

DNA PROFILE CERTIFICATE

General Information:

Test Animal	
ANIMAL ID/NAME	BL180044
BREED	Charolais
SPECIES	Bovine
GENDER	Male
OWNER	
LAB. NO	ZOCA2022-30616

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	81	83
BM2113	127	137
TGLA053	Not Detected	
ETH10	217	217
ILSTS011	266	268
SPS113	Not Detected	
RM067	92	96
TGLA126	115	117
TGLA122	147	157
INRA023	206	218

STR Marker	Allele 1	Allele 2
BM1818	262	264
ETH003	117	125
ETH225	148	148
BM1824	182	188
SPS115	248	256
CSRM060	100	102
MG TG4B	135	147
CSSM066	183	189
ILSTS006	Not Detected	

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

22 July 2024

Date

****See disclaimer on reverse side**

ISAG 
Institutional Member

CVML15/AG/00226

06-Mar-15



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CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Zelphy 2648 PTY LTD	Print Date:	2022/05/05
Telephone No.:	0828226561	Date received:	2022/04/14
E-mail address:	madde@mweb.co.za	No. samples:	32

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)					
		F94L		Q204X		Nt821	
ZOCA2022/30585	MC18-154	WT	WT	WT	WT	WT	WT
ZOCA2022/30586	MC18-170	WT	WT	WT	WT	WT	WT
ZOCA2022/30587	WSV14-58	WT	WT	WT	Mut	WT	WT
ZOCA2022/30588	WSV19-50	WT	WT	WT	WT	WT	WT
ZOCA2022/30589	WSV19-150	WT	WT	WT	WT	WT	WT
ZOCA2022/30590	WSV19-179	WT	WT	WT	WT	WT	WT
ZOCA2022/30591	WSV19-144	WT	WT	WT	WT	WT	WT
ZOCA2022/30592	WSV19-88	WT	WT	WT	WT	WT	WT
ZOCA2022/30593	WSV19-109	WT	WT	WT	WT	WT	WT
ZOCA2022/30594	WSV19-69	WT	WT	WT	WT	WT	WT
ZOCA2022/30595	WSV20-20	WT	WT	WT	WT	WT	WT
ZOCA2022/30596	NFS18-152	WT	WT	WT	WT	WT	WT
ZOCA2022/30597	NFS19-29	WT	WT	WT	WT	WT	WT
ZOCA2022/30598	NFS19-93	WT	WT	WT	WT	WT	WT
ZOCA2022/30599	WSV18-43	WT	WT	WT	WT	WT	WT
ZOCA2022/30600	WSV18-45	WT	WT	WT	WT	WT	WT
ZOCA2022/30602	WSV19-63	WT	WT	WT	WT	WT	WT
ZOCA2022/30603	WSV19-74	WT	WT	WT	WT	WT	WT
ZOCA2022/30604	WSV19-106	WT	WT	WT	WT	WT	WT
ZOCA2022/30605	WSV19-124	WT	WT	WT	WT	WT	WT
ZOCA2022/30606	WSV19-75	WT	WT	WT	WT	WT	Mut
ZOCA2022/30607	WSV19-206	WT	WT	WT	WT	WT	WT
ZOCA2022/30608	WSV19-121	WT	Mut	WT	WT	WT	WT
ZOCA2022/30609	WSV19-115	WT	WT	WT	WT	WT	WT
ZOCA2022/30610	WSV19-152	WT	WT	WT	WT	WT	WT

ZOCA2022/30611	WSV19-72	WT	WT	WT	WT	WT	WT
ZOCA2022/30612	WSV19-64	WT	WT	WT	WT	WT	WT
ZOCA2022/30613	BL1872	WT	WT	WT	WT	WT	WT
ZOCA2022/30614	BL18-79	WT	WT	WT	WT	WT	WT
ZOCA2022/30615	BL15-16	WT	WT	WT	WT	WT	WT
ZOCA2022/30616	BL18-44	WT	WT	WT	WT	WT	WT
ZOCA2022/30617	BL14-56	WT	WT	WT	WT	WT	WT



Dr Christiaan Labuschagne
Genomics Manager

2022/05/05

Date

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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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The DNA profile is based on a preliminary marker panel that is subject to modification pending additional genetic information;

It is the sender's responsibility to obtain permits when sending samples where required;

Inqaba Biotechnical Industries Pty Ltd and the divisions thereof reserves the right to decline testing of samples;

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	DS180307
MICROCHIP NUMBER	-
SPECIES	CATTLE
GENDER	M
OWNER	ZELPY 2648 PTY LTD
LAB. NO	ZOBOS20-07177

DNA Profiling Results:

STR Marker	Allele 1	Allele 2
TGLA227	87	91
BM2113	131	139
TGLA053	Not Detected	
ETH10	217	219
ILSTS011	Not Detected	
SPS113	Not Detected	
RM067	90	90
TGLA126	Not Detected	
TGLA122	143	151
INRA023	212	214

STR Marker	Allele 1	Allele 2
BM1818	Not Detected	
ETH003	117	117
ETH225	148	148
BM1824	180	180
SPS115	248	254
CSRM060	102	112
MGTG4B	135	135
CSSM066	183	183
ILSTS006	Not Detected	

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

12 September 2020

Date

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ISAG
Institutional Member

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CATTLE MUTATION ANALYSIS REPORT

Order Information			
Name:	Zelphy 2648 PTY LTD	Print Date:	2022/07/14
Telephone No.:	0828226561	Date received:	2022/07/01
E-mail address:	madde@mweb.co.za	No. samples:	41

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	
ZOCA2022-33812	JSM180021	WT	WT	WT	WT	WT	WT
ZOCA2022-33813	WSV200026	WT	WT	WT	WT	WT	WT
ZOCA2022-33814	WSV200039	WT	MUT	WT	WT	WT	WT
ZOCA2022-33815	WSV200050	WT	WT	WT	WT	WT	WT
ZOCA2022-33816	WSV200043	WT	WT	WT	WT	WT	WT
ZOCA2022-33817	WSV200205	WT	WT	WT	WT	WT	WT
ZOCA2022-33818	WSV200067	WT	WT	WT	WT	WT	WT
ZOCA2022-33819	WSV200084	WT	MUT	WT	WT	WT	WT
ZOCA2022-33820	WSV200082	WT	MUT	WT	WT	WT	WT
ZOCA2022-33821	WSV200086	WT	WT	WT	WT	WT	WT
ZOCA2022-33822	WSV200074	WT	WT	WT	WT	WT	WT
ZOCA2022-33823	WSV200069	WT	WT	WT	WT	WT	WT
ZOCA2022-33824	WSV200063	WT	WT	WT	WT	WT	WT
ZOCA2022-33825	WSV200113	WT	WT	WT	WT	WT	WT
ZOCA2022-33826	WSV200112	WT	WT	WT	WT	WT	WT
ZOCA2022-33827	WSV200162	WT	WT	WT	WT	WT	WT
ZOCA2022-33828	WSV200173	WT	WT	WT	WT	WT	WT
ZOCA2022-33829	WSV200206	WT	WT	WT	WT	WT	WT
ZOCA2022-33830	WSV200131	WT	WT	WT	WT	WT	WT
ZOCA2022-33831	WSV200231	WT	WT	WT	WT	WT	WT
ZOCA2022-33832	WSV200182	WT	WT	WT	WT	WT	WT
ZOCA2022-33833	WSV200232	WT	WT	WT	WT	WT	WT
ZOCA2022-33834	WSV200192	WT	WT	WT	WT	WT	WT
ZOCA2022-33835	WSV200193	WT	WT	WT	WT	WT	WT
ZOCA2022-33836	WSV200176	WT	WT	WT	WT	WT	WT
ZOCA2022-33837	WSV200236	WT	WT	WT	WT	WT	WT
ZOCA2022-33838	WSV200128	WT	WT	WT	WT	WT	WT

ZOCA2022-33839	WSV200076	WT	WT	WT	WT	WT	WT
ZOCA2022-33840	WSV200056	WT	WT	WT	MUT	WT	WT
ZOCA2022-33841	WSV200029	WT	MUT	WT	WT	WT	WT
ZOCA2022-33842	WSV200046	WT	MUT	WT	WT	WT	WT
ZOCA2022-33843	KBL200399	WT	WT	WT	WT	WT	WT
ZOCA2022-30425	KBL20-310	WT	WT	WT	WT	WT	WT
ZOBOS20-00452	BL190086	WT	WT	WT	WT	WT	WT
ZOBOS20-02915	BL200307	WT	WT	WT	WT	WT	WT
ZOBOS20-07172	BL200311	WT	WT	WT	WT	WT	WT
ZOBOS20-00458	KBL190073	WT	WT	WT	WT	WT	WT
ZOBOS20-00475	KBL119082	WT	WT	WT	WT	WT	WT
ZOBOS20-02918	KBL190105	WT	WT	WT	WT	WT	WT
ZOBOS20-07178	BL200317	WT	WT	WT	WT	WT	WT
ZOBOS20-07175	BL200315	WT	WT	WT	WT	WT	WT



Dr Christiaan Labuschagne
Genomics Manager

2022/07/14

Date

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