

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	BWJ110057
MICROCHIP NUMBER	Not Provided
SPECIES	CATTLE
GENDER	MALE
OWNER	JACO B J ENGELBRECHT
LAB. NO	C17-14300

DNA Profiling* Results:

STR Marker	Allele 1	Allele 2
TGLA227	77	89
BM2113	133	139
TGLA053	160	180
ETH10	219	221
ILSTS011	266	268
SPS113	141	141
RM067	90	92
TGLA126	115	125
TGLA122	143	149
INRA023	208	214

STR Marker	Allele 1	Allele 2
BM1818	262	266
ETH003	121	125
ETH225	140	148
BM1824	180	192
SPS115	248	248
CSRM060	100	102
MGTG4B	137	137
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.



Analyst 1

11 Oct 2017

Date



Analyst 2

11 Oct 2017

Date

**See disclaimer on reverse side