

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC240047
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114303

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	81	93
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	213	217
ILSTS011	261	268
SPS113	Not Detected	
RM067	94	94
TGLA126	109	119
TGLA122	151	183
INRA023	196	202

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	103	125
ETH225	148	148
BM1824	182	182
SPS115	248	250
CSRM060	104	106
MGTG4B	139	143
CSSM066	181	197
ILSTS006	292	293

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 July 2026

Date

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****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;
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- 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
- 10** No guarantees are made with regards to turn-around time and results, and no liability will be accepted for any delays.

DNA PROFILE CERTIFICATE

General Information:

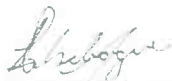
Test Animal	
ANIMAL ID/NAME	FC230111
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114304

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	91
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	211	213
ILSTS011	268	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	109	109
TGLA122	137	151
INRA023	198	202

STR Marker	Allele 1	Allele 2
BM1818	262	268
ETH003	125	125
ETH225	140	148
BM1824	180	192
SPS115	248	252
CSRM060	92	102
MGTG4B	137	139
CSSM066	185	189
ILSTS006	290	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.



Dr Christiaan Labuschagne
Genomics Manager

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Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230111
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114304-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210007
Breed	Droughtmaster
DNA Profile Certificate Number	7628U014

&

Female

Animal ID/Name	FC200045
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2022-31678-DC

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
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DNA PROFILE CERTIFICATE

General Information:

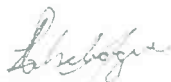
Test Animal	
ANIMAL ID/NAME	CSA241001
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114305

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	209	217
ILSTS011	268	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	109	123
TGLA122	151	151
INRA023	202	214

STR Marker	Allele 1	Allele 2
BM1818	258	262
ETH003	115	117
ETH225	158	158
BM1824	180	182
SPS115	248	250
CSRM060	92	102
MGTG4B	145	149
CSSM066	181	185
ILSTS006	292	292

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	CSA241001
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114305-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA200048
Breed	Droughtmaster
DNA Profile Certificate Number	7628U004

&

Female

Animal ID/Name	CSA160106
Breed	Droughtmaster
DNA Profile Certificate Number	A412907

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Dr Christiaan Labuschagne
Genomics Manager

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230079
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114306

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	213	213
ILSTS011	268	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	109	121
TGLA122	137	183
INRA023	202	206

STR Marker	Allele 1	Allele 2
BM1818	264	268
ETH003	103	119
ETH225	140	148
BM1824	182	192
SPS115	248	260
CSRM060	92	102
MGTG4B	135	137
CSSM066	185	197
ILSTS006	292	296

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230079
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114306-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210007
Breed	Droughtmaster
DNA Profile Certificate Number	7628U014

&

Female

Animal ID/Name	FC200118
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2022-31654-DC

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.

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DNA PROFILE CERTIFICATE

General Information:

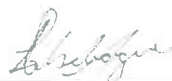
Test Animal	
ANIMAL ID/NAME	FC230109
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114307

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	211	213
ILSTS011	264	266
SPS113	Not Detected	
RM067	90	94
TGLA126	125	125
TGLA122	143	145
INRA023	202	202

STR Marker	Allele 1	Allele 2
BM1818	258	262
ETH003	115	121
ETH225	140	158
BM1824	180	182
SPS115	248	248
CSRM060	100	102
MGTG4B	Not Detected	
CSSM066	185	187
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	FC230109
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114307-DC

qualifies as the offspring of

Male

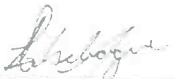
Animal ID/Name	CSA210014
Breed	Droughtmaster
DNA Profile Certificate Number	7628U019

&

Female

Animal ID/Name	FC200120
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2022-31692-DC

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

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230067
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114308

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	213	217
ILSTS011	268	268
SPS113	Not Detected	
RM067	90	90
TGLA126	115	125
TGLA122	145	159
INRA023	202	210

STR Marker	Allele 1	Allele 2
BM1818	266	266
ETH003	115	117
ETH225	140	158
BM1824	182	192
SPS115	248	248
CSRM060	92	102
MGTG4B	139	145
CSSM066	181	199
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	FC230067
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114308-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210014
Breed	Droughtmaster
DNA Profile Certificate Number	7628U019

&

Female

Animal ID/Name	FC200122
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2022-31707

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 July 2026
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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230131
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114309

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	81	93
BM2113	133	137
TGLA053	160	160
ETH10	209	221
ILSTS011	261	261
SPS113	Not Detected	
RM067	90	102
TGLA126	115	123
TGLA122	Not Detected	
INRA023	202	214

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	115	121
ETH225	148	158
BM1824	182	188
SPS115	248	250
CSRM060	104	110
MGTG4B	Not Detected	
CSSM066	179	181
ILSTS006	288	297

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
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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230131
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114309-DC

qualifies as the offspring of

Male

Animal ID/Name	AGO160206
Breed	Droughtmaster
DNA Profile Certificate Number	A362554

&

Female

Animal ID/Name	FC190033
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2021-17303

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

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DNA PROFILE CERTIFICATE

General Information:

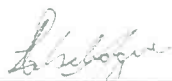
Test Animal	
ANIMAL ID/NAME	FC240038
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114310

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	81
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	209	211
ILSTS011	261	266
SPS113	Not Detected	
RM067	90	94
TGLA126	115	125
TGLA122	145	151
INRA023	202	206

STR Marker	Allele 1	Allele 2
BM1818	262	262
ETH003	115	117
ETH225	140	154
BM1824	182	182
SPS115	248	248
CSRM060	92	102
MGTG4B	145	145
CSSM066	185	199
ILSTS006	288	292

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC240038
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114310-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210014
Breed	Droughtmaster
DNA Profile Certificate Number	7628U019

&

Female

Animal ID/Name	TS160310
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2024-72208-DC

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 July 2026
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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230116
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114311

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	89	93
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	213	221
ILSTS011	261	266
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	109	115
TGLA122	143	151
INRA023	198	202

STR Marker	Allele 1	Allele 2
BM1818	264	266
ETH003	117	125
ETH225	140	148
BM1824	178	182
SPS115	250	254
CSRM060	92	92
MGTG4B	139	151
CSSM066	179	187
ILSTS006	292	297

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	FC230116
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114311-DC

qualifies as the offspring of

Male

Animal ID/Name	AGO160206
Breed	Droughtmaster
DNA Profile Certificate Number	A362554

&

Female

Animal ID/Name	FC170321
Breed	DROUGHTMASTER
DNA Profile Certificate Number	ZOBOS19-05273-DC

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC240025
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114312

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	91	93
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	209	221
ILSTS011	261	266
SPS113	Not Detected	
RM067	90	90
TGLA126	115	117
TGLA122	143	151
INRA023	198	202

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	103	115
ETH225	148	158
BM1824	180	182
SPS115	248	252
CSRM060	102	104
MGTG4B	129	151
CSSM066	181	181
ILSTS006	293	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.

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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC240025
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114312-DC

qualifies as the offspring of

Male

Animal ID/Name	AGO160206
Breed	Droughtmaster
DNA Profile Certificate Number	A362554

&

Female

Animal ID/Name	FC200108
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2022-31706-DC

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Postal Address:

PO Box 14356, Hatfield, Pretoria 0028

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC240001
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114313

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	81	89
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	209	217
ILSTS011	266	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	115	123
TGLA122	137	143
INRA023	214	214

STR Marker	Allele 1	Allele 2
BM1818	260	268
ETH003	103	117
ETH225	140	158
BM1824	180	182
SPS115	248	261
CSRM060	100	106
MGTG4B	139	143
CSSM066	179	183
ILSTS006	288	301

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	FC240001
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114313-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA190006
Breed	Droughtmaster
DNA Profile Certificate Number	A550755

&

Female

Animal ID/Name	FC210021
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2023-49534-DC

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Physical Address:

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Postal Address:

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230056
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114314

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	81
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	211	221
ILSTS011	266	266
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	115	125
TGLA122	137	145
INRA023	198	202

STR Marker	Allele 1	Allele 2
BM1818	262	262
ETH003	117	127
ETH225	140	158
BM1824	182	192
SPS115	248	248
CSRM060	100	102
MGTG4B	145	145
CSSM066	185	189
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.

Dr Christiaan Labuschagne
Genomics Manager

02 July 2026

Date

**See disclaimer on reverse side





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	FC230056
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114314-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210014
Breed	Droughtmaster
DNA Profile Certificate Number	7628U019

&

Female

Animal ID/Name	FC200082
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2022-31696-DC

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 July 2026
Date

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**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 PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230058
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114315

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	77
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	209	211
ILSTS011	266	266
SPS113	Not Detected	
RM067	90	90
TGLA126	115	123
TGLA122	137	151
INRA023	198	202

STR Marker	Allele 1	Allele 2
BM1818	266	266
ETH003	115	117
ETH225	148	158
BM1824	182	182
SPS115	252	260
CSRM060	92	92
MGTG4B	137	143
CSSM066	181	181
ILSTS006	293	293

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
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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230058
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114315-DC

qualifies as the offspring of

Male

Animal ID/Name	AGO160206
Breed	Droughtmaster
DNA Profile Certificate Number	A362554

&

Female

Animal ID/Name	FC180034
Breed	DROUGHTMASTER
DNA Profile Certificate Number	ZOBOS20-05287-DC

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 July 2026
Date

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	FC230108
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114316

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	91
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	213	221
ILSTS011	266	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	109	115
TGLA122	137	183
INRA023	202	214

STR Marker	Allele 1	Allele 2
BM1818	266	270
ETH003	117	119
ETH225	140	140
BM1824	192	192
SPS115	248	256
CSRM060	92	102
MGTG4B	137	139
CSSM066	185	199
ILSTS006	288	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.



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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230108
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114316-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210007
Breed	Droughtmaster
DNA Profile Certificate Number	7628U014

&

Female

Animal ID/Name	FC190054
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2021-17279

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 July 2026
Date

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DNA PROFILE CERTIFICATE

General Information:

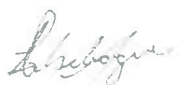
Test Animal	
ANIMAL ID/NAME	FC230083
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114317

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	89
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	211	211
ILSTS011	266	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	115	125
TGLA122	137	145
INRA023	202	214

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	115	115
ETH225	140	158
BM1824	182	192
SPS115	248	254
CSRM060	92	102
MGTG4B	135	145
CSSM066	181	185
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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Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230083
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114317-DC

qualifies as the offspring of

Male

Animal ID/Name	CSA210014
Breed	Droughtmaster
DNA Profile Certificate Number	7628U019

&

Female

Animal ID/Name	FC190066
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2021-17281

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.

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02 July 2026
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CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	FC Durow Trust	Print Date:	2026/07/02
Telephone No.:	083 309 9022	Date received:	2026/06/22
E-mail address:	durowtrust@gmail.com	No. samples:	22

Description of Procedure

Molecular genotyping for Double Muscling (Myostatin: F94L, Q204X and Nt821). The genotype for each known mutation region is presented below where WT refers to the wild type genotype and MUT refers to the mutated genotype. All mutant genotypes will be highlighted in red.

Lab No.	Sample ID	Double Muscling (Myostatin)					
		Q204X		Nt821		F94L	
ZOCA2026-114302	FC230135	WT	WT	WT	MUT	WT	WT
ZOCA2026-114303	FC240047	WT	WT	WT	WT	WT	WT
ZOCA2026-114304	FC230111	WT	WT	WT	WT	WT	WT
ZOCA2026-114305	CSA241001	WT	WT	WT	WT	WT	WT
ZOCA2026-114306	FC230079	WT	WT	WT	WT	WT	WT
ZOCA2026-114307	FC230109	WT	WT	WT	MUT	WT	WT
ZOCA2026-114308	FC230067	WT	WT	WT	WT	WT	WT
ZOCA2026-114309	FC230131	WT	WT	WT	MUT	WT	WT
ZOCA2026-114310	FC240038	WT	WT	WT	WT	WT	WT
ZOCA2026-114311	FC230116	WT	WT	WT	WT	WT	WT
ZOCA2026-114312	FC240025	WT	WT	WT	MUT	WT	WT
ZOCA2026-114313	FC240001	WT	WT	WT	MUT	WT	WT
ZOCA2026-114314	FC230056	WT	WT	WT	WT	WT	WT
ZOCA2026-114315	FC230058	WT	WT	WT	WT	WT	WT
ZOCA2026-114316	FC230108	WT	WT	WT	WT	WT	WT
ZOCA2026-114317	FC230083	WT	WT	WT	WT	WT	WT
ZOCA2026-114318	CSA231003	WT	WT	WT	WT	WT	WT
ZOCA2026-114319	CSA231013	WT	WT	WT	WT	WT	WT
ZOCA2026-114320	CSA231008	WT	WT	WT	WT	WT	WT
ZOCA2026-114321	CSA231004	WT	WT	WT	WT	WT	WT
ZOCA2026-114322	CSA231012	WT	WT	WT	WT	WT	WT
ZOCA2026-114323	CSA231010	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Rieze Straeuli
Analyst

2026/07/02

Date

PARENTAGE SUMMARY

OFFSPRING TESTED		QUALIFYING MOTHER		QUALIFYING FATHER	
OFFSPRING ID	ID TAG	MOTHER ID	ID TAG	FATHER ID	ID TAG
ZOCA2026-114302	FC230135	ZOCA2024-72210	TS160326	A362554	AGO160206
ZOCA2026-114303	FC240047	A510693	CSA180056	A362554	AGO160206
ZOCA2026-114304	FC230111	ZOCA2022-31678	FC200045	7628U014	CSA210007
ZOCA2026-114305	CSA241001	A412907	CSA160106	7628U004	CSA200048
ZOCA2026-114306	FC230079	ZOCA2022-31654	FC200118	7628U014	CSA210007
ZOCA2026-114307	FC230109	ZOCA2022-31692	FC200120	7628U019	CSA210014
ZOCA2026-114308	FC230067	ZOCA2022-31707	FC200122	7628U019	CSA210014
ZOCA2026-114309	FC230131	ZOCA2021-17303	FC190033	A362554	AGO160206
ZOCA2026-114310	FC240038	ZOCA2024-72208	TS160310	7628U019	CSA210014
ZOCA2026-114311	FC230116	ZOBOS19-05273	FC170321	A362554	AGO160206
ZOCA2026-114312	FC240025	ZOCA2022-31706	FC200108	A362554	AGO160206
ZOCA2026-114313	FC240001	ZOCA2023-49534	FC210021	A550755	CSA190006
ZOCA2026-114314	FC230056	ZOCA2022-31696	FC200082	7628U019	CSA210014
ZOCA2026-114315	FC230058	ZOBOS20-05287	FC180034	A362554	AGO160206
ZOCA2026-114316	FC230108	ZOCA2021-17279	FC190054	7628U014	CSA210007
ZOCA2026-114317	FC230083	ZOCA2021-17281	FC190066	7628U019	CSA210014



Rieze Straeuli

Analyst

Print Date:

2026/07/02



Dr Christiaan Labuschagne

Genomics Manager

Print Date:

2026/07/02

* More than one qualifying mother and/ or father identified for offspring

** Either mother or father can qualify as parent; no parent pair identified

Most likely parent allocated from parent list provided. No statistical support.

Disclaimer

Parentage is performed using the sire and dam list provided by the client.

It is the responsibility of the client to provide ZooOmics with all potential sire and/or dam candidates. This includes all AI bulls and cover bulls. Should any extra sire and/or dam candidates be added in the future, the parentage assignments may change. ZooOmics (a division of Inqaba Biotechnical Industries Pty Ltd) does not accept responsibility for the effect of any false assignments due to absent candidate sires and/or dams.

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.

This is a parentage summary, summarising the potential parentage assignments for a specific order and not an official parentage certificate. Finalised results are sent on official certificates.

This parentage summary supersedes any previously issued parentage summaries.

DNA PROFILE CERTIFICATE

General Information:

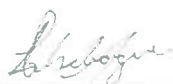
Test Animal	
ANIMAL ID/NAME	FC230135
BREED	Droughtmaster
SPECIES	Cattle
GENDER	Male
OWNER	Niel Durow
LAB. NO	ZOCA2026-114302

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	93
BM2113	Not Detected	
TGLA053	Not Detected	
ETH10	213	217
ILSTS011	261	268
SPS113	Not Detected	
RM067	Not Detected	
TGLA126	115	125
TGLA122	137	151
INRA023	202	206

STR Marker	Allele 1	Allele 2
BM1818	266	266
ETH003	121	125
ETH225	148	158
BM1824	182	188
SPS115	248	250
CSRM060	92	104
MGTG4B	139	151
CSSM066	179	185
ILSTS006	292	297

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 July 2026

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Postal Address: PO Box 14356, Hatfield, Pretoria 0028

DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	FC230135
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2026-114302-DC

qualifies as the offspring of

Male

Animal ID/Name	AGO160206
Breed	Droughtmaster
DNA Profile Certificate Number	A362554

&

Female

Animal ID/Name	TS160326
Breed	Droughtmaster
DNA Profile Certificate Number	ZOCA2024-72210-DC

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

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