



Tel:
Email:
Physical Address:
Postal Address:

071 493 21 37
info@ZooOmics.co.za
525 Justice Mahomed Str, Muckleneuk, Pretoria 0002
PO Box 14356, Hatfield, Pretoria 0028

DNA PROFILE CERTIFICATE

General Information:

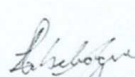
Test Animal	
ANIMAL ID/NAME	NP260022
BREED	Senepol
SPECIES	Cattle
GENDER	Male
OWNER	AB & NP MULLER
LAB. NO	ZOCA2026-116554

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	79	89
BM2113	127	139
TGLA053	164	164
ETH10	209	209
ILSTS011	261	268
SPS113	153	153
RM067	90	90
TGLA126	121	125
TGLA122	151	151
INRA023	214	214

STR Marker	Allele 1	Allele 2
BM1818	264	270
ETH003	115	119
ETH225	148	150
BM1824	180	182
SPS115	252	254
CSRM060	100	100
MGTG4B	143	143
CSSM066	183	195
ILSTS006	296	298

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

20 July 2026
Date

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ISAG 
Institutional Member



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General Information:

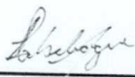
Test Animal	
ANIMAL ID/NAME	NP260023
BREED	Senepol
SPECIES	Cattle
GENDER	Male
OWNER	AB & NP MULLER
LAB. NO	ZOCA2026-116555

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	89	97
BM2113	131	139
TGLA053	170	170
ETH10	209	221
ILSTS011	Not Detected	
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	115	123
TGLA122	143	151
INRA023	214	214

STR Marker	Allele 1	Allele 2
BM1818	264	264
ETH003	117	117
ETH225	148	148
BM1824	182	182
SPS115	248	248
CSRM060	96	100
MGTG4B	143	145
CSSM066	181	181
ILSTS006	Not Detected	

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DNA PROFILE CERTIFICATE

General Information:

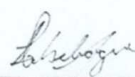
Test Animal	
ANIMAL ID/NAME	NP260024
BREED	Senepol
SPECIES	Cattle
GENDER	Male
OWNER	AB & NP MULLER
LAB. NO	ZOCA2026-116556

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	89	91
BM2113	127	139
TGLA053	160	160
ETH10	209	221
ILSTS011	261	261
SPS113	137	149
RM067	90	90
TGLA126	123	123
TGLA122	151	151
INRA023	214	214

STR Marker	Allele 1	Allele 2
BM1818	264	270
ETH003	117	119
ETH225	148	148
BM1824	182	182
SPS115	248	248
CSRM060	96	102
MG TG4B	135	143
CSSM066	181	181
ILSTS006	296	296

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DNA PROFILE CERTIFICATE

General Information:

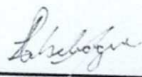
Test Animal	
ANIMAL ID/NAME	NP260025
BREED	Senepol
SPECIES	Cattle
GENDER	Female
OWNER	AB & NP MULLER
LAB. NO	ZOCA2026-116557

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	87	89
BM2113	127	139
TGLA053	164	166
ETH10	211	211
ILSTS011	264	268
SPS113	153	153
RM067	90	90
TGLA126	123	123
TGLA122	143	151
INRA023	214	214

STR Marker	Allele 1	Allele 2
BM1818	264	266
ETH003	115	117
ETH225	148	148
BM1824	182	182
SPS115	248	260
CSRM060	96	100
MGTG4B	135	143
CSSM066	183	195
ILSTS006	294	296

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