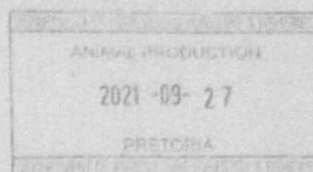




agriculture,
forestry & fisheries

Department
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2021/09/27
EXPIRY DATE: 2022/03/26

IMPORTATION OF SEMEN: AUTHORISATION NO. S0354/21-1

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

Expiry date: 2022/03/26 for Authorization No. S0354/21-1

Authorization is hereby granted to: EMBRIO PLUS.

of: PO BOX 2644, BRITS, 0250.

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

Semen will be cleared by:
EMBRIO PLUS.

Name of Animals	Reg. No.	Number of doses
LSF SRR HEDGE FUND 7017E	3723117	200

ALTA GENETICS R.R.2. BALZAC, ALBERTA, CANADA.

TOTAL: 200

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 This authorization may be withdrawn by the Registrar should any false information be discovered in the application.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 any 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: 2021/09/27

Red Angus Association of America

LSF SRR HEDGE FUND 7017E 01/06/2017 Polled Red Angus Bull 3723117
 Name Birth Date Registration Number
 7017E
 Tattoo

Name	RAA Number	Identification	Birth Date	Foreign Number	5th Generation
BECKTON JULIAN GG B571	387580	B571	03/27/1992		Sire: BKT JULIAN 7526 G
HXC CONQUEST 4405P	975924	4405P	01/25/2004		Dam: BKT MARTA 9A13 JL
HXC ELLIE MAY MA638	845501	MA638	02/03/2002		Sire: BFCK CHEROKEE CNYN 4912
LSF TAKEOVER 9943W	1368803	9943W	12/27/2009		Dam: HXC 529E
MESSMER PACKER S008	1109534	S008	02/12/2006		Sire: MESSMER JOSHUA 019P
LSF WIDELOAD R5014 U8061	1248516	U8061	01/26/2008		Dam: MESSMER MILLIE 124P
H2R PROFITBUILDER B403	1039664	R5014	01/09/2005		Sire: BROWN VACATION H7106
BECKTON NEBULA M045	1683223	B403	01/30/2014		Dam: LSF WIDELOAD E531 N3195
BECKTON NEBULA P P707	854775	M045	02/19/2002		Sire: BECKTON NEPTUNE R2 K065
BECKTON LANA M809 EP	979031	P707	04/01/2004		Dam: BECKTON BELGA K285 JL
BROWN MS P707 Y6674	855048	M809	04/14/2002		Sire: BECKTON EPIC K1 K863
LJC MISSION STATEMENT P27	1442451	Y6674	02/17/2011		Dam: BECKTON LANA K253 DM
BROWN MS MISSION STMT T6963	960383	P27	02/23/2004		Sire: LJC LANCER 806
BROWN MS VACATION P6866	1185877	T6963	02/17/2007		Dam: LJC HANNAH 106
	962342	P6866	03/02/2004		Sire: BROWN VACATION H7106
					Dam: BROWN MS FLOWMAN 901L

Name	RAA Number	Identification	Birth Date	Foreign Number	5th Generation
MESSMER PACKER S008	1109534	S008	02/12/2006		Sire: MESSMER JOSHUA 019P
LSF NIGHT CAL VER 9921W	1368797	9921W	12/24/2009		Dam: MESSMER MILLIE 124P
LSF DELLA P4078 U8051	1248503	U8051	01/24/2008		Sire: FEDDES BIG SKY R9
LSF PROSPECT 2035Z	1547645	2035Z	02/05/2012		Dam: LSF DELLA G1372 P4078
BIEBER ROMERO 9136	899669	9136	01/30/2003		Sire: BUF CRK ROMEO L081
LSF BLACKBIRD N3080 X0406	1382564	X0406	02/08/2010		Dam: BIEBER MELLSSIE 8337
LSF BLACKBIRD 4055 N3080	909638	N3080	02/11/2003		Sire: LCHMN RED SPREAD 1271F
LSF SRR DINA C5128	1744134	C5128	02/11/2015		Dam: TC BLACKBIRD 4055
BECKTON JULIAN GG B571	387580	B571	03/27/1992		Sire: BKT JULIAN 7526 G
HXC CONQUEST 4405P	975924	4405P	01/25/2004		Dam: BKT MARTA 9A13 JL
HXC ELLIE MAY MA638	845501	MA638	02/03/2002		Sire: BFCK CHEROKEE CNYN 4912
LSF SRR DINA Y1094 A3016	1623928	A3016	01/22/2013		Dam: HXC 529E
LSF JBOB EXPECTATION 6034S	1108741	6034S	01/24/2006		Sire: LCHMN ENTERPRISE 1370H
LSF DINA U8042 Y1094	1445604	Y1094	01/23/2011		Dam: LSF SWEETNESS J1358 P4085
LSF DINA N3008 U8042	1248479	U8042	01/23/2008		Sire: MESSMER PACKER S008
					Dam: LSF DINA J1412 N3008

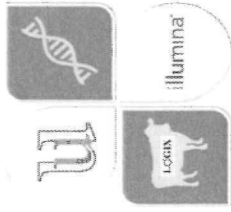
John T. Brink

FIVE GENERATION EXTENDED PEDIGREE
 18335 E. 103rd Avenue, Suite 202 • Commerce City, CO 80022-3103
 (940) 387-3502 • FAX (888) 829-6069
 Email: info@redangus.org • Website: www.redangus.org

John T Brink, Chief Executive Officer

Printed:

The data listed in this pedigree is a true and accurate representation of the Red Angus Database. To the best of my knowledge, no genetic abnormalities have been reported to this animal.



Unistel Medical Laboratories
Genetic Report
BOVINESNP50-24 v3 BeadChip

Animal Tested: LSF SRR HEDGE FUND 7017E
7151U002
Semen

Description	Mutations	Status	Description	Mutations Tested	Status
Coat colouration	MC1R - e	Insufficient data	Meat	Calpain 1 - 316	G/G
	MC1R - ED	E+/E+	Tenderness	Calpain 1 - 4751	C/C
	PMEL17 Dilution	+/+		Calpain 1 - 530	G/G
	Silver Dilution type 1	+/+		Calpastain - 282	G/C
	Silver Dilution type 2	+/+		Calpastain - 2870	A/G
	Myostatin C313Y	Clear		Calpastain - 2959	A/G
Myostatin Status	Myostatin E226X	Clear	Milk status	Beta Casein - 245	A1/A2
	Myostatin E291X	Clear		Beta Casein - 411	B/B
	Myostatin nt419	Clear		Kappa Casein - 352	A/A
	Myostatin nt821	Clear		Kappa Casein - 467	A/A
	Myostatin Q204X	Clear		Kappa Casein - 470	A/B
	Myostatin D182N	Clear		Kappa Casein - 506	A/B
	Myostatin F94L	Clear		Kappa Casein - 526	A/A
	Myostatin S105C	Clear			
	E7 mutation	Clear			
	E13 mutation	Clear	Milk quality	Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield
POMPE Status	E18 mutation	Clear		Growth Hormone 2141	Decreased milk protein & fat yield
	Polled Celtic	Homozygous Polled		Growth Hormone 2291	Normal milk fat yield, fat & protein %
Hornedness	SLICK	Clear		ABCG2 - protein yield milk	Normal fat, protein & milk yield; normal fat & protein %
Heat Tolerance	Pinkeye resistance	Reduced risk 16-26%		AcylCoA - milk fat percentage	Intermediate milk fat & protein concentration, slightly reduced volume
Eye Disorders	Osteopetrosis	Clear		Trimethylaminuria excess in milk	Clear
Bone Disorder	Alpha Mannosidosis 961	Clear		Yellow milk fat	Normal yellow fat
Breed mutations	Neuropathic hydrocephalus	Clear			
	Developmental Duplication	Clear			
	Mulefoot	Clear			



Date	26 Sep 2018
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Contact Name	Alta Genetics-Dawn Woods
Address	1-263090 RR #11 Rocky View County, AB T4B2T3
Phone	403-226-4236
Email	dawn.wood@altagenetics.com

Animal ID	BarCode #	Registration #
LSF SRR Hedge Fund 7017E	81613107347	RAAA 3723117

Marker Name	Allele	
BM1818	A1	266
BM1818	A2	270
BM1824	A1	182
BM1824	A2	182
BM2113	A1	135
BM2113	A2	139
ETH10	A1	217
ETH10	A2	217
ETH225	A1	140
ETH225	A2	140
ETH3	A1	119
ETH3	A2	121
INRA23	A1	206
INRA23	A2	214
SPS115	A1	252
SPS115	A2	254
TGLA122	A1	151
TGLA122	A2	151
TGLA126	A1	113
TGLA126	A2	123
TGLA227	A1	81
TGLA227	A2	97
TGLA53	A1	160
TGLA53	A2	170

4131 N 48th St | Lincoln NE 68504
 Phone: 402-435-0665 | Fax: 402-435-0664
info@genseek.com | www.genseek.com | www.neogen.com

All data included in this report is subject to GeneSeek's Terms and Conditions, which is available at
<https://gslims.neogen.com/web/GSTermsAndConditions.pdf>



Order Details - 675175

Organization : Identity
Customer Purchase Order ID : Alta Genetics-Beef
Bill-to ID :
Order Created : 2021-09-07
Number of samples : 2
Submitted by : Linder, Jake
First Sample Received : 2021-09-07
Number of samples received : 2
Estimated Completion :
Order Completed : 2021-09-18
Geneseek Rep : Harper, Brandon
Billable : Yes
Customer Rep :
Status : Closed
Order Notes :
Notes : Alta Genetics 625 E Elizabeth Street Shawano, WI 54186 < by Harper Brandon 09/07/21 11:51 >
506220 Alta Genetics-Beef 1-263090 RR #11 Rocky View County, AB< T4B 2T3 403-226-0666
dawn.wood@altagenetics.com Invoice/No Payment < by Linder Jake 09/07/21 13:44 >

Test : Myostatin Beef (Myostatin Beef) **Status** : Ready

Order ID	Sample ID	BarCode	BarCode 2	Animal ID	Registration Number	Sex	Customer Sample ID	Sample Status	F94L	S105C	NT419	D182N	Q204X	E226X	NT821	E291X	C313Y
675175	30550483	12112001549	5	Woodhill Patent	AAA 19199070	M		Finished	0	0	0	0	0	0	0	0	0
675175	30550484	12112001549	6	LSF SRR HEDGE FUND 7017E	RAAA 3723117	M		Finished	0	0	0	0	0	0	0	0	0

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