



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	JJP240031
BREED	Boran
SPECIES	Bovine
GENDER	Boran
OWNER	JJ Prinsloo
LAB. NO	ZOCA2025-103504

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	79
BM2113	135	141
TGLA053	166	174
ETH10	209	209
ILSTS011	261	261
SPS113	147	153
RM067	90	90
TGLA126	117	117
TGLA122	145	145
INRA023	198	198

STR Marker	Allele 1	Allele 2
BM1818	264	272
ETH003	117	125
ETH225	140	158
BM1824	180	192
SPS115	248	248
CSRM060	92	110
MGTG4B	137	149
CSSM066	187	189
ILSTS006	296	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

08 December 2025

Date

**See disclaimer on reverse side





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DNA PARENTAGE CERTIFICATE

Test Animal

Animal ID/Name	JJP240031
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-103504-DC

qualifies as the offspring of

Male

Animal ID/Name	JJP200535
Breed	Boran
DNA Profile Certificate Number	ZOCA2024-66016-DC

&

Female

Animal ID/Name	JJP220015
Breed	Boran
DNA Profile Certificate Number	ZOCA2024-80873-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

09 December 2025

Date

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DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	JJP240038
BREED	Boran
SPECIES	Bovine
GENDER	Boran
OWNER	JJ Prinsloo
LAB. NO	ZOCA2025-103505

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	87
BM2113	129	141
TGLA053	166	184
ETH10	209	209
ILSTS011	261	268
SPS113	141	327
RM067	Not Detected	
TGLA126	Not Detected	
TGLA122	137	149
INRA023	Not Detected	

STR Marker	Allele 1	Allele 2
BM1818	264	272
ETH003	117	129
ETH225	150	154
BM1824	178	178
SPS115	248	248
CSRM060	92	110
MGTG4B	Not Detected	
CSSM066	187	189
ILSTS006	292	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	JJP240038
Breed	Boran
DNA Profile Certificate Number	ZOCA2025-103505-DC

qualifies as the offspring of

Male

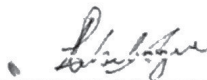
Animal ID/Name	JJP180508
Breed	Boran
DNA Profile Certificate Number	3514U001

&

Female

Animal ID/Name	JJP210037
Breed	Boran
DNA Profile Certificate Number	ZOCA2024-80865-DC

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Genomics Manager

08 December 2025

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