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525 Justice Mahomed Str, Muckleneuk, Pretoria 0002
PO Box 14356, Hatfield, Pretoria 0028

CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Brandwater Bdy	Print Date:	2025/09/01
Telephone No.:	0837900224	Date received:	2025/08/27
E-mail address:	mari@brandwater.co.za	No. samples:	7

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	
ZOCA2025-95319	HOT240151	WT	WT	WT	WT	WT	WT
ZOCA2025-95320	HOT240153	WT	WT	WT	WT	WT	WT
ZOCA2025-95321	HOT240155	WT	WT	WT	MUT	WT	WT
ZOCA2025-95322	HOT240160	WT	WT	WT	WT	WT	WT
ZOCA2025-95323	HOT240165	WT	WT	WT	WT	WT	WT
ZOCA2025-95324	HOT240169	WT	WT	WT	WT	WT	WT
ZOCA2025-95325	HOT240179	WT	WT	WT	MUT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Analyst

2025/09/01

Date

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CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Brandwater Bdy	Print Date:	2025/09/03
Telephone No.:	0837900224	Date received:	2025/08/13
E-mail address:	mari@brandwater.co.za	No. samples:	27

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	
ZOCA2025-94993	HOT250306	WT	WT	WT	MUT	WT	WT
ZOCA2025-94994	HOT250308	WT	WT	WT	MUT	WT	WT
ZOCA2025-94995	HOT250310	WT	WT	WT	WT	WT	WT
ZOCA2025-94996	HOT250311	WT	WT	WT	MUT	WT	WT
ZOCA2025-94997	HOT250312	WT	WT	WT	MUT	WT	WT
ZOCA2025-94998	HOT250313	WT	WT	WT	MUT	WT	WT
ZOCA2025-94999	HOT250315	WT	WT	WT	WT	WT	WT
ZOCA2025-95000	HOT250316	WT	WT	WT	MUT	WT	WT
ZOCA2025-95001	HOT250317	WT	WT	WT	WT	WT	WT
ZOCA2025-95002	HOT250318	WT	WT	WT	MUT	WT	WT
ZOCA2025-95003	HOT250320	WT	WT	WT	WT	WT	WT
ZOCA2025-95004	HOT250322	WT	WT	WT	MUT	WT	WT
ZOCA2025-95005	HOT250323	WT	WT	WT	WT	WT	WT
ZOCA2025-95006	HOT250324	WT	WT	WT	WT	WT	WT
ZOCA2025-95007	HOT250325	WT	WT	WT	WT	WT	WT
ZOCA2025-95008	HOT250326	WT	WT	WT	WT	WT	WT
ZOCA2025-95009	HOT250327	WT	WT	WT	WT	WT	WT
ZOCA2025-95010	HOT250328	WT	WT	WT	MUT	WT	WT
ZOCA2025-95011	HOT250329	WT	WT	WT	WT	WT	WT
ZOCA2025-95012	HOT250330	WT	WT	WT	MUT	WT	WT
ZOCA2025-95013	HOT250331	WT	WT	WT	WT	WT	WT
ZOCA2025-95014	HOT250332	WT	WT	WT	WT	WT	WT
ZOCA2025-95015	HOT250333	WT	WT	WT	MUT	WT	WT
ZOCA2025-95016	HOT250334	WT	WT	WT	WT	WT	WT
ZOCA2025-95017	HOT250335	WT	WT	WT	WT	WT	WT
ZOCA2025-95018	HOT250336	WT	WT	WT	MUT	WT	WT
ZOCA2025-95019	HOT250337	WT	WT	WT	WT	WT	WT



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CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Brandwater Bdy	Print Date:	2025/10/21
Telephone No.:	(73) 790-0224	Date received:	2025/10/16
E-mail address:	mari@brandwater.co.za	No. samples:	42

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	
ZOCA2025-98777	HOT250338	WT	WT	WT	MUT	WT	WT
ZOCA2025-98778	HOT250339	WT	WT	WT	WT	WT	WT
ZOCA2025-98779	HOT250340	WT	WT	WT	WT	WT	WT
ZOCA2025-98780	HOT250341	WT	WT	WT	MUT	WT	WT
ZOCA2025-98781	HOT250342	WT	WT	WT	MUT	WT	WT
ZOCA2025-98782	HOT250343	WT	WT	WT	WT	WT	WT
ZOCA2025-98783	HOT250344	WT	WT	WT	WT	WT	WT
ZOCA2025-98784	HOT250345	WT	WT	WT	WT	WT	WT
ZOCA2025-98785	HOT250346	WT	WT	WT	WT	WT	WT
ZOCA2025-98786	HOT250347	WT	WT	WT	WT	WT	WT
ZOCA2025-98787	HOT250348	WT	WT	WT	WT	WT	WT
ZOCA2025-98788	HOT250349	WT	WT	WT	WT	WT	WT
ZOCA2025-98789	HOT250350	WT	WT	WT	WT	WT	WT
ZOCA2025-98790	HOT250351	WT	WT	WT	MUT	WT	WT
ZOCA2025-98791	HOT250352	WT	WT	WT	WT	WT	WT
ZOCA2025-98792	HOT250353	WT	WT	WT	MUT	WT	WT
ZOCA2025-98793	HOT250354	WT	WT	WT	WT	WT	WT
ZOCA2025-98794	HOT250355	WT	WT	WT	WT	WT	WT
ZOCA2025-98795	HOT250356	WT	WT	WT	MUT	WT	WT
ZOCA2025-98796	HOT250357	WT	WT	WT	MUT	WT	WT
ZOCA2025-98797	HOT250358	WT	WT	WT	MUT	WT	WT
ZOCA2025-98798	HOT250359	WT	WT	WT	WT	WT	WT
ZOCA2025-98799	HOT250360	WT	WT	WT	WT	WT	WT
ZOCA2025-98800	HOT250361	WT	WT	WT	WT	WT	WT
ZOCA2025-98801	HOT250362	WT	WT	WT	MUT	WT	WT
ZOCA2025-98802	HOT250363	WT	WT	WT	MUT	WT	WT
ZOCA2025-98803	HOT250364	WT	WT	WT	MUT	WT	WT
ZOCA2025-98804	HOT250365	WT	WT	WT	WT	WT	WT
ZOCA2025-98805	HOT250366	WT	WT	WT	MUT	WT	WT
ZOCA2025-98806	HOT250367	WT	WT	WT	WT	WT	WT
ZOCA2025-98807	HOT250368	WT	WT	WT	MUT	WT	WT
ZOCA2025-98808	HOT250369	WT	WT	WT	MUT	WT	WT



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CATTLE MUTATION ANALYSIS REPORT

Order Information

Name:	Brandwater Bdy	Print Date:	2026/01/20
Telephone No.:	0837900224	Date received:	2025/12/23
E-mail address:	mari@brandwater.co.za	No. samples:	12

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	
ZOCA2025-104298	HOT250380	WT	WT	WT	WT	WT	WT
ZOCA2025-104299	HOT250381	WT	WT	WT	MUT	WT	WT
ZOCA2025-104300	HOT250382	WT	WT	WT	WT	WT	WT
ZOCA2025-104301	HOT250383	WT	WT	WT	MUT	WT	WT
ZOCA2025-104302	HOT250385	WT	WT	WT	MUT	WT	WT
ZOCA2025-104303	HOT250386	WT	WT	WT	MUT	WT	WT
ZOCA2025-104304	HOT250387	WT	WT	WT	MUT	WT	WT
ZOCA2025-104305	HOT250388	WT	WT	WT	WT	WT	WT
ZOCA2025-104306	HOT250389	WT	WT	WT	MUT	WT	WT
ZOCA2025-104307	HOT250390	WT	WT	WT	WT	WT	WT
ZOCA2025-104308	HOT250392	WT	WT	WT	WT	WT	WT
ZOCA2025-104309	HOT250393	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Candice Jooste
Analyst

2026/01/20

Date

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CATTLE MUTATION ANALYSIS REPORT

Order Information			
Name:	Brandwater Bdy (Martie-Mari du Plessis)	Print Date:	2026/02/24
Telephone No.:	083 790 0224	Date received:	2026/02/18
E-mail address:	mari@brandwater.co.za	No. samples:	1

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	
ZOCA2026-107155	HOT250394	WT	WT	WT	WT	WT	WT

Dr Christiaan Labuschagne
Genomics Manager

Seyuri Rajaruthnam
Analyst

2026/02/24

Date

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