

Batch Detail Report

Batch : 11322U

Owner : HN/Christoff Pieterse/Smit
Farm : Krokkeidrift/Sebadja Bonsmaras
Account : PIEHN1
Origin : BONSMARA SA
Invoice To : Owner

Created : 2022-11-24 05:31:17 BON

SAMPLE	ANIMAL	SPECIES	BREED	DNM	SEX	FEAT	Feature Type	RESULT	INVOICE
11322U001	AG20-0004 (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U001	AG20-0004 (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U001	AG20-0004 (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U002	LAR11-0207 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U002	LAR11-0207 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U002	LAR11-0207 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U003	LAR15-0060 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U003	LAR15-0060 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U003	LAR15-0060 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 1

Unistel report these results on the promise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	VIDEO	DATE	TIME	TEST	Trace Type	RESULT	REMARKS
11322U004	LAR15-0282 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	Normal F94NOR : Myostatin - F94L Normal	
11322U004	LAR15-0282 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U004	LAR15-0282 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U005	LAR20-0483 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U005	LAR20-0483 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U005	LAR20-0483 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U006	LAR20-0485 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U006	LAR20-0485 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U006	LAR20-0485 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U007	LAR20-0496 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U007	LAR20-0496 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	

Report Date : 09-Dec-2022 10:59

Page : 2

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	IDENT	SPECIES	PRESET	TEST	TEST	Result Type	RESULT	REMARKS
11322U007	LAR20-0496 (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U008	LAR20-0535 (F,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U008	LAR20-0535 (F,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U008	LAR20-0535 (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U009	LAR21-0013 (M,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U009	LAR21-0013 (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U009	LAR21-0013 (M,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U010	LAR21-0497 (F,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U010	LAR21-0497 (F,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U010	LAR21-0497 (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U011	LAR21-0545 (F,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U011	LAR21-0545 (F,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 3

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

OWNER	Animal	Species	Breed	Sex	Site	Test	Sample Type	RESULT	REFERENCE
11322U011	LAR21-0545 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Normal nt8NOR : Myostatin - nt821 Normal	
11322U012	SBJ20-0047 (SEBADJA 20-0047) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U012	SBJ20-0047 (SEBADJA 20-0047) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U012	SBJ20-0047 (SEBADJA 20-0047) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U013	SBJ20-0072 (SEBADJA 20-0072) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U013	SBJ20-0072 (SEBADJA 20-0072) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U013	SBJ20-0072 (SEBADJA 20-0072) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U014	SBJ20-0073 (SEBADJA 20-0073) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U014	SBJ20-0073 (SEBADJA 20-0073) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U014	SBJ20-0073 (SEBADJA 20-0073) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U015	SBJ20-0083 (SEBADJA 20-0083) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 4

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	STRUCK	SPECIES	MARKER	PCR	STR	TISS	IDENTIFICATION	RESULT	ANALYSIS
11322U015	SBJ20-0083 (SEBADJA 20-0083) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U015	SBJ20-0083 (SEBADJA 20-0083) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U016	SBJ20-0087 (SEBADJA 20-0087) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U016	SBJ20-0087 (SEBADJA 20-0087) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U016	SBJ20-0087 (SEBADJA 20-0087) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U017	SBJ20-0094 (SEBADJA 20-0094) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U017	SBJ20-0094 (SEBADJA 20-0094) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U017	SBJ20-0094 (SEBADJA 20-0094) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U018	SBJ20-0099 (SEBADJA 20-0099) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U018	SBJ20-0099 (SEBADJA 20-0099) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U018	SBJ20-0099 (SEBADJA 20-0099) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U019	SBJ20-0106 (SEBADJA 20-0106) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 5

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestor. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

UNISTEL	ANIMAL	SPECIES	BREED	DATE	TEST	Time to Type	RESULT	REFERENCE
11322U019	SBJ20-0106 (SEBADJA 20-0106) (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Normal Q20HET : Myostatin - Q204X Heterozygote	
11322U019	SBJ20-0106 (SEBADJA 20-0106) (M,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U020	SBJ20-0107 (SEBADJA 20-0107) (M,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U020	SBJ20-0107 (SEBADJA 20-0107) (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U020	SBJ20-0107 (SEBADJA 20-0107) (M,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U021	SBJ20-0110 (SEBADJA 20-0110) (F,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U021	SBJ20-0110 (SEBADJA 20-0110) (F,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U021	SBJ20-0110 (SEBADJA 20-0110) (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U022	SBJ20-0111 (SEBADJA 20-0111) (M,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U022	SBJ20-0111 (SEBADJA 20-0111) (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U022	SBJ20-0111 (SEBADJA 20-0111) (M,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	

Report Date : 09-Dec-2022 10:59

Page : 6

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	SUBMITAL	SPECIES	ORIGINS	DMG	DMG	TEST	Tissue Type	RESULT	INVOICE
11322U023	SBJ20-0114 (SEBADJA 20-0114) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U023	SBJ20-0114 (SEBADJA 20-0114) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U023	SBJ20-0114 (SEBADJA 20-0114) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U024	SBJ20-0118 (SEBADJA 20-0118) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U024	SBJ20-0118 (SEBADJA 20-0118) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U024	SBJ20-0118 (SEBADJA 20-0118) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U025	SBJ20-0127 (SEBADJA 20-0127) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U025	SBJ20-0127 (SEBADJA 20-0127) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U025	SBJ20-0127 (SEBADJA 20-0127) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U026	SBJ20-0130 (SEBADJA 20-0130) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U026	SBJ20-0130 (SEBADJA 20-0130) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U026	SBJ20-0130 (SEBADJA 20-0130) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 7

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	DOB	SEX	TEST	Tissue Type	RESULT	INVOICE
								Normal	
11322U027	SBJ20-0132 (SEBADJA 20-0132) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U027	SBJ20-0132 (SEBADJA 20-0132) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U027	SBJ20-0132 (SEBADJA 20-0132) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U028	SBJ20-0135 (SEBADJA 20-0135) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U028	SBJ20-0135 (SEBADJA 20-0135) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U028	SBJ20-0135 (SEBADJA 20-0135) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U029	SBJ20-0136 (SEBADJA 20-0136) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U029	SBJ20-0136 (SEBADJA 20-0136) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U029	SBJ20-0136 (SEBADJA 20-0136) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U030	SBJ20-0138 (SEBADJA 20-0138) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U030	SBJ20-0138 (SEBADJA 20-0138) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	

Report Date : 09-Dec-2022 10:59

Page : 8

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

UNISTEL	ANIMAL	SPECIES	BRED	DOB	SEX	TEST	Tissue Type	RESULTS	INVOICE
11322U030	SBJ20-0138 (SEBADJA 20-0138) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U031	SBJ20-0146 (SEBADJA 20-0146) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U031	SBJ20-0146 (SEBADJA 20-0146) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U031	SBJ20-0146 (SEBADJA 20-0146) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U032	SBJ20-0149 (SEBADJA 20-0149) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U032	SBJ20-0149 (SEBADJA 20-0149) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U032	SBJ20-0149 (SEBADJA 20-0149) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U033	SBJ20-0151 (SEBADJA 20-0151) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U033	SBJ20-0151 (SEBADJA 20-0151) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U033	SBJ20-0151 (SEBADJA 20-0151) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U034	SBJ20-0155 (SEBADJA 20-0155) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U034	SBJ20-0155 (SEBADJA 20-0155) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 9

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestor. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

REF/ID	ANIMAL	SPECIES	PROVID	DOB	ORIG	TEST	TESTS/LOC	RESULT	REMARKS
11322U034	SBJ20-0155 (SEBADJA 20-0155) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Normal nt8NOR : Myostatin - nt821 Normal	
11322U035	SBJ20-0158 (SEBADJA 20-0158) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U035	SBJ20-0158 (SEBADJA 20-0158) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U035	SBJ20-0158 (SEBADJA 20-0158) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U036	SBJ20-0160 (SEBADJA 20-0160) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U036	SBJ20-0160 (SEBADJA 20-0160) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U036	SBJ20-0160 (SEBADJA 20-0160) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U037	SBJ20-0162 (SEBADJA 20-0162) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U037	SBJ20-0162 (SEBADJA 20-0162) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U037	SBJ20-0162 (SEBADJA 20-0162) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8HET : Myostatin - nt821 Heterozygote	
11322U038	SBJ20-0165 (SEBADJA 20-0165) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 10

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participate in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

NAME	ANIMAL	SEX/AGE	BREED	DOB	DATE	TEST	Tissue Type	RESULTS	REFERENCE
11322U038	SBJ20-0165 (SEBADJA 20-0165) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U038	SBJ20-0165 (SEBADJA 20-0165) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U039	SBJ20-0166 (SEBADJA 20-0166) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U039	SBJ20-0166 (SEBADJA 20-0166) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U039	SBJ20-0166 (SEBADJA 20-0166) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U040	SBJ20-0168 (SEBADJA 20-0168) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U040	SBJ20-0168 (SEBADJA 20-0168) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U040	SBJ20-0168 (SEBADJA 20-0168) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U041	SBJ20-0171 (SEBADJA 20-0171) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U041	SBJ20-0171 (SEBADJA 20-0171) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U041	SBJ20-0171 (SEBADJA 20-0171) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U042	SBJ20-0172 (SEBADJA 20-0172) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 11

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	AFRICA	SPECIES	GROUP	DATE	GENE	TEST	Tissue Type	RESULT	IN CASE
11322U042	SBJ20-0172 (SEBADJA 20-0172) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Normal Q20HET : Myostatin - Q204X Heterozygote	
11322U042	SBJ20-0172 (SEBADJA 20-0172) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U043	SBJ20-0174 (SEBADJA 20-0174) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U043	SBJ20-0174 (SEBADJA 20-0174) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U043	SBJ20-0174 (SEBADJA 20-0174) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U044	SBJ20-0181 (SEBADJA 20-0181) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U044	SBJ20-0181 (SEBADJA 20-0181) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U044	SBJ20-0181 (SEBADJA 20-0181) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U045	SBJ20-0185 (SEBADJA 20-0185) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U045	SBJ20-0185 (SEBADJA 20-0185) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U045	SBJ20-0185 (SEBADJA 20-0185) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	

Report Date : 09-Dec-2022 10:59

Page : 12

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporate international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SN-FILE	ANIMAL	SEX-AGE	BREED	DATE	CLINIC	TEST	Tissue Type	RESULTS	REMARKS
11322U046	SBJ20-0187 (SEBADJA 20-0187) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U046	SBJ20-0187 (SEBADJA 20-0187) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U046	SBJ20-0187 (SEBADJA 20-0187) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U047	SBJ21-0002 (SEBADJA SBJ21-0002) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U047	SBJ21-0002 (SEBADJA SBJ21-0002) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U047	SBJ21-0002 (SEBADJA SBJ21-0002) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U048	SBJ21-0004 (SEBADJA SBJ21-0004) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U048	SBJ21-0004 (SEBADJA SBJ21-0004) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U048	SBJ21-0004 (SEBADJA SBJ21-0004) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U049	SBJ21-0007 (SEBADJA SBJ21-0007) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U049	SBJ21-0007 (SEBADJA SBJ21-0007) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U049	SBJ21-0007 (SEBADJA SBJ21-0007) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 13

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	DATE	BTIC	TEST	TEST TYPE	RESULTS	INVOICE
11322U050	SBJ21-0009 (SEBADJA SBJ21-0009) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	Normal F94NOR : Myostatin - F94L Normal	
11322U050	SBJ21-0009 (SEBADJA SBJ21-0009) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U050	SBJ21-0009 (SEBADJA SBJ21-0009) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U051	SBJ21-0011 (SEBADJA SBJ21-0011) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U051	SBJ21-0011 (SEBADJA SBJ21-0011) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U051	SBJ21-0011 (SEBADJA SBJ21-0011) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U052	SBJ21-0016 (SEBADJA SBJ21-0016) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U052	SBJ21-0016 (SEBADJA SBJ21-0016) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U052	SBJ21-0016 (SEBADJA SBJ21-0016) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U053	SBJ21-0017 (SEBADJA SBJ21-0017) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U053	SBJ21-0017 (SEBADJA SBJ21-0017) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	

Report Date : 09-Dec-2022 10:59

Page : 14

Unistel report these results on the premise that the biological samples received are from the individual's nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

EDUFILE	ANIMAL	QTBONES	BONED	DAM	SEX	FEET	TAIL TYPE	REBULL	INVOICE
11322U053	SBJ21-0017 (SEBADJA SBJ21-0017) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U054	SBJ21-0020 (SEBADJA SBJ21-0020) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U054	SBJ21-0020 (SEBADJA SBJ21-0020) (V,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U054	SBJ21-0020 (SEBADJA SBJ21-0020) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U055	SBJ21-0023 (SEBADJA SBJ21-0023) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U055	SBJ21-0023 (SEBADJA SBJ21-0023) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U055	SBJ21-0023 (SEBADJA SBJ21-0023) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U056	SBJ21-0027 (SEBADJA SBJ21-0027) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U056	SBJ21-0027 (SEBADJA SBJ21-0027) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U056	SBJ21-0027 (SEBADJA SBJ21-0027) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U057	SBJ21-0028 (SEBADJA SBJ21-0028) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U057	SBJ21-0028 (SEBADJA SBJ21-0028) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 15

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	DATE	SEX	TEST	Tissue Type	RESULT	REMARK
11322U057	SBJ21-0028 (SEBADJA SBJ21-0028) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Normal nt8NOR : Myostatin - nt821 Normal	
11322U058	SBJ21-0031 (SEBADJA SBJ21-0031) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U058	SBJ21-0031 (SEBADJA SBJ21-0031) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U058	SBJ21-0031 (SEBADJA SBJ21-0031) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U059	SBJ21-0032 (SEBADJA SBJ21-0032) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U059	SBJ21-0032 (SEBADJA SBJ21-0032) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U059	SBJ21-0032 (SEBADJA SBJ21-0032) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U060	SBJ21-0033 (SEBADJA SBJ21-0033) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U060	SBJ21-0033 (SEBADJA SBJ21-0033) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U060	SBJ21-0033 (SEBADJA SBJ21-0033) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U061	SBJ21-0034 (SEBADJA SBJ21-0034) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 16

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestor. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	NUMERICAL	SPECIES	ORIGEN	DATE	ONE	TEST	Tissue Type	RESULT	INVOICE
11322U061	SBJ21-0034 (SEBADJA SBJ21-0034) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U061	SBJ21-0034 (SEBADJA SBJ21-0034) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	ntSNOR : Myostatin - nt821 Normal	
11322U062	SBJ21-0036 (SEBADJA SBJ21-0036) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U062	SBJ21-0036 (SEBADJA SBJ21-0036) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U062	SBJ21-0036 (SEBADJA SBJ21-0036) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	ntSHET : Myostatin - nt821 Heterozygote	
11322U063	SBJ21-0037 (SEBADJA SBJ21-0037) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U063	SBJ21-0037 (SEBADJA SBJ21-0037) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U063	SBJ21-0037 (SEBADJA SBJ21-0037) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	ntSNOR : Myostatin - nt821 Normal	
11322U064	SBJ21-0038 (SEBADJA SBJ21-0038) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U064	SBJ21-0038 (SEBADJA SBJ21-0038) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U064	SBJ21-0038 (SEBADJA SBJ21-0038) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	ntSNOR : Myostatin - nt821 Normal	
11322U065	SBJ21-0041 (SEBADJA SBJ21-0041) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 17

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestor. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	NUMERL	SPECIES	BREED	DATA	SEX	TEST	Match Test	COMMENT
11322U065	SBJ21-0041 (SEBADJA SBJ21-0041) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Normal Q20NOR : Myostatin - Q204X Normal
11322U065	SBJ21-0041 (SEBADJA SBJ21-0041) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U066	SBJ21-0044 (SEBADJA SBJ21-0044) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U066	SBJ21-0044 (SEBADJA SBJ21-0044) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U066	SBJ21-0044 (SEBADJA SBJ21-0044) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U067	SBJ21-0046 (SEBADJA SBJ21-0046) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U067	SBJ21-0046 (SEBADJA SBJ21-0046) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U067	SBJ21-0046 (SEBADJA SBJ21-0046) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U068	SBJ21-0047 (SEBADJA SBJ21-0047) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U068	SBJ21-0047 (SEBADJA SBJ21-0047) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U068	SBJ21-0047 (SEBADJA SBJ21-0047) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal

Report Date : 09-Dec-2022 10:59

Page : 18

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	STRIPAL	BLOODS	CREST	DATA	SEX	TEST	FAVORABLE	RESULT	REFERENCE
11322U069	SBJ21-0051 (SEBADJA SBJ21-0051) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U069	SBJ21-0051 (SEBADJA SBJ21-0051) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U069	SBJ21-0051 (SEBADJA SBJ21-0051) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U070	SBJ21-0052 (SEBADJA SBJ21-0052) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U070	SBJ21-0052 (SEBADJA SBJ21-0052) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U070	SBJ21-0052 (SEBADJA SBJ21-0052) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U071	SBJ21-0053 (SEBADJA SBJ21-0053) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U071	SBJ21-0053 (SEBADJA SBJ21-0053) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U071	SBJ21-0053 (SEBADJA SBJ21-0053) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U072	SBJ21-0055 (SEBADJA SBJ21-0055) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U072	SBJ21-0055 (SEBADJA SBJ21-0055) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U072	SBJ21-0055 (SEBADJA SBJ21-0055) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 19

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

Sample	Animal	Species	Breed	Sex	Age	Test	Sample Type	Result	Invoice
11322U073	SBJ21-0057 (SEBADJA SBJ21-0057) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	Normal	
11322U073	SBJ21-0057 (SEBADJA SBJ21-0057) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U073	SBJ21-0057 (SEBADJA SBJ21-0057) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U074	SBJ21-0061 (SEBADJA SBJ21-0061) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U074	SBJ21-0061 (SEBADJA SBJ21-0061) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U074	SBJ21-0061 (SEBADJA SBJ21-0061) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U075	SBJ21-0062 (SEBADJA SBJ21-0062) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U075	SBJ21-0062 (SEBADJA SBJ21-0062) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U075	SBJ21-0062 (SEBADJA SBJ21-0062) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U076	SBJ21-0070 (SEBADJA SBJ21-0070) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U076	SBJ21-0070 (SEBADJA SBJ21-0070) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U076	SBJ21-0070 (SEBADJA SBJ21-0070) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	

Report Date : 09-Dec-2022 10:59

Page : 20

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporate international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

TABLE	ANIMAL	SPECIES	BREED	DATE	TIME	TEST	TEST TYPE	RESULT	VOICE
11322U076	SBJ21-0070 (SEBADJA SBJ21-0070) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U077	SBJ21-0072 (SEBADJA SBJ21-0072) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U077	SBJ21-0072 (SEBADJA SBJ21-0072) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U077	SBJ21-0072 (SEBADJA SBJ21-0072) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U078	SBJ21-0077 (SEBADJA SBJ21-0077) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U078	SBJ21-0077 (SEBADJA SBJ21-0077) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U078	SBJ21-0077 (SEBADJA SBJ21-0077) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U079	SBJ21-0079 (SEBADJA SBJ21-0079) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U079	SBJ21-0079 (SEBADJA SBJ21-0079) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U079	SBJ21-0079 (SEBADJA SBJ21-0079) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U080	SBJ21-0081 (SEBADJA SBJ21-0081) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U080	SBJ21-0081 (SEBADJA SBJ21-0081) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 21

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

UNISTEL	ANIMAL	SPECIES	BREED	DATE	STR	TEST	Sample Type	RESULT	REFERENCE
								Heterozygote	
11322U080	SBJ21-0081 (SEBADJA SBJ21-0081) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - n1821 Normal	
11322U081	SBJ21-0083 (SEBADJA SBJ21-0083) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U081	SBJ21-0083 (SEBADJA SBJ21-0083) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U081	SBJ21-0083 (SEBADJA SBJ21-0083) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - n1821 Normal	
11322U082	SBJ21-0085 (SEBADJA SBJ21-0085) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U082	SBJ21-0085 (SEBADJA SBJ21-0085) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U082	SBJ21-0085 (SEBADJA SBJ21-0085) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - n1821 Normal	
11322U083	SBJ21-0086 (SEBADJA SBJ21-0086) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U083	SBJ21-0086 (SEBADJA SBJ21-0086) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U083	SBJ21-0086 (SEBADJA SBJ21-0086) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - n1821 Normal	
11322U084	SBJ21-0088 (SEBADJA SBJ21-0088) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 22

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

Sample	Animal	Species	Sex	Tag	Mark	ISD	Tissue Type	Result	Invoice
11322U084	SBJ21-0085 (SEBADJA SBJ21-0085) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U084	SBJ21-0088 (SEBADJA SBJ21-0088) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U085	SBJ21-0089 (SEBADJA SBJ21-0089) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U085	SBJ21-0089 (SEBADJA SBJ21-0089) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U085	SBJ21-0089 (SEBADJA SBJ21-0089) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U086	SBJ21-0090 (SEBADJA SBJ21-0090) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U086	SBJ21-0090 (SEBADJA SBJ21-0090) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U086	SBJ21-0090 (SEBADJA SBJ21-0090) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U087	SBJ21-0092 (SEBADJA SBJ21-0092) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U087	SBJ21-0092 (SEBADJA SBJ21-0092) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U087	SBJ21-0092 (SEBADJA SBJ21-0092) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U088	SBJ21-0093 (SEBADJA SBJ21-0093) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 23

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

NAME	ADDRESS	SPECIES	BREED	DOB	SEX	FEED	TRUNK TROP	RESULT	COPIES
11322U088	SBJ21-0093 (SEBADJA SBJ21-0093) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Normal Q20NOR : Myostatin - Q204X Normal	
11322U088	SBJ21-0093 (SEBADJA SBJ21-0093) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8HET : Myostatin - nt821 Heterozygote	
11322U089	SBJ21-0095 (SEBADJA SBJ21-0095) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U089	SBJ21-0095 (SEBADJA SBJ21-0095) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U089	SBJ21-0095 (SEBADJA SBJ21-0095) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U090	SBJ21-0096 (SEBADJA SBJ21-0096) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U090	SBJ21-0096 (SEBADJA SBJ21-0096) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U090	SBJ21-0096 (SEBADJA SBJ21-0096) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U091	SBJ21-0097 (SEBADJA SBJ21-0097) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U091	SBJ21-0097 (SEBADJA SBJ21-0097) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U091	SBJ21-0097 (SEBADJA SBJ21-0097) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	

Report Date : 09-Dec-2022 10:59

Page : 24

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

UNISTEL	ANIMAL	SPECIES	BREED	DOB	SEX	TEST	Tissue Type	RESULT	MARKING
11322U092	SBJ21-0098 (SEBADJA SBJ21-0098) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U092	SBJ21-0098 (SEBADJA SBJ21-0098) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U092	SBJ21-0098 (SEBADJA SBJ21-0098) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U093	SBJ21-0101 (SEBADJA SBJ21-0101) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U093	SBJ21-0101 (SEBADJA SBJ21-0101) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U093	SBJ21-0101 (SEBADJA SBJ21-0101) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U094	SBJ21-0102 (SEBADJA SBJ21-0102) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U094	SBJ21-0102 (SEBADJA SBJ21-0102) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U094	SBJ21-0102 (SEBADJA SBJ21-0102) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U095	SBJ21-0104 (SEBADJA SBJ21-0104) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U095	SBJ21-0104 (SEBADJA SBJ21-0104) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U095	SBJ21-0104 (SEBADJA SBJ21-0104) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 25

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

UNISTEL	ANIMAL	SPECIES	BREED	DATE	DATE	TEST	TEST TYPE	RESULT	REMARKS
11322U096	SBJ21-0105 (SEBADJA SBJ21-0105) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	Normal F94NOR : Myostatin - F94L Normal	
11322U096	SBJ21-0105 (SEBADJA SBJ21-0105) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U096	SBJ21-0105 (SEBADJA SBJ21-0105) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U097	SBJ21-0106 (SEBADJA SBJ21-0106) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U097	SBJ21-0106 (SEBADJA SBJ21-0106) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U097	SBJ21-0106 (SEBADJA SBJ21-0106) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U098	SBJ21-0108 (SEBADJA SBJ21-0108) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U098	SBJ21-0108 (SEBADJA SBJ21-0108) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U098	SBJ21-0108 (SEBADJA SBJ21-0108) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U099	SBJ21-0109 (SEBADJA SBJ21-0109) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U099	SBJ21-0109 (SEBADJA SBJ21-0109) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	

Report Date : 09-Dec-2022 10:59

Page : 26

Unistel report these results on the promise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	FACTORS	SPECIES	BREED	DATE	TEST	Test Type	RESULT	INFO/CC
11322U099	SBJ21-0109 (SEBADJA SBJ21-0109) (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U100	SBJ21-0110 (SEBADJA SBJ21-0110) (F,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U100	SBJ21-0110 (SEBADJA SBJ21-0110) (F,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U100	SBJ21-0110 (SEBADJA SBJ21-0110) (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U101	SBJ21-0111 (SEBADJA SBJ21-0111) (M,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U101	SBJ21-0111 (SEBADJA SBJ21-0111) (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U101	SBJ21-0111 (SEBADJA SBJ21-0111) (M,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U102	SBJ21-0112 (SEBADJA SBJ21-0112) (F,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U102	SBJ21-0112 (SEBADJA SBJ21-0112) (F,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U102	SBJ21-0112 (SEBADJA SBJ21-0112) (F,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U103	SBJ21-0113 (SEBADJA SBJ21-0113) (M,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U103	SBJ21-0113 (SEBADJA SBJ21-0113) (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 27

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	DAVID	DATE	TEST	TRACER CODE	RESULT	DATE
11322U103	SBJ21-0113 (SEBADJA SBJ21-0113) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Normal nt8NOR : Myostatin - nt821 Normal	
11322U104	SBJ21-0114 (SEBADJA SBJ21-0114) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U104	SBJ21-0114 (SEBADJA SBJ21-0114) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U104	SBJ21-0114 (SEBADJA SBJ21-0114) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U105	SBJ21-0117 (SEBADJA SBJ21-0117) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U105	SBJ21-0117 (SEBADJA SBJ21-0117) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U105	SBJ21-0117 (SEBADJA SBJ21-0117) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U106	SBJ21-0119 (SEBADJA SBJ21-0119) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U106	SBJ21-0119 (SEBADJA SBJ21-0119) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U106	SBJ21-0119 (SEBADJA SBJ21-0119) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U107	SBJ21-0120 (SEBADJA SBJ21-0120) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 28

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	SERIAL	SPECIES	BREED	MARK	MARK	TEST	Tissue Type	RESULTS	INVOICE
11322U107	SBJ21-0120 (SEBADJA SBJ21-0120) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U107	SBJ21-0120 (SEBADJA SBJ21-0120) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U108	SBJ21-0121 (SEBADJA SBJ21-0121) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U108	SBJ21-0121 (SEBADJA SBJ21-0121) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U108	SBJ21-0121 (SEBADJA SBJ21-0121) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U109	SBJ21-0122 (SEBADJA SBJ21-0122) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U109	SBJ21-0122 (SEBADJA SBJ21-0122) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U109	SBJ21-0122 (SEBADJA SBJ21-0122) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U110	SBJ21-0123 (SEBADJA SBJ21-0123) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U110	SBJ21-0123 (SEBADJA SBJ21-0123) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U110	SBJ21-0123 (SEBADJA SBJ21-0123) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U111	SBJ21-0125 (SEBADJA SBJ21-0125) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 29

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	DMG	QMG	ESR	TUBER 1, 2, 3	RESULTS	REFERENCE
11322U111	SBJ21-0125 (SEBADJA SBJ21-0125) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U111	SBJ21-0125 (SEBADJA SBJ21-0125) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U112	SBJ21-0126 (SEBADJA SBJ21-0126) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U112	SBJ21-0126 (SEBADJA SBJ21-0126) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U112	SBJ21-0126 (SEBADJA SBJ21-0126) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U113	SBJ21-0127 (SEBADJA SBJ21-0127) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U113	SBJ21-0127 (SEBADJA SBJ21-0127) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U113	SBJ21-0127 (SEBADJA SBJ21-0127) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U114	SBJ21-0128 (SEBADJA SBJ21-0128) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U114	SBJ21-0128 (SEBADJA SBJ21-0128) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U114	SBJ21-0128 (SEBADJA SBJ21-0128) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	

Report Date : 09-Dec-2022 10:59

Page : 30

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

ANIMAL	ANIMAL	SPECIES	BREED	DATE	TIME	TEST	Result Type	RESULT	BY/VOICE
11322U115	SBJ21-0133 (SEBADJA SBJ21-0133) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U115	SBJ21-0133 (SEBADJA SBJ21-0133) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U115	SBJ21-0133 (SEBADJA SBJ21-0133) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U116	SBJ21-0134 (SEBADJA SBJ21-0134) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U116	SBJ21-0134 (SEBADJA SBJ21-0134) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U116	SBJ21-0134 (SEBADJA SBJ21-0134) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U117	SBJ21-0135 (SEBADJA SBJ21-0135) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U117	SBJ21-0135 (SEBADJA SBJ21-0135) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U117	SBJ21-0135 (SEBADJA SBJ21-0135) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U118	SBJ21-0136 (SEBADJA SBJ21-0136) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U118	SBJ21-0136 (SEBADJA SBJ21-0136) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U118	SBJ21-0136 (SEBADJA SBJ21-0136) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 31

Unistel report these results on the promise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	SEX	TYPE	FLUID	TEST	RESULT	REMARKS
11322U119	SBJ21-0139 (SEBADJA SBJ21-0139) (F,1)	CATTLE	BONSMARA (1)				DMG-1_C	Hair	Normal F94NOR : Myostatin - F94L Normal
11322U119	SBJ21-0139 (SEBADJA SBJ21-0139) (F,1)	CATTLE	BONSMARA (1)				DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote
11322U119	SBJ21-0139 (SEBADJA SBJ21-0139) (F,1)	CATTLE	BONSMARA (1)				DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U120	SBJ21-0140 (SEBADJA SBJ21-0140) (F,1)	CATTLE	BONSMARA (1)				DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U120	SBJ21-0140 (SEBADJA SBJ21-0140) (F,1)	CATTLE	BONSMARA (1)				DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U120	SBJ21-0140 (SEBADJA SBJ21-0140) (F,1)	CATTLE	BONSMARA (1)				DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U121	SBJ21-0141 (SEBADJA SBJ21-0141) (F,1)	CATTLE	BONSMARA (1)				DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U121	SBJ21-0141 (SEBADJA SBJ21-0141) (F,1)	CATTLE	BONSMARA (1)				DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U121	SBJ21-0141 (SEBADJA SBJ21-0141) (F,1)	CATTLE	BONSMARA (1)				DMG-3_C	Hair	nt8HET : Myostatin - nt821 Heterozygote
11322U122	SBJ21-0143 (SEBADJA SBJ21-0143) (F,1)	CATTLE	BONSMARA (1)				DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U122	SBJ21-0143 (SEBADJA SBJ21-0143) (F,1)	CATTLE	BONSMARA (1)				DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote

Report Date : 09-Dec-2022 10:59

Page : 32

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participate in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

CAUTION	ANIMAL	SPECIES	BREED	SEX	AGE	TEST	Sample Type	Result	IN-CDT
11322U122	SBJ21-0143 (SEBADJA SBJ21-0143) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - nt821 Normal	
11322U123	SBJ21-0145 (SEBADJA SBJ21-0145) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U123	SBJ21-0145 (SEBADJA SBJ21-0145) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U123	SBJ21-0145 (SEBADJA SBJ21-0145) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - nt821 Normal	
11322U124	SBJ21-0146 (SEBADJA SBJ21-0146) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U124	SBJ21-0146 (SEBADJA SBJ21-0146) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U124	SBJ21-0146 (SEBADJA SBJ21-0146) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - nt821 Normal	
11322U125	SBJ21-0147 (SEBADJA SBJ21-0147) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U125	SBJ21-0147 (SEBADJA SBJ21-0147) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U125	SBJ21-0147 (SEBADJA SBJ21-0147) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	n18NOR : Myostatin - nt821 Normal	
11322U126	SBJ21-0150 (SEBADJA SBJ21-0150) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U126	SBJ21-0150 (SEBADJA SBJ21-0150) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 33

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	CLIENT	SPECIES	BREED	DNA	DATE	TEST	Panel Type	RESULT	REMARKS
11322U126	SBJ21-0150 (SEBADJA SBJ21-0150) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	Heterozygote nt8NOR : Myostatin - nt821 Normal	
11322U127	SBJ21-0151 (SEBADJA SBJ21-0151) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U127	SBJ21-0151 (SEBADJA SBJ21-0151) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U127	SBJ21-0151 (SEBADJA SBJ21-0151) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U128	SBJ21-0152 (SEBADJA SBJ21-0152) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U128	SBJ21-0152 (SEBADJA SBJ21-0152) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U128	SBJ21-0152 (SEBADJA SBJ21-0152) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U129	SBJ21-0154 (SEBADJA SBJ21-0154) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U129	SBJ21-0154 (SEBADJA SBJ21-0154) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U129	SBJ21-0154 (SEBADJA SBJ21-0154) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8HET : Myostatin - nt821 Heterozygote	
11322U130	SBJ21-0155 (SEBADJA SBJ21-0155) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 34

Unistel report these results on the promise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

REF ID	ANIMAL	SPECIES	STRIP	SNIP	DATE	TEST	Sample Type	RESULT	REFERENCE
11322U130	SBJ21-0155 (SEBADJA SBJ21-0155) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U130	SBJ21-0155 (SEBADJA SBJ21-0155) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U131	SBJ21-0158 (SEBADJA SBJ21-0158) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U131	SBJ21-0158 (SEBADJA SBJ21-0158) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U131	SBJ21-0158 (SEBADJA SBJ21-0158) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U132	SBJ21-0159 (SEBADJA SBJ21-0159) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U132	SBJ21-0159 (SEBADJA SBJ21-0159) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U132	SBJ21-0159 (SEBADJA SBJ21-0159) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U133	SBJ21-0160 (SEBADJA SBJ21-0160) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U133	SBJ21-0160 (SEBADJA SBJ21-0160) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U133	SBJ21-0160 (SEBADJA SBJ21-0160) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U134	SBJ21-0164 (SEBADJA SBJ21-0164) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 35

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

Sample	Animal	Species	Owner	Sex	Color	Test	Tissue Type	Result
11322U134	SBJ21-0164 (SEBADJA SBJ21-0164) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Normal Q20HET : Myostatin - Q204X Heterozygote
11322U134	SBJ21-0164 (SEBADJA SBJ21-0164) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U135	SBJ21-0166 (SEBADJA SBJ21-0166) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U135	SBJ21-0166 (SEBADJA SBJ21-0166) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U135	SBJ21-0166 (SEBADJA SBJ21-0166) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U136	SBJ21-0168 (SEBADJA SBJ21-0168) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U136	SBJ21-0168 (SEBADJA SBJ21-0168) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote
11322U136	SBJ21-0168 (SEBADJA SBJ21-0168) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal
11322U137	SBJ21-0170 (SEBADJA SBJ21-0170) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal
11322U137	SBJ21-0170 (SEBADJA SBJ21-0170) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal
11322U137	SBJ21-0170 (SEBADJA SBJ21-0170) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal

Report Date : 09-Dec-2022 10:59

Page : 36

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestor. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	WEED	DMG	CHN	TEST	Tissue Type	RESULT	INVOICE
11322U138	SBJ21-0171 (SEBADJA SBJ21-0171) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U138	SBJ21-0171 (SEBADJA SBJ21-0171) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U138	SBJ21-0171 (SEBADJA SBJ21-0171) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8HET : Myostatin - nt821 Heterozygote	
11322U139	SBJ21-0173 (SEBADJA SBJ21-0173) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U139	SBJ21-0173 (SEBADJA SBJ21-0173) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U139	SBJ21-0173 (SEBADJA SBJ21-0173) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U140	SBJ21-0175 (SEBADJA SBJ21-0175) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U140	SBJ21-0175 (SEBADJA SBJ21-0175) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U140	SBJ21-0175 (SEBADJA SBJ21-0175) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U141	SBJ21-0176 (SEBADJA SBJ21-0176) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U141	SBJ21-0176 (SEBADJA SBJ21-0176) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U141	SBJ21-0176 (SEBADJA SBJ21-0176) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821	

Report Date : 09-Dec-2022 10:59

Page : 37

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	BREED	SEX	AGE	TEST	Tissue Type	RESULT	REMARK
11322U142	SBJ21-0177 (SEBADJA SBJ21-0177) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	Normal F94NOR : Myostatin - F94L Normal	
11322U142	SBJ21-0177 (SEBADJA SBJ21-0177) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U142	SBJ21-0177 (SEBADJA SBJ21-0177) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U143	SBJ21-0178 (SEBADJA SBJ21-0178) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U143	SBJ21-0178 (SEBADJA SBJ21-0178) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U143	SBJ21-0178 (SEBADJA SBJ21-0178) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U144	SBJ21-0179 (SEBADJA SBJ21-0179) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U144	SBJ21-0179 (SEBADJA SBJ21-0179) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U144	SBJ21-0179 (SEBADJA SBJ21-0179) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U145	SBJ21-0180 (SEBADJA SBJ21-0180) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U145	SBJ21-0180 (SEBADJA SBJ21-0180) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	

Report Date : 09-Dec-2022 10:59

Page : 38

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	STRONG	DMG	STR	TEST	HAIR TYPE	RESULT	MYOSTATIN
11322U145	SBJ21-0180 (SEBADJA SBJ21-0180) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U146	SBJ21-0184 (SEBADJA SBJ21-0184) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U146	SBJ21-0184 (SEBADJA SBJ21-0184) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U146	SBJ21-0184 (SEBADJA SBJ21-0184) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U147	SBJ21-0187 (SEBADJA SBJ21-0187) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U147	SBJ21-0187 (SEBADJA SBJ21-0187) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U147	SBJ21-0187 (SEBADJA SBJ21-0187) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U148	SBJ21-0188 (SEBADJA SBJ21-0188) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U148	SBJ21-0188 (SEBADJA SBJ21-0188) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U148	SBJ21-0188 (SEBADJA SBJ21-0188) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U149	SBJ21-0190 (SEBADJA SBJ21-0190) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U149	SBJ21-0190 (SEBADJA SBJ21-0190) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X	

Report Date : 09-Dec-2022 10:59

Page : 39

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	STRACO	CHN	DATE	TEST	TECHN/TYPE	RESULTS	REMARKS
								Normal	
11322U149	SBJ21-0190 (SEBADJA SBJ21-0190) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U150	SBJ21-0191 (SEBADJA SBJ21-0191) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U150	SBJ21-0191 (SEBADJA SBJ21-0191) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U150	SBJ21-0191 (SEBADJA SBJ21-0191) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U151	SBJ21-0193 (SEBADJA SBJ21-0193) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U151	SBJ21-0193 (SEBADJA SBJ21-0193) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U151	SBJ21-0193 (SEBADJA SBJ21-0193) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U152	SBJ21-0196 (SEBADJA SBJ21-0196) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U152	SBJ21-0196 (SEBADJA SBJ21-0196) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U152	SBJ21-0196 (SEBADJA SBJ21-0196) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U153	SBJ21-0198 (SEBADJA SBJ21-0198) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	

Report Date : 09-Dec-2022 10:59

Page : 40

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	GROUP	DATE	AGE	TEST	Tissue Type	RESULT	REMARKS
11322U153	SBJ21-0198 (SEBADJA SBJ21-0198) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U153	SBJ21-0198 (SEBADJA SBJ21-0198) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U154	SBJ21-0200 (SEBADJA SBJ21-0200) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U154	SBJ21-0200 (SEBADJA SBJ21-0200) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U154	SBJ21-0200 (SEBADJA SBJ21-0200) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U155	SBJ21-0205 (SEBADJA SBJ21-0205) (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U155	SBJ21-0205 (SEBADJA SBJ21-0205) (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U155	SBJ21-0205 (SEBADJA SBJ21-0205) (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U156	SBJ21-0207 (SEBADJA SBJ21-0207) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U156	SBJ21-0207 (SEBADJA SBJ21-0207) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U156	SBJ21-0207 (SEBADJA SBJ21-0207) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U157	SBJ21-0210 (SEBADJA SBJ21-0210) (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L	

Report Date : 09-Dec-2022 10:59

Page : 41

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE	ANIMAL	SPECIES	ORIGIN	SEX	AGE	TEST	Tissue Type	RESULT	INVOICE
11322U157	SBJ21-0210 (SEBADJA SBJ21-0210) (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Normal Q20HET : Myostatin - Q204X Heterozygote	
11322U157	SBJ21-0210 (SEBADJA SBJ21-0210) (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U158	SBJ21-0037 (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U158	SBJ21-0037 (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U158	SBJ21-0037 (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U159	SBJ21-0087 (M,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U159	SBJ21-0087 (M,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20HET : Myostatin - Q204X Heterozygote	
11322U159	SBJ21-0087 (M,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	
11322U160	WBB12-0469 (F,1)	CATTLE	BONSMARA (1)			DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U160	WBB12-0469 (F,1)	CATTLE	BONSMARA (1)			DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U160	WBB12-0469 (F,1)	CATTLE	BONSMARA (1)			DMG-3_C	Hair	nt8NOR : Myostatin - nt821 Normal	

Report Date : 09-Dec-2022 10:59

Page : 42

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER

SAMPLE #	ANIMAL	SPECIES	ORIGIN	DOB	TEST	TESTING CODE	RESULT	REMARKS
11322U161	WBB21-0145 (M,1)	CATTLE	BONSMARA (1)		DMG-1_C	Hair	F94NOR : Myostatin - F94L Normal	
11322U161	WBB21-0145 (M,1)	CATTLE	BONSMARA (1)		DMG-2_C	Hair	Q20NOR : Myostatin - Q204X Normal	
11322U161	WBB21-0145 (M,1)	CATTLE	BONSMARA (1)		DMG-3_C	Hair	n18NOR : Myostatin - n1821 Normal	

Report Date : 09-Dec-2022 10:59

Page : 43

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract.

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER