

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	KBS190070
BREED	BONSMARA
SPECIES	BOVINE
GENDER	Male
OWNER	ANDRIES KRUGER
LAB. NO	ZOCA2021-11826_R

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	87	93
BM2113	133	139
TGLA053	158	160
ETH10	211	211
ILSTS011	261	268
SPS113	Not Detected	
RM067	90	102
TGLA126	115	117
TGLA122	137	143
INRA023	208	208

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	117	125
ETH225	144	158
BM1824	180	182
SPS115	248	261
CSRM060	92	96
MG TG4B	137	147
CSSM066	187	189
ILSTS006	288	288

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

01 July 2026

Date

****See disclaimer on reverse side**

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	REV200089
BREED	Bonsmara
SPECIES	Bovine
GENDER	Male
OWNER	Elbert de Kock
LAB. NO	ZOCA2026-114703_c

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	93	97
BM2113	125	139
TGLA053	162	170
ETH10	211	221
ILSTS011	264	268
SPS113	141	153
RM067	90	90
TGLA126	117	125
TGLA122	137	143
INRA023	198	214

STR Marker	Allele 1	Allele 2
BM1818	264	266
ETH003	121	121
ETH225	146	151
BM1824	180	192
SPS115	248	260
CSRM060	92	100
MGTG4B	135	135
CSSM066	187	189
ILSTS006	284	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

01 July 2026

Date

****See disclaimer on reverse side**