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PO Box 14356, Hatfield, Pretoria 0028

CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Thompson Farming	Print Date:	2021/07/13
Telephone No.:	051 448 6084	Date received:	2020/06/28
E-mail address:	alisonrent@nweb.co.za	No. samples:	15

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	
ZOCA2021/18571	NPT200003	WT	WT	WT		WT	
ZOCA2021/18572	NPT200009	WT	WT	WT		WT	MUT
ZOCA2021/18573	NPT200018	WT	WT	WT		WT	
ZOCA2021/18574	NPT200020	WT	WT	WT	MUT	WT	
ZOCA2021/18575	NPT200021	WT	WT	WT	MUT	WT	
ZOCA2021/18576	NPT200025	WT	WT	WT		WT	
ZOCA2021/18577	NPT200026	WT	WT	WT		WT	
ZOCA2021/18578	NPT200036	WT	WT	WT		WT	
ZOCA2021/18579	NPT200037	WT	WT	WT	MUT	WT	
ZOCA2021/18580	NPT200038	WT	WT	WT		WT	
ZOCA2021/18581	NPT200039	WT	WT	WT	MUT	WT	
ZOCA2021/18582	NPT200040	WT	WT	WT		WT	
ZOCA2021/18583	NPT200041	WT	WT	WT		WT	
ZOCA2021/18584	NPT200045	WT	WT	WT		WT	
ZOCA2021/18585	NPT200048	WT	WT	WT	MUT	WT	


Dr Christiaan Labuschagne
Genomics Manager

2021/07/13

Date

**Disclaimer

Whatever is contained in this report is subject to the following:



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CATTLE MUTATION ANALYSIS REPORT

Order Information			
Name:	Thompson Farming	Print Date:	2022/03/22
Telephone No.:	051 448 6084	Date received:	2020/08/17
E-mail address:	alisonrent@mweb.co.za	No. samples:	23

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	
ZOCA2022-29188	NPT200053	WT	WT	WT	MUT	WT	WT
ZOCA2022-29189	NPT200059	WT	WT	WT	WT	WT	WT
ZOCA2022-29190	NPT200060	WT	WT	WT	WT	WT	WT
ZOCA2022-29191	NPT200062	WT	WT	WT	WT	WT	WT
ZOCA2022-29192	NPT200080	WT	WT	WT	WT	WT	WT
ZOCA2022-29193	NPT200081	WT	WT	WT	WT	WT	WT
ZOCA2022-29194	NPT200083	WT	WT	WT	MUT	WT	WT
ZOCA2022-29195	NPT200084	WT	WT	WT	MUT	WT	WT
ZOCA2022-29196	NPT200086	WT	WT	WT	WT	WT	WT
ZOCA2022-29197	NPT200090	WT	WT	WT	WT	WT	WT
ZOCA2022-29198	NPT200093	WT	WT	WT	WT	WT	WT
ZOCA2022-29199	NPT200097	WT	WT	WT	WT	WT	WT
ZOCA2022-29200	NPT200110	WT	WT	WT	WT	WT	MUT
ZOCA2022-29201	NPT200113	WT	WT	WT	WT	WT	WT
ZOCA2022-29202	NPT200120	WT	WT	WT	WT	WT	WT
ZOCA2022-29203	NPT200121	WT	WT	WT	WT	WT	WT
ZOCA2022-29204	NPT200122	WT	WT	WT	WT	WT	WT
ZOCA2022-29205	NPT200125	WT	WT	WT	MUT	WT	WT
ZOCA2022-29206	NPT200138	WT	WT	WT	WT	WT	WT
ZOCA2022-29207	NPT200142	WT	WT	WT	WT	WT	WT
ZOCA2022-29208	NPT200143	WT	WT	WT	MUT	WT	WT
ZOCA2022-29209	NPT200147	WT	WT	WT	WT	WT	WT
ZOCA2022-29210	NPT200151	WT	WT	WT	MUT	WT	WT


Dr Christiaan Labuschagne
Genomics Manager

2022/03/22
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CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Thompson Farming	Print Date:	6/21/2022
Telephone No.:	051 448 6084	Date received:	6/3/2020
E-mail address:	alisonrent@mweb.co.za	No. samples:	15

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	
ZOCA2022-32781	NPT210003	WT	WT	WT	WT	WT	WT
ZOCA2022-32782	NPT210007	WT	WT	WT	WT	WT	WT
ZOCA2022-32783	NPT210009	WT	WT	WT	MUT	WT	WT
ZOCA2022-32784	NPT210011	WT	WT	WT	MUT	WT	WT
ZOCA2022-32785	NPT210015	WT	WT	WT	WT	WT	WT
ZOCA2022-32786	NPT210016	WT	WT	WT	MUT	WT	WT
ZOCA2022-32787	NPT210020	WT	WT	WT	MUT	WT	WT
ZOCA2022-32788	NPT210021	WT	WT	WT	WT	WT	WT
ZOCA2022-32789	NPT210022	WT	WT	WT	WT	WT	WT
ZOCA2022-32790	NPT210023	WT	WT	WT	WT	WT	WT
ZOCA2022-32791	NPT210024	WT	WT	WT	WT	WT	WT
ZOCA2022-32792	NPT210025	WT	WT	WT	MUT	WT	WT
ZOCA2022-32793	NPT210027	WT	WT	WT	MUT	WT	WT
ZOCA2022-32794	NPT210035	WT	WT	WT	MUT	WT	WT
ZOCA2022-32795	NPT210050	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

6/21/2022

Date

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DNA PROFILE CERTIFICATE

TEST ANIMAL	
Profile #	ZOCA2022/32785
Name	NPT210015
Species	Bos taurus / Bovid / Cattle
Breed	Bonsmara
Owner	Thompson Farming (THF001)
Microchip #	
Registration #	91697946

DNA Profiling Results:

STR Marker	Allele 1	Allele 2	STR Marker	Allele 1	Allele 2
TGLA227	77	87	BM1818	260	262
BM2113	133	133	ETH003	117	125
ETH10	211	211	ETH225	140	150
ILSTS011	264	268	BM1824	178	180
SPS113	139	141	SPS115	248	248
RM067	92	94	CSRM060	98	100
TGLA122	143	151	MGTG4B	135	139
INRA023	196	202	CSSM066	185	193
			ILSTS006	288	292

The DNA profile represents the true alleles obtained from STR analysis by capillary electrophoresis. The DNA profile includes all markers recommended by the International Society for Animal Genetics (ISAG, 2016) for routine canine parentage testing and identification.


Dr Christiaan Labuschagne
Genomics Manager

13.06.2022

Date

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DNA PROFILE CERTIFICATE

TEST ANIMAL	
Profile #	ZOCA2022/32789
Name	NPT210022
Species	Bos taurus / Bovid / Cattle
Breed	Bonsmara
Owner	Thompson Farming (THF001)
Microchip #	
Registration #	91698019

DNA Profiling Results:

STR Marker	Allele 1	Allele 2	STR Marker	Allele 1	Allele 2
TGLA227	77	87	INRA023	202	208
BM2113	137	139	BM1818	262	266
ETH10	211	217	ETH003	121	127
ILSTS011	266	268	ETH225	140	144
SPS113	141	147	BM1824	188	192
RM067	90	94	SPS115	248	261
TGLA126	115	117	CSRM060	98	100
TGLA122	151	183	MGTG4B	135	137
			CSSM066	187	187

The DNA profile represents the true alleles obtained from STR analysis by capillary electrophoresis. The DNA profile includes all markers recommended by the International Society for Animal Genetics (ISAG, 2016) for routine canine parentage testing and identification.


Dr Christiaan Labuschagne
Genomics Manager

13.06.2022

Date

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