

Subject: Charvos DNA

From: Carissa van Rooyen <carissa@omega1.co.za>

Date: 2021/09/16, 7:03 7/7

To: DaleenB <daleenb@studbook.co.za>, Nico De Vos <nico@quaggasfontein.co.za>

Good Morning Daleen,

Trust all is well.

Daleen I have attached the DNA results from Unistel and Onderstepoort.

There are some that are still ?

I am sending blood back to Unistel to see if they can go through everything again.

Please let me know if there is anything else that you need from our side.

Regards

Carissa

Sent from Mail for Windows

Attachments:

5669U.pdf

74.2 KB

RR06305PR[34308].pdf

286 KB

Batch Detail Report

Batch : 5669U
Owner : Charvos
Farm : Omega
Account : CHARV1
Invoice To : Owner

5669U001	18.8.6 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	NSR : No Sample Received
5669U002	V18-0006 (N/S,16)	CATTLE	CHAROLAIS (16)	DP15-0054 (M,16)(Valid)	PAR_C	SV : Sire Valid
5669U003	V18-0008 (N/S,16)	CATTLE	CHAROLAIS (16)	DP15-0054 (M,16)(Valid)	PAR_C	SV : Sire Valid
5669U004	CB18-0013 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	mNSX : Multiple Nominated Sires Excluded
5669U005	V18-0002 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	mNSX : Multiple Nominated Sires Excluded
5669U006	?1 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	mNSX : Multiple Nominated Sires Excluded
5669U007	?2 (N/S,16)	CATTLE	CHAROLAIS (16)	DP15-0054 (N/S,16)(Valid)	PAR_C	SV : Sire Valid
5669U008	V19-0011 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	NSR : No Sample Received
5669U009	V19-0006 (N/S,16)	CATTLE	CHAROLAIS (16)	DP16-0016 (M,16)(Valid)	PAR_C	SV : Sire Valid
5669U010	V19-0005 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	mNSX : Multiple Nominated Sires Excluded
5669U011	V18-0012 (N/S,16)	CATTLE	CHAROLAIS (16)		PAR_C	HERO1 : Repeat sample is requested
5669U012	V18-0009 (N/S,16)	CATTLE	CHAROLAIS		PAR_C	NSR :

Report Date : 09-Sep-2021 09:26

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

CHARNÉ ROSSOUW
DIVISION MANAGER

5669U013	V18-0010 (N/S,16)	CATTLE	(16) CHAROLAIS		PAR_C	No Sample Received HER02 : Test to be repeated by lab
5669U014	CB18-0067 (N/S,16)	CATTLE	(16) CHAROLAIS		PAR_C	mNSX : Multiple Nominated Sires Excluded
5669U015	V18-0013 (N/S,16)	CATTLE	(16) CHAROLAIS		PAR_C	HER01 : Repeat sample is requested
5669U016	V18-0005 (N/S,16)	CATTLE	(16) CHAROLAIS		PAR_C	NSR : No Sample Received
5669U017	V19-0003 (N/S,16)	CATTLE	(16) CHAROLAIS	DP16-0016 (M,16)(Valid)	PAR_C	SV : Sire Valid
5669U018	V19-0010 (N/S,16)	CATTLE	(16) CHAROLAIS	DP16-0016 (M,16)(Valid)	PAR_C	SV : Sire Valid
5669U019	NO.1 (N/S,16)	CATTLE	(16) CHAROLAIS	DP15-0054 (N/S,16)(Valid)	PAR_C	SV : Sire Valid
5669U020	NO.2 (N/S,16)	CATTLE	(16) CHAROLAIS		PAR_C	mNSX : Multiple Nominated Sires Excluded

Report Date : 09-Sep-2021 09:26

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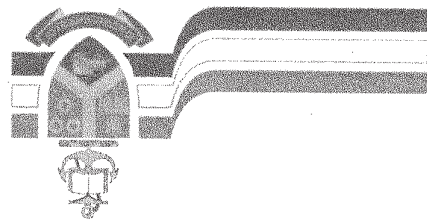
CHARNÉ ROSSOUW
DIVISION MANAGER

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 ISAG Lab Code: 23476915



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<http://www.up.ac.za>

University of Pretoria



Veterinary Genetics Laboratory
 27 May 2021
 RR006305PR

To: Carvos Stud

The following samples were received (DNA number as reference):

DNA Number	Animal ID	Sex	Profile completed
B2100322	ELK 15-12	Male	Complete
B2100323	DP 16-16	Male	Complete
B2100324	HMV 17-08	Female	Complete
B2100325	DP 15-64	Female	Complete
B2100326	HMV 16-11	Female	Complete
B2100327	DP 10-32	Female	Complete
B2100328	DP 15-67	Female	Complete
B2100329	DP 11-52	Female	Complete
B2100330	HMV 14-170	Female	Complete
B2100331	HMV 18-21	Female	Complete
B2100332	HMV 16-08	Female	Complete
B2100333	DP 15-79	Female	Complete
B2100334	CB 13-06	Female	Complete
B2100335	HMV 15-14	Female	Complete
B2100336	HMV 15-12	Female	Complete
B2100337	DP 10-43	Female	Complete
B2100338	DP 11-38	Female	Complete
B2100339	18-8-6	Female	Complete
B2100340	V 18-06	Female	Complete
B2100341	V 18-08	Female	Complete
B2100342	CB 18-13	Female	Complete
B2100343	V 18-02	Female	Complete
B2100344	V 21-04	Male	Complete
B2100345	V 20-11	Male	Complete
B2100346	V 21-02	Male	Complete
B2100347	V 20-08	Female	Complete
B2100348	V 20-01	Male	Complete
B2100349	V 20-09	Male	Complete
B2100350	V 20-03	Male	Complete

B2100351	V 20 05	Female	Complete
B2100352	V 20-10	Male	Complete
B2100353	V 21-1	Male	Complete
B2100354	? 1	Male	Complete
B2100355	? 2	Male	Complete
B2100356	V 19-11	Female	Complete
B2100357	V 20-04	Female	Complete
B2100358	V 19-07	Female	Complete
B2100359	V 19-06	Female	Complete
B2100360	V 19-08	Female	Complete
B2100361	V 19-05	Female	Complete
B2100362	V 20-05	Male	Complete
B2100363	V 19-02	Female	Complete
B2100364	V 19-12	Male	Complete
B2100365	V 18-09	Male	Complete
B2100366	V 18-10	Male	Complete
B2100367	CB 18-67	Male	Complete
B2100368	V 18-13	Male	Complete
B2100369	V 18-05	Male	Complete
B2100370	?4	Male	Complete
B2100371	?3	Male	Complete
B2100372	V 19-03	Male	Complete
B2100373	V 19-04	Male	Complete
B2100374	V 19-10	Male	Complete
B2100375	V 19-01	Male	Complete
B2100376	V 20-02	Male	Complete

18-8-6 (B2100339)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – dam valid
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 18-06 (B2100340)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – dam valid

Dam: DP 15-64 (B2100325) – Dam excluded

Dam: HNV 16-11 (B2100326) – Dam excluded

Dam: DP 10-32 (B2100327) – Dam excluded

Dam: DP 15-67 (B2100328) – Dam excluded

Dam: DP 11-52 (B2100329) – Dam excluded

Dam: HNV 14-170 (B2100330) – Dam excluded

Dam: HNV 18-21 (B2100331) – Dam excluded

Dam: HNV 16-08 (B2100332) – Dam excluded

Dam: DP 15-79 (B2100333) – Dam excluded

Dam: CB 13-06 (B2100334) – Dam excluded

Dam: HNV 15-14 (B2100335) – Dam excluded

Dam: HNV 15-12 (B2100336) – Dam excluded

Dam: DP 10-43 (B2100337) – Dam excluded

Dam: DP 11-38 (B2100338) – Dam excluded

V 18-08 (B2100341)

Sire: ELK 15-12 (B2100322) – sire excluded

Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded

Dam: DP 15-64 (B2100325) – Dam excluded

Dam: HNV 16-11 (B2100326) – Dam excluded

Dam: DP 10-32 (B2100327) – Dam excluded

Dam: DP 15-67 (B2100328) – Dam excluded

Dam: DP 11-52 (B2100329) – Dam excluded

Dam: HNV 14-170 (B2100330) – Dam excluded

Dam: HNV 18-21 (B2100331) – Dam excluded

Dam: HNV 16-08 (B2100332) – Dam excluded

Dam: DP 15-79 (B2100333) – Dam excluded

Dam: CB 13-06 (B2100334) – Dam excluded

Dam: HNV 15-14 (B2100335) – Dam excluded

Dam: HNV 15-12 (B2100336) – Dam excluded

Dam: DP 10-43 (B2100337) – Dam excluded

Dam: DP 11-38 (B2100338) – Dam excluded

CB 18-13 (B2100342)

Sire: ELK 15-12 (B2100322) – sire excluded

Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded

Dam: DP 15-64 (B2100325) – Dam excluded

Dam: HNV 16-11 (B2100326) – Dam excluded

Dam: DP 10-32 (B2100327) – Dam excluded

Dam: DP 15-67 (B2100328) – Dam excluded

Dam: DP 11-52 (B2100329) – Dam excluded

Dam: HNV 14-170 (B2100330) – Dam excluded

Dam: HNV 18-21 (B2100331) – Dam excluded

Dam: HNV 16-08 (B2100332) – Dam excluded

Dam: DP 15-79 (B2100333) – Dam excluded

Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

CB 18-02 (B2100343)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 21-04 (B2100344)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam valid
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-11 (B2100345)

Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded

Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMOV 14-170 (B2100330) – Dam excluded
Dam: HMOV 18-21 (B2100331) – Dam excluded
Dam: HMOV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMOV 15-14 (B2100335) – Dam valid
Dam: HMOV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 21-02 (B2100346)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HMOV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMOV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMOV 14-170 (B2100330) – Dam excluded
Dam: HMOV 18-21 (B2100331) – Dam excluded
Dam: HMOV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMOV 15-14 (B2100335) – Dam excluded
Dam: HMOV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 20-08 (B2100347)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HMOV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMOV 16-11 (B2100326) – Dam valid
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMOV 14-170 (B2100330) – Dam excluded
Dam: HMOV 18-21 (B2100331) – Dam excluded
Dam: HMOV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMOV 15-14 (B2100335) – Dam excluded
Dam: HMOV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-01 (B2100348)
Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-09 (B2100349)
Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam valid
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-03 (B2100350)
Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam valid
Dam: DP 15-79 (B2100333) – Dam excluded

Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-05 (B2100351)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire valid

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam valid
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-10 (B2100352)

Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 21-01 (B2100353)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire valid

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded

Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam valid
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

? 1 (B2100354)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam valid
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

? 2 (B2100355)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam valid
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 19-11 (B2100356)
Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam valid
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-04 (B2100357)
Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam valid
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 19-07 (B2100358)
Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded

Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam valid
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 19-06 (B2100359)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire valid

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam valid
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 19-08 (B2100360)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire valid

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam valid
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 19-05 (B2100361)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam valid
Dam: DP 10-32 (B2100327) – Dam excluded

Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMOV 14-170 (B2100330) – Dam excluded
Dam: HMOV 18-21 (B2100331) – Dam excluded
Dam: HMOV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMOV 15-14 (B2100335) – Dam excluded
Dam: HMOV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-05 (B2100362)

Sire: ELK 15-12 (B2100322) – sire valid
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HMOV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMOV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam valid
Dam: HMOV 14-170 (B2100330) – Dam excluded
Dam: HMOV 18-21 (B2100331) – Dam excluded
Dam: HMOV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMOV 15-14 (B2100335) – Dam excluded
Dam: HMOV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 19-02 (B2100363)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire valid

Dam: HMOV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMOV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMOV 14-170 (B2100330) – Dam excluded
Dam: HMOV 18-21 (B2100331) – Dam excluded
Dam: HMOV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMOV 15-14 (B2100335) – Dam excluded
Dam: HMOV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 18-12 (B2100364)
Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam valid
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 18-09 (B2100365)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded
Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 18-10 (B2100366)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded
Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded

Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam valid
Dam: CB 18-02 (B2100342) – Dam excluded

CB 18-67 (B2100367)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam valid
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 18-13 (B2100368)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 18-05 (B2100369)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HMV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMV 14-170 (B2100330) – Dam excluded
Dam: HMV 18-21 (B2100331) – Dam excluded
Dam: HMV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMV 15-14 (B2100335) – Dam valid
Dam: HMV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

? 4 (B2100370)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HMV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMV 14-170 (B2100330) – Dam excluded
Dam: HMV 18-21 (B2100331) – Dam excluded
Dam: HMV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMV 15-14 (B2100335) – Dam excluded
Dam: HMV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

? 3 (B2100371)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HMV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HMV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HMV 14-170 (B2100330) – Dam excluded
Dam: HMV 18-21 (B2100331) – Dam excluded
Dam: HMV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HMV 15-14 (B2100335) – Dam excluded

Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 19-03 (B2100372)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 19-04 (B2100373)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire valid

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam valid
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 19-10 (B2100374)

Sire: ELK 15-12 (B2100322) – sire excluded
Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded

Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded
Dam: CB 18-02 (B2100342) – Dam excluded

V 19-01 (B2100375)

Sire: ELK 15-12 (B2100322) – sire valid

Sire: DP 16-16 (B2100323) – sire excluded

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam valid
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam excluded

V 20-02 (B2100376)

Sire: ELK 15-12 (B2100322) – sire excluded

Sire: DP 16-16 (B2100323) – sire valid

Dam: HNV 17-08 (B2100324) – Dam excluded
Dam: DP 15-64 (B2100325) – Dam excluded
Dam: HNV 16-11 (B2100326) – Dam excluded
Dam: DP 10-32 (B2100327) – Dam excluded
Dam: DP 15-67 (B2100328) – Dam excluded
Dam: DP 11-52 (B2100329) – Dam excluded
Dam: HNV 14-170 (B2100330) – Dam excluded
Dam: HNV 18-21 (B2100331) – Dam excluded
Dam: HNV 16-08 (B2100332) – Dam excluded
Dam: DP 15-79 (B2100333) – Dam excluded
Dam: CB 13-06 (B2100334) – Dam excluded
Dam: HNV 15-14 (B2100335) – Dam excluded
Dam: HNV 15-12 (B2100336) – Dam excluded
Dam: DP 10-43 (B2100337) – Dam excluded
Dam: DP 11-38 (B2100338) – Dam valid

Kind Regards

Cindy Harper

Dr Cindy Harper (BVSc, MSc)