMAL ID/NAME	JR240047
BREED	DRAKENSBERGER
SPECIES	CATTLE
GENDER	Female
OWNER	J J RETIEF
LAB. NO	ZOCA2025-90138

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	87	97
BM2113	133	137
TGLA053	162	182
ETH10	217	217
ILSTS011	264	266
SPS113	137	137
RM067	90	90
TGLA126	115	117
TGLA122	Not Detected	
INRA023	194	202

STR Marker	Allele 1	Allele 2
BM1818	264	264
ETH003	117	117
ETH225	148	158
BM1824	180	182
SPS115	248	250
CSRM060	92	98
MGTG4B	137	137
CSSM066	185	187
ILSTS006	290	290

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