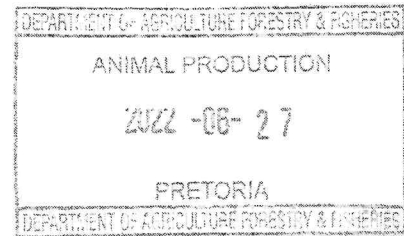




**agriculture,
forestry & fisheries**

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



VETERINARY MASTER PERMIT NO: NO MASTER

**VALID FROM: 2022/06/27
EXPIRY DATE: 2022/12/26**

IMPORTATION OF SEMEN: AUTHORISATION NO. S0192/22-1

(Issued in terms of section 16 of the Animal Improvement Act, 1998)

Expiry date: 2022/12/26 for Authorization No. S0192/22-1

Authorization is hereby granted to: **SEMEX SOUTH AFRICA (PTY) LTD.**

of: **PO BOX 1030, SOMERSET WEST, 7129.**

for the importation **BOVINE** semen of the **ANGUS** breed
from (country of origin): **CANADA.**

Semen will be cleared by:
SEMEX SOUTH AFRICA (PTY) LTD.

Name of Animals	Reg. No.	Number of doses
EXEC MR DRIVER 7D10	2078441	2000
RED DELFINAGRO SMX FEDERALIS CAN 6010	2043352	2000
RED SIX MILE MOSSY OAK 175H	2164370	300
SMX FALCONERA ZORO 1731E	19356331	2000

THE SEMEX ALLIACE, 5653 HIGHWAY 6 NORTH, GUELPH, ONTARIO, CANADA, N1H 6J2.

TOTAL: 6300

CONDITION

- Certification by the exporting country that the number of unfrozen (live) spermatozoa per dose complies with the minimum amount specified on the reverse side of this document.
- DNA profiles must be provided to the Registrar of Animal Improvement, and the relevant Breeders Society before release from quarantine, if not available at time of importation.

This authorization is subject to the compliance with the veterinary requirements set out in the attached permit and is also subject thereto that the intended importation meets with all the provisions of the said Act. This authorization does not exempt the importer from the provisions of any other law. This authorization may withdrawn by the Registrar should any false information be discovered in the application. This authorization is also not transferable. Imported semen shall under no circumstances be transferred, sold, given or donated to may other person or body unless prior written approval from the Registrar has been obtained. Any such approval shall be considered as new application for the importation of semen.

REGISTRAR: ANIMAL IMPROVEMENT

DATE: 2022/06/27

Canadian Angus Association
Tabulated Pedigree (Not a Certificate of Registration)

Name: **RED SIX MILE MOSSY OAK 175H** Reg #: **2164370** Defect Test Result(s):
 Born: **February 21, 2020** Free-DM, Free-DW, Free-AM,
 Parentage: **Parent Verified** Tattoo: **Right Ear SIXM 175H** Male (AI)
 Breeder: **5187292, Six Mile Red Angus, Clayton & Corinne Gibson PO Box 8** Current Owner: **Semex Beef, Darren Ippolito, Clayton & Corinne Gibson,**
Fir Mountain SK S0H 1P0

* Elite				
** Premier Dam				
	RED FLYING K AMBUSH 6T	(NHL 6T)	1390691	
	RED BRYLOR WEST JET 69W	(LMP 69W)	1523544	
	RED FLYING K LASSIE 3T	(NHL 3T)	1413618 **	
	RED U-2 RECON 192Y	(DUA 192Y)	1629213	OSF MAF DDF
	RED U-2 BIG LEAGUE 544R	(DUA 544R)	1283530	
	RED U-2 LARKABA 8133U	(DUA 8133U)	1448932	OSF
	RED U-2 LARKABA 028K	(DUA 028K)	1021233	
	RED U-2 RECKONING 149A	(DUA 149A)	1763017	MAF DDF
	RED LAZY MC HUSTLE 18T	(CBM 18T)	1380931	
	RED HOWE MAGNUM 169W	(MHZ 169W)	1498744	
	RED HOWE MS MAT 216N	(MHZ 216N)	1170514	
	RED U-2 ANEXA 271Y	(DUA 271Y)	1649664	OSF
	RED BAR-E-L APPROVAL 4L	(YHB 4L)	1072819	
	RED U-2 ANEXA 333N	(DUA 333N)	1159170	
	RED U-2 ANEXA 5F	(DUA 5F)	866073	
Sire	RED SIX MILE JOHN WICK 882E	(SIXM 882E)	1994984	NHF OSF MAF
	RED HEARTLAND KNIGHT CHARM 11I	(CFG 11I)	1049791	
	RED TER-RON FULLY LOADED 540R	(HFX 540R)	1282835 *	AMF OSF
	RED TER-RON GOLDIE 240L	(HFX 240L)	1073806 **	
	RED 6 MILE FULL THROTTLE 171T	(SIXM 171T)	1386647	OSF
	RED PASOUJA ARAB 28E	(AMG 28E)	817881 *	
	RED SIX MILE WITZEL 360J	(SIXM 360J)	980297 *	OSF
	RED C Y WITZEL 392Z	(CYC 392Z)	698747	
	RED SIX MILE & CO GLORIA 29A	(SIXM 29A)	1767594	AMF CAF
	RED VGW KING OF THE WEST			OSF MAF
	RED 5L NORSEMAN KING 229I	(IMP 229I)	659657	AMF NHF OSF MAF
	RED NORSEMAN 1312 PJM		1234936	
	RED SIX MILE GLORIA 746W		805385	CAF OSF MAF
	RED SIX MILE RICOCHET 478R	(SIXM 746W)	1514037	
	RED SIX MILE GLORIA 361T	(SIXM 478R)	1283201	OSF MAF DDF
	RED SIX MILE GLORIA 182N	(SIXM 361T)	1412533	
	RED VGW JUSTICE 614	(SIXM 182N)	1182127	
	RED FRITZ JUSTICE 8013	(IMP 8013U)	1098436	AMF OSF MAF
	RED FRITZ CHRIS 6047		1808346	
	RED C-T DKK DUKE 1100		1103381	OSF
	RED MESSMER PACKER S008		1426214	MAF
	RED GMRA ANGIE ROSE 944	(IMP 008S)	1481359	OSF MAF
	RED GMRA ANGIE ROSE 533		1322877	OSF MAF
	RED RUST BULL 31B		1039205	OSF
	RED BECKTON CLIPPER KC D400	(IMP 31B)	1865555	MAF
	RED BECKTON COLT G552		455117	
	RED BECKTON ROSE Z519 ZN		576951	
	RED BKT LARKEISA M288 CK		337434	
	RED BECKTON COBALT Z062	(IMP 0288M)	2028402	MAF
	RED BKT LARKEISA D822 CB		337332	
	RED BKT LARKEISA Z041 SP		455539	
Dam	RED SIX MILE MISS LARK 225E	(SIXM 225E)	337329	
	RED VGW GAME PLAN 816	(IMP 816U)	2003653	MAF DDF
	RED SIX MILE GAME FACE 164Y	(SIXM 164Y)	1543287	AMF NHF OSF MAF
	RED SIX MILE LAKOTO 35W	(SIXM 35W)	1606723	AMF NHF OSF MAF
	RED SIX MILE TAURUS 519A	(SIXM 519A)	1596929 *	OSF MAF
	RED 5L NORSEMAN KING 229I	(IMP 519A)	1736826	CAF OSF MAF
	RED SIX MILE SHAWNEE 116T	(IMP 229I)	1234936	AMF NHF OSF MAF
	RED CROWFOOT SHAWNEE 9124J	(SIXM 116T)	1386651 *	OSF MAF
	RED SIX MILE MISS LARK 300C	(CFCC 9124J)	957541	OSF MAF
	RED SIX MILE AVIATOR 217P	(SIXM 300C)	1873041	
	RED SIX MILE SAKIC 832S	(SIXM 217P)	1233058	OSF
	RED SIX MILE SIERA 257P	(SIXM 832S)	1332064	OSF MAF
	RED SIX MILE MISS LARK 380X	(SIXM 257P)	1235695	OSF MAF
	RED SOUTH VIEW NO EQUAL 28H	(SIXM 380X)	1573692	OSF MAF
	RED SVR MISS LARK 100P	(SVR 28H)	917962 *	
	LAMBS MISS LARK 36E	(SVR 100P)	1216773 *	OSF MAF
		(CDL 36E)	817786	
		RC		

I hereby certify this is a true copy of the Pedigree for said animal as reflected in the records maintained by the Canadian Angus Association.

Issue Date **June 20, 2022**
 Myles Immerkar, CEO, Canadian Angus Association



Genetic Condition Test Results



Issued by the Canadian Angus Association

ANIMAL ID	TATTOO	SEX	COAT	AM	CA	DD	DM	DM(M1)	DW	MA	NH	OH	OS	BVD
2164370	SIXM 175H	Male		Free	Free	Free	Free		Free	Free	Free	Free	Free	

Genetic Condition Test Results



Results Key for Visual Traits, Carcass Traits and Genetic Abnormalities

Full Name	Trait Report	Description
Coat Colour (COAT)	EE - Homozygous black Ee - Heterozygous black (black, red carrier) ee - Homozygous red	Coat colour genes determine red or black coat colour. Black is the dominant trait. With EE animals (homozygous black) all progeny will be black even when mated to recessive red animals. With Ee animals (heterozygous black) half the progeny will be black and half will be red when mated to recessive (ee) red animals. E+ is a wildtype coat colour gene, please refer to the CAA handbook for more information.
Arthrogryposis Multiplex (AM)	AMF - Free AMC - Carrier AMA - Affected	"Curly calf" - Calves are stillborn and have a twisted or curved spine and extended and contracted limbs.
Contractural Arachnodactyly (CA)	CAF - Free CAC - Carrier CAA - Affected	"Fawn calf" - Abnormality of skeletal development in Angus cattle resulting in a "tail and skinny" calf with contracture of the hocks, decreased range of motion of the limbs, particularly the hind, and spinal misalignment.
Developmental Duplication (DD)	DDF - Free DDC - Carrier DDA - Affected	An extra limb or part of an extra limb (a condition referred to as polymelia).
Double Muscling (DM) NT821 variant (M1)	0 - none of nine variants present 1 Variant - one copy of variant 2 Variant - two copies of variant	"Double muscling" (Myostatin) - Muscle hypertrophy, may have larger birth weights, increased dystocia and increased tenderness. Animals are extremely muscled, with abnormally large, wide and rounded rump and thighs prominent creases between muscles. Possible variants are C313Y, NT419, E226X, NT821, E291X, Q204X, D182N, F94L and S105C.
Angus Dwarfism (DW)	D2F - Free D2C - Carrier D2A - Affected	Dwarf calves are typically born with very short legs and a stout fat body.
Alpha-mannosidosis (MA)	MAF - Free MAC - Carrier MAA - Affected	Animals fail to thrive and develop poor coordination and an aggressive disposition when disturbed. Animals usually die before reaching sexual maturity.
Neuropathic Hydrocephalus (NH)	NHF - Free NHC - Carrier NHA - Affected	"Hydro" or "Water brain" - Affected calves are born dead with an extremely large head with little or no brain material or spinal cord.
Oculocutaneous Hypopigmentation (OH)	OHF - Free OHC - Carrier OHA - Affected	Affected calves have eyes with irises that are pale blue around the pupil. Sensitive to light, otherwise function normally.
Osteopetrosis (OS)	OSF - Free OSC - Carrier OSA - Affected	"Marble bone" - Typically calves are born dead, but if born alive will die within 24 hours after birth. Calves possess a short lower jaw and impacted molars. Long bones are fragile and easily broken.
Bovine Viral Diarrhea Virus (BVD)	Positive Negative	A virus that can cause a host of problems - from diarrhea to abortion and susceptibility to other diseases. Acute infection with the virus triggers an immune response, the body fights back and the animal recovers.



DNA Genotype Certificate

Neogen Canada Inc.
7323 Roper Road NW
Edmonton, Alberta, T6E 0W4, Canada
Phone: 1-855-324-9774 Email: neogenCanada@neogen.com

Case No. NC21BV0249938

ANIMAL INFORMATION

Species BOVINE
Breed ANGUS
Name RED SIX MILE MOSSY OAK 175H
Registration No. 2164370

Gender MALE
Date of Birth 21-February-2020
Tag 175H
Tattoo SIXM 175H

Alternate Identification:

GENOTYPE RESULTS Adjusted to ISAG (1995) standard

AVAILABLE AT THE REGISTRY OFFICE

FILED AT TESTING LABORATORY

TGLA53	160 / 160
CYP21	191 / 197
SPS113	/
BM1818	266 / 270
TGLA48	/
MGTG4B	/
BM1824	180 / 182
RM067	96 / 96
BM2113	135 / 135

SPS115	248 / 248
TGLA126	123 / 123
TGLA122	151 / 183
INRA23	206 / 216
TGLA227	81 / 93
ETH225	148 / 150
ETH10	217 / 217
ETH3	117 / 127
	/

Based on samples and information received, this animal qualifies as an offspring of:

Sire: N/A

Dam: N/A

Notes

NO PARENTAGE PERFORMED.
GENOTYPING COMPLETE.
GENOTYPE STORED AT NEOGEN CANADA.
MISSING PARENT GENOTYPES.
MISSING SIRE: RED SIX MILE JOHN WICK 882E REG#: 1994984 TATTOO: SIXM 882E TAG: 882E
MISSING DAM: RED SIX MILE MISS LARK 225E REG#: 2003653 TATTOO: SIXM 225E TAG: 225E

SAMPLE SUBMITTED BY:

Semex Beef
5653 Hwy 6 N
Guelph ON N1H 6J2

Date Issued 20/06/2022

Issued By Canadian Angus Association
292140 Wagon Wheel Blvd
Rocky View County AB T4A 0E2

Direct: 403 571 3580
Toll Free: 1 888 571 3580





Batch Detail Report

Batch : 9846U
Owner :M Cooke
Farm :Semex South Africa
Account : SEME01
Origin : PRIVATE
Invoice To : Owner

Created : 2022-08-01

SAMPLE	ANIMAL	SPECIES	BREED	DATE	TEST	RESULT
9846U001	AR20-0729 (RED SIX MILE MOSSY OAK 175H) (M,10)	CATTLE	RED ANGUS (10)		SNP50_C	IG50 : IGENITY 50K

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.
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



Batch Detail Report

Batch : 9846U
Owner :M Cooke
Farm :Semex South Africa
Account : SEME01
Origin : PRIVATE
Invoice To : Owner

Created : 2022-08-01

ANIMAL	ANIMAL	SPECIES	BREED	DAW	TEST	RESULT	INVOICE
9846U001	AR20-0729 (RED SIX MILE MOSSY OAK 175H) (M,10)	CATTLE	RED ANGUS (10)		SNP50_C	IG50 : IGENITY 50K	

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.
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CHARNÉ ROSSOUW
DIVISION MANAGER