

Israeli Holstein Bulls Catalogue 2019



SION AI & BREEDING COMPANY

Gedera Post Office

POBox 98373

Gedera 7057102

ISRAEL

Tel : +972-(0)8-8592812/3

Fax : +972-(0)8-8593381

E-mail : rachel@sion-israel.com

www.sion-israel.com





Dear all,

With great pleasure we are presenting to you - SION's 2019 bulls' catalogue.

After decades of success in the Israeli dairy farms, SION is proud to share the Israeli bulls' genetics with dairy farmers, across the world.

The Israeli cow is known to be the highest in the world in milk production and solid components. As our genetics highlight the qualities of production, daughter fertility, longevity and persistency, we provide solutions for the overall challenges of dairy farmers.

It is important to note that, due to the Israeli climate, our bulls are suitable for harsh weather and keep productivity high, under all conditions.

SION's semen quality is tested to the highest standards.

In this new catalogue we are presenting for the first time our Genomic bulls and A2 bulls that will breed A2 cows.

We hope you will find suitable bulls for your requirements and we will be happy to assist you in any question and advise.

Wishing you success and prosperity,

Alon Inbar, CEO

SION - Israeli AI & Breeding company Ltd.

SION Catalogue Terms

Production Traits

Milk = Predicted transmitting ability for milk, shown in Kg. Positive Kg is preferential.

Fat = Predicted transmitting ability for fat, shown in Kg and Percent. Positive Kg and percentages are preferential.

Protein = Predicted transmitting ability for protein, shown in Kg and Percent. Positive Kg and percentages are preferential.

Rel = Reliability. Percent reliability for a sire's proof, influenced by the number of daughters\herds\lactations.

Production Summary First Lactation = The actual average of bulls' daughters according to Milk Kg, Fat and Protein percentage, adjusted for 305 days.

Functional Traits

SCC = Somatic cell Count
Negative values are preferential.

Daughter Fertility = Inverse of the number of inseminations to conception - multiple by 100 (%) – for example – 2 inseminations per conceiving = 50%. Each increase of 1% in Daughter Fertility equals a decrease of 4 days, in days open. Positive percentages are preferential.

Persistency = Predicted milk production 180 days after peak production divided by peak production (in %). Positive percentages are preferential.

Longevity = Productive life
Measured as the total number of additional or fewer productive days (from first calving till culling) that you can expect from the bull's daughters over their lifetime. More credit is given for older cows than for younger animals. Positive days are preferential.

Bull Stillbirth = Calf mortality
The percentage of the bull's calves that are born dead to first lactation animals, during 24 hours from calving.
Negative percentages are preferential.

Bull Calving Difficulty The percentage of births of bull's calves that are considered difficult in first lactation animals. Negative percentages are preferential.

Conformation traits

Body Size = Predicted transmitting ability for Body size and shape.

In this trait - Small size is preferential.

Dairy Character = Physical evidence of milking ability. Major consideration is given to general openness and angularity while maintaining strength. Positive values above 100 are preferential.

Udder = Predicted transmitting ability for Udder size and shape.

Positive values above 100 are preferential.

Legs = Predicted transmitting ability for Feet & Legs size and shape.

Positive values above 100 are preferential.

Total Score = Summarize of the predicted transmitting ability for type.

Positive values above 100 are preferential.



SION Production

RESULTS = bull A daughters

Milk=12,428 Kg	Fat=451 Kg	3.65%	Protein=391 Kg	3.19%
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SION
Catalogue
2019

+400 +20 +0.05 +10 +0.02

Base year = Average cow in 2010

Milk=12,028 Kg	Fat = 431 Kg	3.6%	Protein=381 Kg	3.17%
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SION Functional Traits

RESULTS = bull A daughters

SCC= Log 3.95	DPR= 44.7%	Persistency= 1.7%	Longevity= 1,211	Stillbirth= 4.3%	Calving Difficulty= 7.6%
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SION
Catalogue
2019

-0.2 +1.1 +1 +30 -0.3 -0.2

Base year = Average cow in 2010

Log 4.15	43.6%	0.7%	1.181 days	4.7%	7.8%
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Conformation

RESULTS = bull A daughters

Body size= 102	Dairy Character= 103	Udder= 105	Legs= 101	Total Score= 103
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SION
Catalogue
2019

+2 +3 +5 +1 +3

Base year = Average cow in 2010

100	100	100	100	100
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BUSTER 7937

International No. ISRM000000007937

PD 17
308



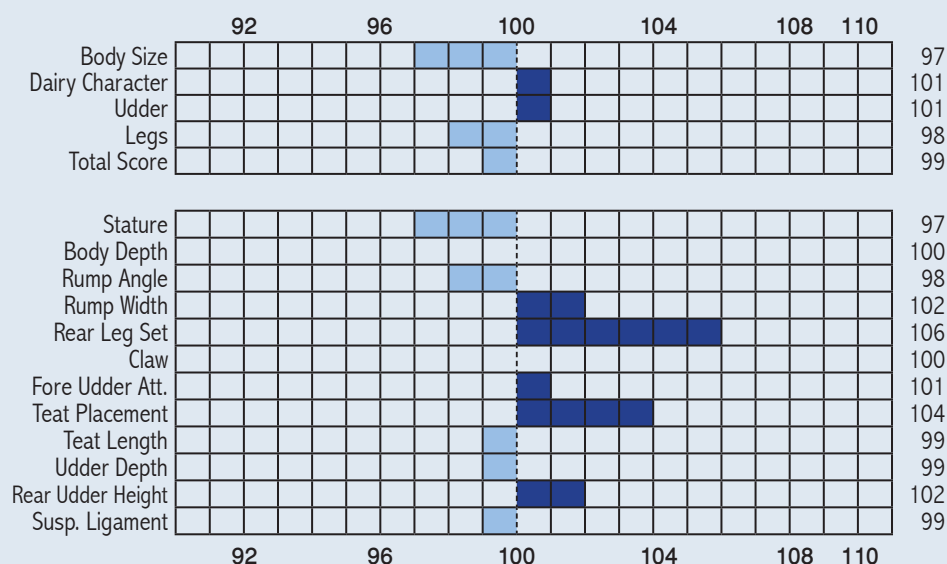
Sire : Bofun
Sire Dam : Asa
Born : 22.7.2013
Owner : SION
Daughters: 468
Herds: 224
Breeding value: November 2018

Production Traits Rel: 97%	
Milk Kg	217
Protein Kg	9.9
Protein %	0.03%
Fat Kg	18.9
Fat %	0.09%

Functional Traits		
Somatic Cell Count		0.02
Sire Calving %	Calving Stillbirth %	3.0
	Calving Difficulty	1.7
Daughter Calving %	Calving Stillbirth %	-0.9
	Calving Difficulty	1.5
Longevity (days)		4
Persistence %		-2.2
Daughter Fertility %		-1.53

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,420
Fat %	3.68%
Protein %	3.19%
Kappa Casein: AA	
Beta Casein: A2/A2	

Type Traits → Rel: 82%



- Very good milk components
- Different blood line
- Small body size

DOOTS 7805

International No. ISRM000000007805

PD 17
532



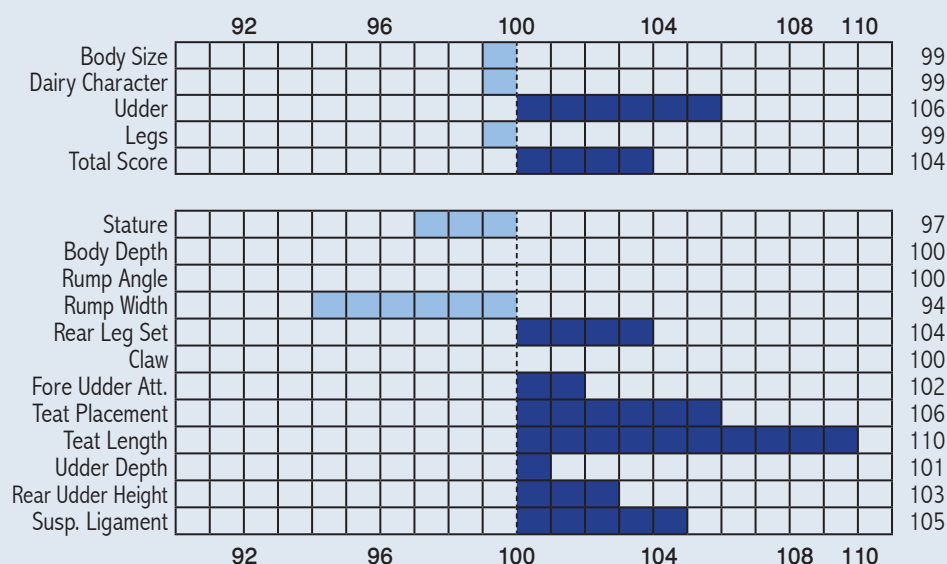
Sire : Dogit
Sire Dam : Tsalul
Born : 5.1.2011
Owner : SION
Daughters: 319
Herds: 184
Breeding value: November 2018

Production Traits Rel: 97%	
Milk Kg	282
Protein Kg	9.9
Protein %	0.01%
Fat Kg	22.0
Fat %	0.10%

Functional Traits		
Somatic Cell Count		-0.23
Sire Calving %	Calving Stillbirth %	0.1
	Calving Difficulty	0.7
Daughter Calving %	Calving Stillbirth %	-0.9
	Calving Difficulty	0.4
Longevity (days)		56
Persistence %		0.0
Daughter Fertility %		1.2

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,183
Fat %	3.71%
Protein %	3.18%
Kappa Casein: AA	
Beta Casein: A1/A2	

Type Traits → Rel: 78%



- Recommended for heifers
- Different blood line
- Positive milk components

GARDEN 7851

International No. ISRM000000007851

PD 17
644



Sire : Jermin
Sire Dam : Dogit
Born : 22.12.2011
Owner : SION
Daughters: 1,144
Herds: 367
Breeding value: November 2018

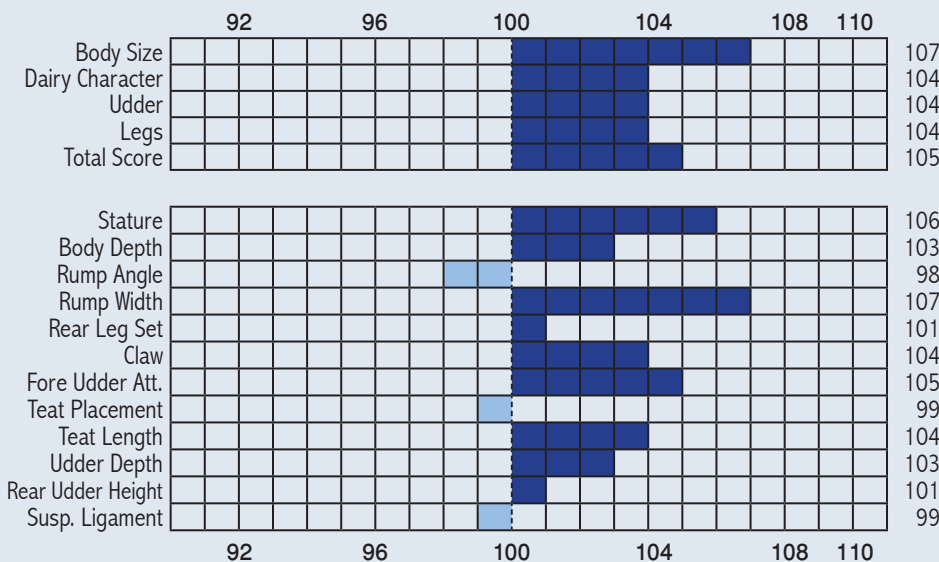
Production Traits Rel: 99%	
Milk Kg	239
Protein Kg	18.3
Protein %	0.09%
Fat Kg	31.3
Fat %	0.19%

Functional Traits		
Somatic Cell Count		0.15
Sire Calving %	Calving Stillbirth %	-0.9
	Calving Difficulty	-1.2
Daughter Calving %	Calving Stillbirth %	0.6
	Calving Difficulty	-0.2
Longevity (days)		96
Persistence %		-1.3
Daughter Fertility %		-0.21

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,397
Fat %	3.82%
Protein %	3.27%

Kappa Casein: NR
Beta Casein: A1/A2

Type Traits → Rel: 85%



- Recommended for heifers
- Excellent milk components
- Excellent conformation characters

GARANTY 7852

International No. ISRM000000007852

PD 17
623



Sire : Jermin
Sire Dam : Marseye
Born : 8.1.2012
Owner : SION
Daughters: 114
Herds: 82
Breeding value: November 2018

Production Traits Rel: 92%

Milk Kg	84
Protein Kg	9.8
Protein %	0.06%
Fat Kg	47.4
Fat %	0.37%

Functional Traits

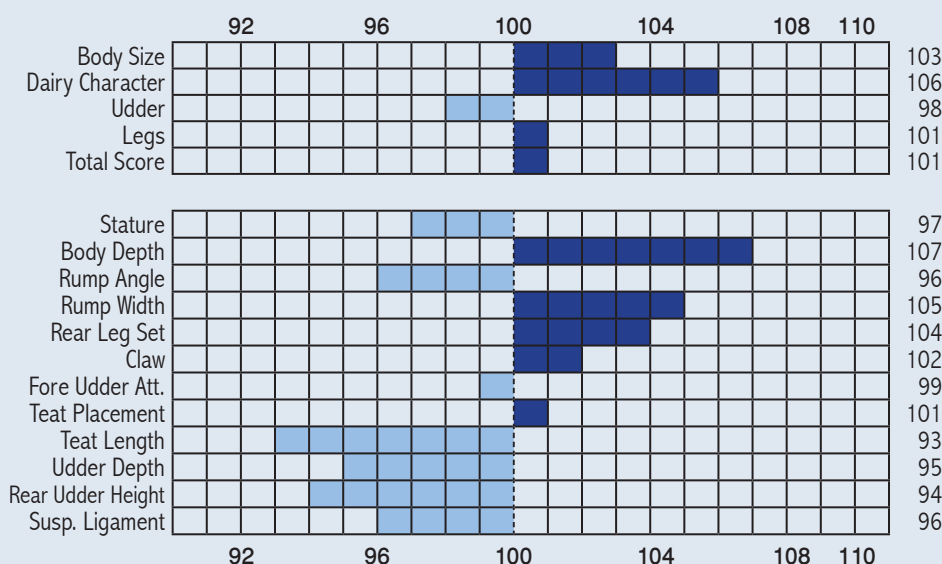
Somatic Cell Count		-0.13
Sire Calving %	Calving Stillbirth %	0.1
	Calving Difficulty	0.9
Daughter Calving %	Calving Stillbirth %	0.0
	Calving Difficulty	0.3
Longevity (days)		49
Persistence %		-1.9
Daughter Fertility %		-1.3

Production summary 1st lactation adjusted for 305 days

Milk Kg	12,086
Fat %	3.99%
Protein %	3.24%

Kappa Casein: BB
Beta Casein: A2/A2

Type Traits → Rel: 71%



- Recommended for heifer
- Superb milk components especially in fat
- Good longevity

JACER 7968

International No. ISRM000000007968

PD 17
348



Sire :Jerom
Sire Dam : Sigar
Born : 14.8.2013
Owner : SION
Daughters: 100
Herds: 76
Breeding value: November 2018

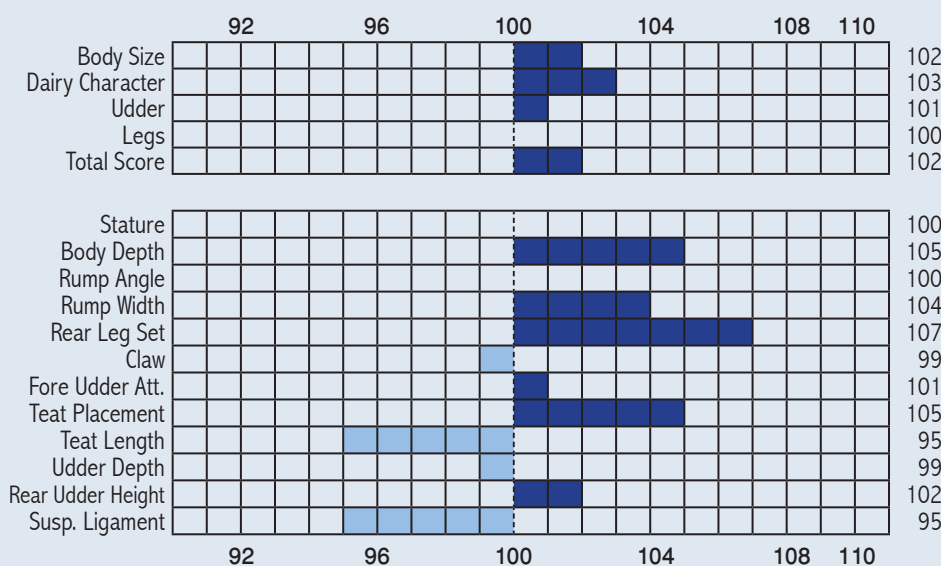
Production Traits Rel: 88%	
Milk Kg	219
Protein Kg	13.9
Protein %	0.06%
Fat Kg	13.4
Fat %	0.05%

Functional Traits		
Somatic Cell Count		0.27
Sire Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	-0.7
Daughter Calving %	Calving Stillbirth %	-0.6
	Calving Difficulty	-0.6
Longevity (days)		-15
Persistence %		-0.8
Daughter Fertility %		1.29

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,148
Fat %	3.71%
Protein %	3.23%

Kappa Casein: BB
Beta Casein: A1/A1

Type Traits → Rel: 64%



- Recommended for heifers
- Good daughter fertility
- High milk components

JESICA 7882

International No. ISRM000000007882

PD 17
658



Sire : Jeyley
Sire Dam : Sigar
Born : 24.4.2012
Owner : SION
Daughters: 332
Herds: 182
Breeding value: November 2018

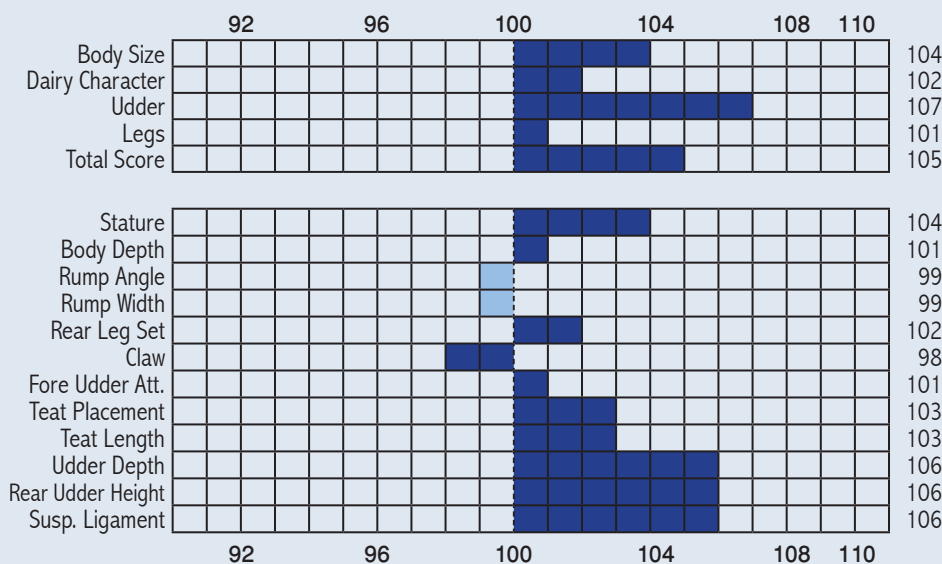
Production Traits Rel: 97%	
Milk Kg	438
Protein Kg	15.6
Protein %	0.02%
Fat Kg	13.2
Fat %	-0.02%

Functional Traits		
Somatic Cell Count		-0.14
Sire Calving %	Calving Stillbirth %	0.1
	Calving Difficulty	-0.6
Daughter Calving %	Calving Stillbirth %	1.0
	Calving Difficulty	-0.4
Longevity (days)		146
Persistence %		1.2
Daughter Fertility %		3.07

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,571
Fat %	3.59%
Protein %	3.17%

Kappa Casein: BB
Beta Casein: A2/A2

Type Traits → Rel: 79%



- Recommended for heifers
- Superb daughter fertility
- Superb udder

MACRO 7559

International No. ISRM000000007559

PD 17
573

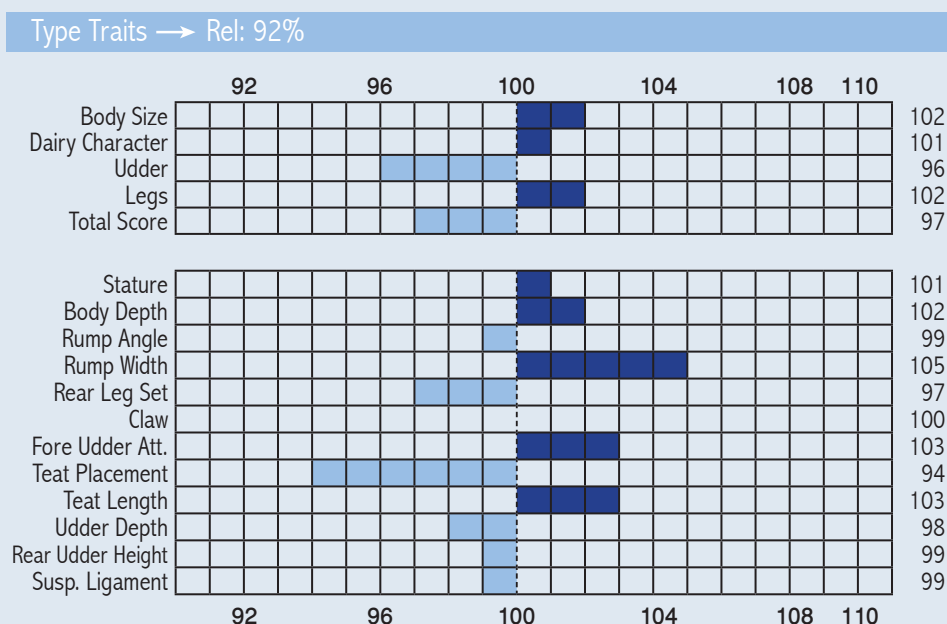


Sire : Mascol
Sire Dam : Arrow
Born : 27.10.2007
Owner : SION
Daughters: 9143
Herds: 579
Breeding value: November 2018

Production Traits Rel: 100%	
Milk Kg	228
Protein Kg	13.1
Protein %	0.05%
Fat Kg	22.0
Fat %	0.11%

Functional Traits		
Somatic Cell Count		-0.07
Sire Calving %	Calving Stillbirth %	-0.5
	Calving Difficulty	0.5
Daughter Calving %	Calving Stillbirth %	0.2
	Calving Difficulty	0.3
Longevity (days)		52
Persistence %		0.5
Daughter Fertility %		2.09

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,208
Fat %	3.71%
Protein %	3.21%
Kappa Casein: AB	
Beta Casein: A2/A2	



- Recommended for heifers
- High milk components
- Very fertile semen

MESUFON 7977

International No. ISRM000000007977

PD 17
299

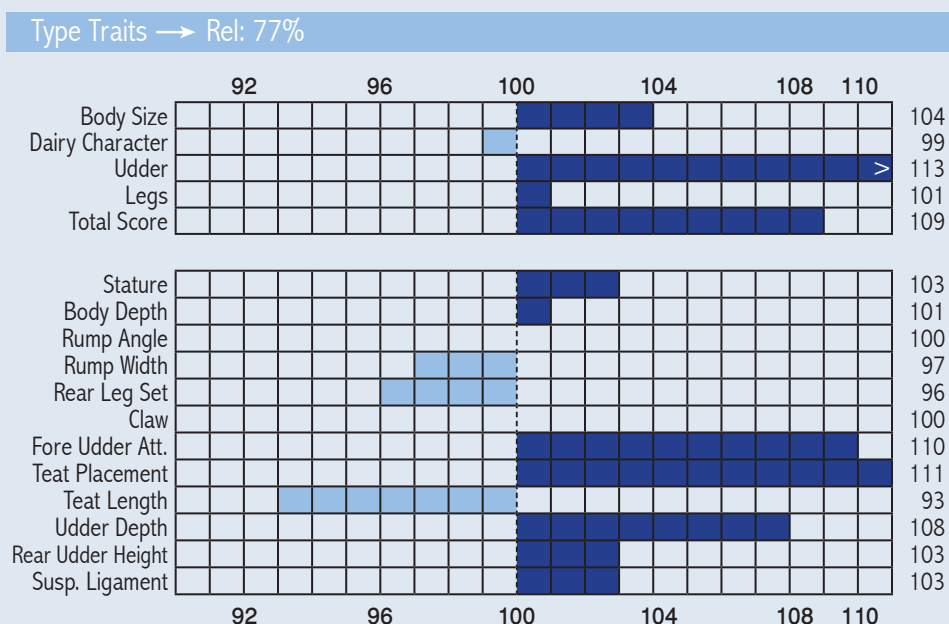


Sire : Massey
Sire Dam : Sufon
Born : 15.9.2013
Owner : SION
Daughters: 472
Herds: 233
Breeding value: November 2018

Production Traits Rel: 97%	
Milk Kg	71
Protein Kg	5.7
Protein %	0.03%
Fat Kg	18.5
Fat %	0.13%

Functional Traits		
Somatic Cell Count		-0.21
Sire Calving %	Calving Stillbirth %	-0.3
	Calving Difficulty	-0.2
Daughter Calving %	Calving Stillbirth %	0.5
	Calving Difficulty	-0.2
Longevity (days)		28
Persistence %		-2.2
Daughter Fertility %		-1.36

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,033
Fat %	3.75%
Protein %	3.20%
Kappa Casein: BB	
Beta Casein: A2/A2	



- Recommended for heifers
- Extremely high milk components
- Excellent conformation characters

PITGAM 7931

International No. ISRM000000007931

PD 17
576



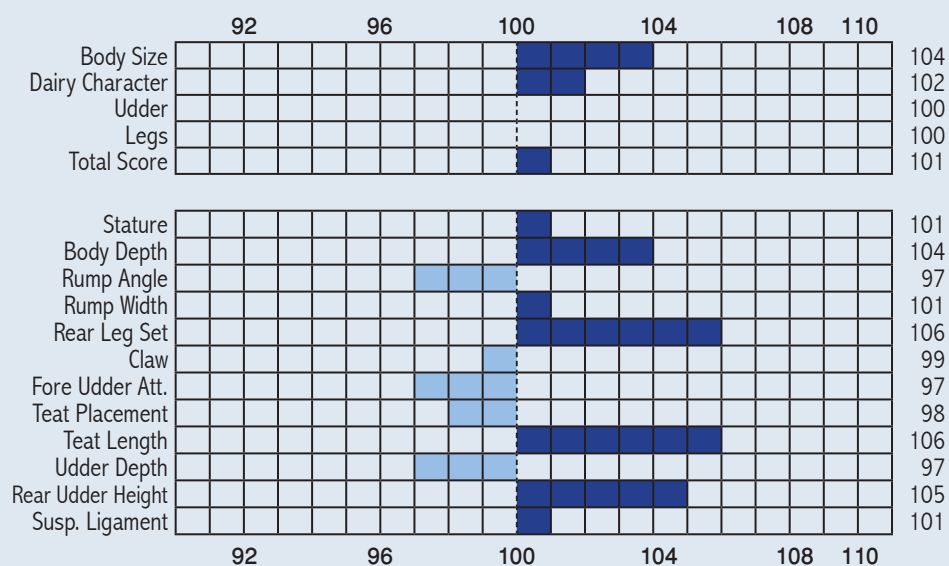
Sire : Patrusha
Sire Dam : Jerom
Born : 30.10.2012
Owner : SION
Daughters: 222
Herds: 129
Breeding value: November 2018

Production Traits Rel: 94%	
Milk Kg	205
Protein Kg	14.4
Protein %	0.07%
Fat Kg	26.8
Fat %	0.16%

Functional Traits		
Somatic Cell Count		-0.23
Sire Calving %	Calving Stillbirth %	0.0
	Calving Difficulty	3.4
Daughter Calving %	Calving Stillbirth %	-0.2
	Calving Difficulty	1.6
Longevity (days)		4
Persistence %		1.4
Daughter Fertility %		-1.45

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,338
Fat %	3.80%
Protein %	3.23%
Kappa Casein: BB	
Beta Casein: A1/A2	

Type Traits → Rel: 74%



- High milk components especially in fat
- Low somatic cells
- High persistency

SAGRIR 7838

International No. ISRM000000007838

PD 17
722



Sire : Sted
Sire Dam : Jermin
Born : 18.8.2011
Owner : SION
Daughters: 79
Herds: 67
Breeding value: November 2018

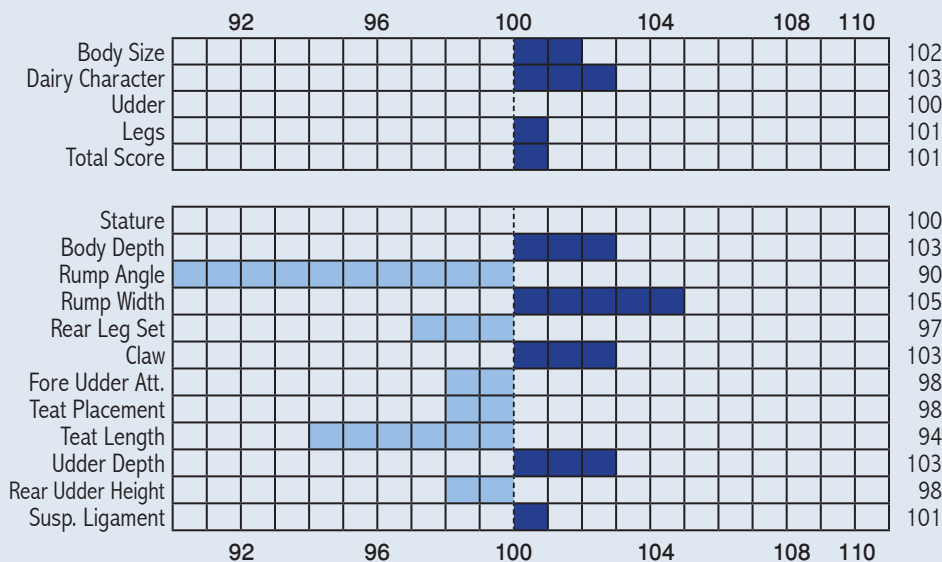
Production Traits Rel: 89%	
Milk Kg	366
Protein Kg	21.3
Protein %	0.08%
Fat Kg	22.7
Fat %	0.08%

Functional Traits		
Somatic Cell Count		-0.25
Sire Calving %	Calving Stillbirth %	1.2
	Calving Difficulty	3.7
Daughter Calving %	Calving Stillbirth %	0.2
	Calving Difficulty	4.4
Longevity (days)		55
Persistence %		0.2
Daughter Fertility %		-0.68

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,397
Fat %	3.64%
Protein %	3.25%

Kappa Casein: AB
Beta Casein: A1/A2

Type Traits → Rel: 62%



- Positive milk components
- Low somatic cells
- Good longevity



SION

ISRAELI COMPANY FOR ARTIFICIAL INSEMINATION & BREEDING LTD

	Pedigree											Production Traits			
	Sires		International No.	Israeli Index PD17	Bull		Born	Daughters	Herds	Rel%	Milk Kg	Protein		Fat	
	Name	No.			Sire	Sire of Dam						Kg	%	Kg	%
1	Buster	7937	ISRM000000007937	308	Bofun	Asa	22.07.2013	468	224	97	217	9.9	0.03	18.9	0.09
2	Doots	7805	ISRM000000007805	532	Dogit	Tsalul	05.01.2011	319	184	97	282	9.9	0.01	22.0	0.10
3	Garden	7851	ISRM000000007851	644	Jermin	Dogit	22.12.2011	1144	367	99	239	18.3	0.09	31.3	0.19
4	Garenty	7852	ISRM000000007852	623	Jermin	Marseye	08.01.2012	114	82	92	84	9.8	0.06	47.4	0.37
5	Jacer	7968	ISRM000000007968	348	Jerom	Sigar	14.08.2013	100	76	88	219	13.9	0.06	13.4	0.05
6	Jesica	7882	ISRM000000007882	658	Jeyjey	Sigar	24.04.2012	332	182	97	438	15.6	0.02	13.2	-0.02
7	Macro	7559	ISRM000000007559	573	Mascol	Arrow	27.10.2007	9143	579	100	228	13.1	0.05	22.0	0.11
8	Mesufon	7977	ISRM000000007977	299	Massey	Sufon	15.09.2013	472	223	97	71	5.7	0.03	18.5	0.13
9	Pitgam	7931	ISRM000000007931	576	Patrusha	Jerom	30.10.2012	222	129	94	205	14.4	0.07	26.8	0.16
10	Sagrir	7838	ISRM000000007838	722	Sted	Jermin	18.08.2011	79	67	89	366	21.3	0.08	22.7	0.08
11	Shizaf	7989	ISRM000000007989	615	Santana	Dogit	27.09.2013	343	194	96	305	12.1	0.02	41.8	0.25
12	Shushan	7933	ISRM000000007933	856	Shandar	Sigar	04.01.2013	216	130	94	713	24.4	0.02	25.9	0.00
13	Sitbon	7631	ISRM000000007631	704	Stop	Badon	01.06.2008	1905	441	99	895	21.8	-0.05	31.4	0.00
14	Vegas	7972	ISRM000000007972	434	Wins	Gasper	30.11.2013	15	13	63	391	13.3	0.01	17.6	0.03
15	Yoel	7854	ISRM000000007854	244	Jermin	Sigar	26.12.2011	106	77	91	237	4.7	-0.02	13.3	0.04

Genomic

1	Arizin	9175	ISRM000000009175	657	Erdman	Zaka	02/12/2016	N/A	N/A	53	747	18.9	-0.03	17.1	-0.08
2	Buggy	9194	ISRM000000009194	792	Barolo	Jerom	22/02/2017	N/A	N/A	51	702	24.6	0.02	18.1	-0.05
3	Busni	9033	ISRM000000009033	563	Borussia	Sadash	15/08/2014	N/A	N/A	55	520	22.0	0.05	23.4	0.04
4	Fagernes	9168	ISRM000000009168	605	Famous	Jermin	19/10/2016	N/A	N/A	53	393	16.4	0.03	13.8	0.00
5	Fajoya	9135	ISRM000000009135	873	Peder	Jeyjey	25/11/2015	N/A	N/A	52	731	23.3	0.00	33.7	0.06
6	Macon	9130	ISRM000000009130	800	Moonray	Argaman	03/01/2016	N/A	N/A	55	730	20.3	-0.02	39.1	0.10
7	Phoenix	9186	ISRM000000009186	504	Famous	Silvan	26/12/2016	N/A	N/A	53	493	16.0	0.00	19.4	0.01
8	Rosario	9120	ISRM000000009120	904	Raleb	Sted	10/10/2015	N/A	N/A	56	581	22.8	0.04	36.2	0.12

		Functional Traits							Production Adjusted 1st Lact			Type Traits	Conformation						
SCC	Sire Calving		Daughter Calving		Longevity (Days)	Persistence %	Daughter Fertility %	Milk Kg	Fat %	Protein %	Rel. %	Body Size	Feet & Legs	Udder Depth	Teat Placement	Udder	Cappa Casein	Beta Casein	
	Stillbirth %	Calving Difficulty %	Stillborn %	Calving Difficulty %															
0.02	0.3	1.7	-0.9	1.5	4	-2.2	-1.53	12,420	3.68	3.19	82	97	98	99	104	101	AA	A2/A2	
-0.23	0.1	0.7	-0.9	0.4	56	-0.0	1.20	12,183	3.71	3.18	78	99	99	101	106	106	AA	A1/A2	
0.15	-0.9	-1.2	0.6	-0.2	96	-1.3	-0.21	12,397	3.82	3.27	85	107	104	103	99	104	NR	A2/A2	
-0.13	0.1	0.9	0.0	0.3	49	-1.9	-1.30	12,086	3.99	3.24	72	103	101	95	101	98	BB	A2/A2	
0.27	0.3	-0.7	-0.6	-0.6	-15	-0.8	1.29	12,148	3.71	3.23	64	102	100	99	105	101	BB	A1/A1	
-0.14	0.1	-0.6	1.0	-0.4	146	1.2	3.07	12,571	3.59	3.17	79	104	101	106	103	107	BB	A2/A2	
-0.07	-0.5	0.5	0.2	0.3	52	0.5	2.09	12,208	3.71	3.21	92	102	102	98	94	96	AB	A2/A2	
-0.21	-0.3	-0.2	0.5	-0.2	28	-2.2	-1.36	12,033	3.75	3.20	77	104	101	108	111	113	BB	A2/A2	
-0.23	0.0	3.4	-0.2	1.6	4	1.4	-1.45	12,338	3.80	3.23	74	104	100	97	98	100	BB	A1/A2	
-0.25	1.2	3.7	0.2	4.4	55	0.2	-0.68	12,397	3.64	3.25	62	102	101	103	98	100	AB	A1/A2	
0.00	1.5	4.1	-0.8	-0.9	21	-1.5	-0.02	12,429	3.85	3.16	80	116	106	106	115	114	BE	A1/A2	
-0.18	0.9	1.3	-0.1	2.1	110	0.2	0.09	12,865	3.64	3.18	76	109	101	105	98	105	AB	A1/A2	
0.20	-0.9	-1.3	0.7	-1.4	78	0.2	-0.50	12,946	3.60	3.09	86	104	98	95	103	97	AA	A2/A2	
0.01	-0.2	1.3	-0.6	-0.5	90	1.2	1.36	12,714	3.56	3.11	58	98	101	102	103	104	AA	A2/A2	
-0.08	1.6	0.5	1.7	0.0	13	-2.8	1.46	12,344	3.63	3.13	64	105	102	101	101	103	AB	A1/A2	

-0.01	0.0	1.4	-2.1	0.5	129	1.6	0.51	N/A	N/A	N/A	56	103	101	106	106	107	AB	A1/A2
-0.03	0.4	2.1	-0.9	0.2	143	-0.6	1.07	N/A	N/A	N/A	56	102	103	109	104	111	BB	A1/A2
0.36	0.1	-1.3	-3.0	0.0	35	-0.8	-0.53	N/A	N/A	N/A	56	104	101	105	109	107	AB	A2/A2
-0.20	0.1	1.3	-0.4	0.2	63	0.2	1.39	N/A	N/A	N/A	56	104	104	106	103	109	AB	A2/A2
-0.13	-0.4	-0.6	-1.5	0.1	102	-0.5	-0.20	N/A	N/A	N/A	56	102	101	102	105	105	AA	A2/A2
0.07	0.7	0.9	-2.0	-0.2	105	-1.4	0.02	N/A	N/A	N/A	56	102	102	99	107	102	NR	NR
0.00	-0.5	1.4	0.2	0.4	28	0.6	-0.68	N/A	N/A	N/A	56	102	104	107	102	107	AA	A2/A2
-0.32	1.3	2.3	1.4	1.0	127	0.3	-1.96	N/A	N/A	N/A	56	103	103	100	99	102	AA	A1/A2

SHIZAF 7989

International No. ISRM000000007989

PD 17
615



Sire : Santana
Sire Dam : Dogit
Born : 27.9.2013
Owner : SION
Daughters: 343
Herds: 194
Breeding value: November 2018

Production Traits Rel: 96%

Milk Kg	305
Protein Kg	12.1
Protein %	0.02%
Fat Kg	41.8
Fat %	0.25%

Functional Traits

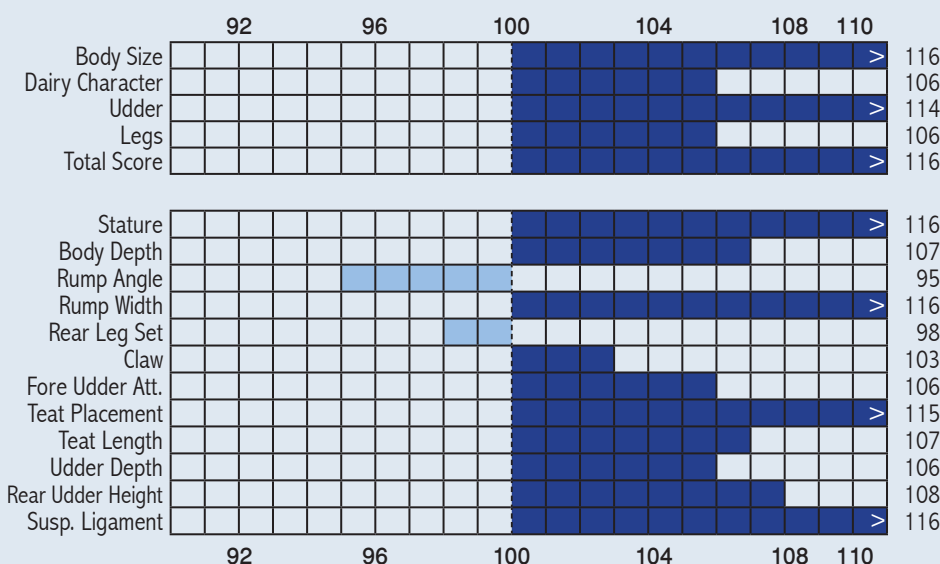
Somatic Cell Count		0.0
Sire Calving %	Calving Stillbirth %	1.5
	Calving Difficulty	4.1
Daughter Calving %	Calving Stillbirth %	-0.8
	Calving Difficulty	-0.9
Longevity (days)		21
Persistence %		-1.5
Daughter Fertility %		-0.02

Production summary 1st lactation adjusted for 305 days

Milk Kg	12,429
Fat %	3.85%
Protein %	3.16%

Kappa Casein: BE
Beta Casein: A1/A2

Type Traits → Rel: 80%



- Different blood line
- Superb milk components especially in fat
- Excellent conformation characters

SHUSHAN 7933

International No. ISRM000000007933

PD 17
856



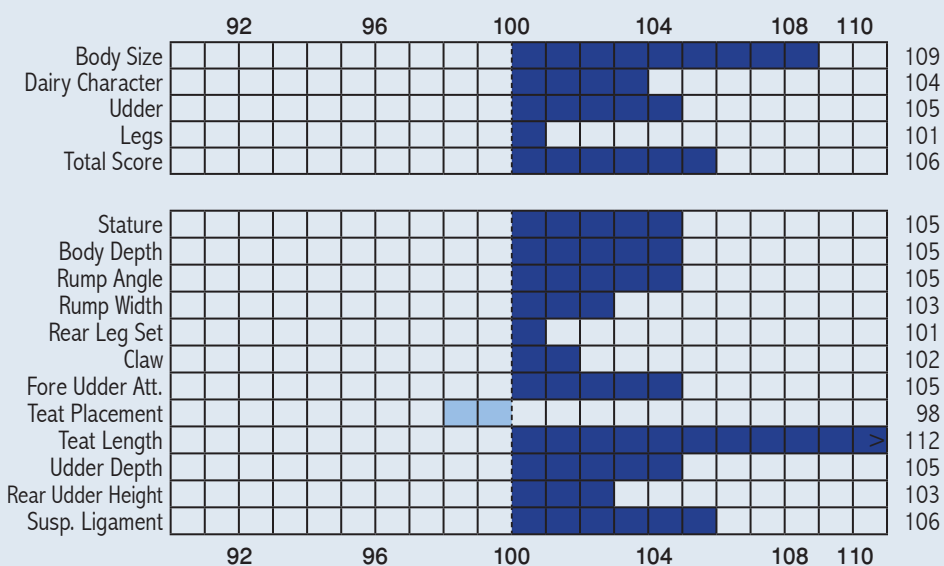
Sire : Shandar
Sire Dam : Sigar
Born : 4.1.2013
Owner : SION
Daughters: 216
Herds: 130
Breeding value: November 2018

Production Traits Rel: 94%	
Milk Kg	713
Protein Kg	24.4
Protein %	0.02%
Fat Kg	25.9
Fat %	0.00%

Functional Traits		
Somatic Cell Count		-0.18
Sire Calving %	Calving Stillbirth %	0.9
	Calving Difficulty	1.3
Daughter Calving %	Calving Stillbirth %	-0.1
	Calving Difficulty	2.1
Longevity (days)		110
Persistence %		0.2
Daughter Fertility %		0.09

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,865
Fat %	3.64%
Protein %	3.18%
Kappa Casein: AB	
Beta Casein: A1/A2	

Type Traits → Rel: 76%



- Different blood line
- High milk yield
- Superb longevity

SITBON 7631

International No. ISRM000000007631

PD 17
704



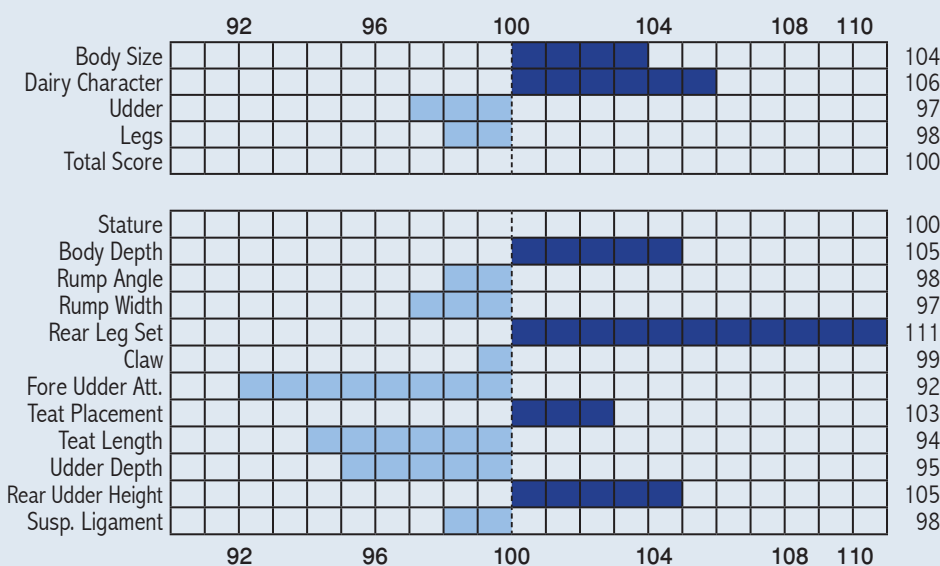
Sire : Stop
Sire Dam : Badon
Born : 1.6.2008
Owner : SION
Daughters: 1905
Herds: 441
Breeding value: November 2018

Production Traits Rel: 99%	
Milk Kg	895
Protein Kg	21.8
Protein %	-0.05%
Fat Kg	31.4
Fat %	0.00%

Functional Traits		
Somatic Cell Count		0.2
Sire Calving %	Calving Stillbirth %	-0.9
	Calving Difficulty	-1.3
Daughter Calving %	Calving Stillbirth %	0.7
	Calving Difficulty	-1.4
Longevity (days)		78
Persistence %		0.2
Daughter Fertility %		-0.5

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,946
Fat %	3.60%
Protein %	3.09%
Kappa Casein: AA	
Beta Casein: A2/A2	

Type Traits → Rel: 86%



- Recommended for heifers
- High milk yield
- Good persistency

VEGAS 7972

International No. ISRM000000007972

PD 17
434



Sire : Wins
Sire Dam : Gasper
Born : 30.11.2013
Owner : SION
Daughters: 15
Herds: 13
Breeding value: November 2018

Production Traits Rel: 63%

Milk Kg	391
Protein Kg	13.3
Protein %	0.01%
Fat Kg	17.6
Fat %	0.03%

Functional Traits

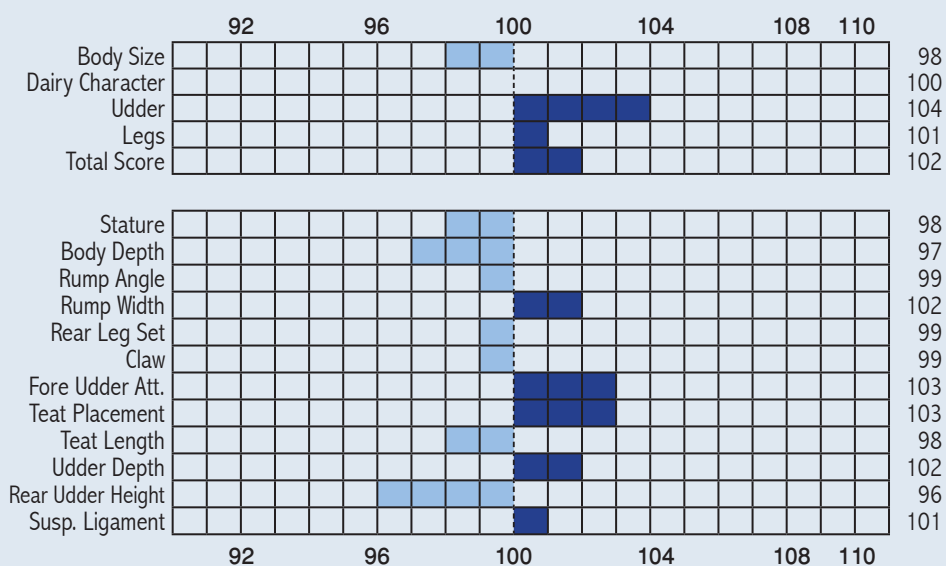
Somatic Cell Count		0.01
Sire Calving %	Calving Stillbirth %	-0.2
	Calving Difficulty	1.3
Daughter Calving %	Calving Stillbirth %	-0.6
	Calving Difficulty	-0.5
Longevity (days)		90
Persistence %		1.2
Daughter Fertility %		1.36

Production summary 1st lactation adjusted for 305 days

Milk Kg	12,714
Fat %	3.56%
Protein %	3.11%

Kappa Casein: AA
Beta Casein: A2/A2

Type Traits → Rel: 58%



- Recommended for heifers
- Different blood line
- Superb daughter fertility

YOEL 7854

International No. ISRM000000007854

PD 17
244



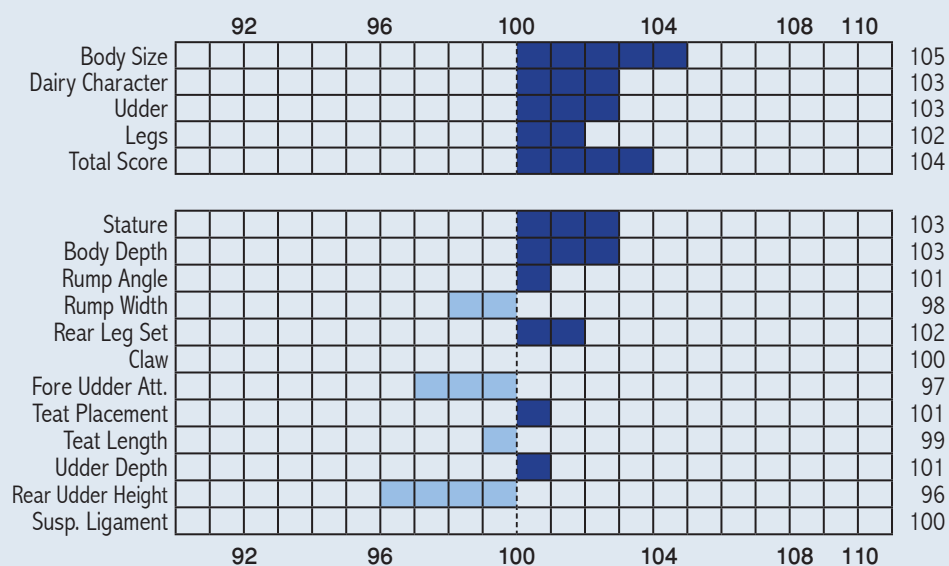
Sire : Jermin
Sire Dam : Sigar
Born : 26.12.2011
Owner : SION
Daughters: 106
Herds: 77
Breeding value: November 2018

Production Traits Rel: 91%	
Milk Kg	237
Protein Kg	4.7
Protein %	-0.02%
Fat Kg	13.3
Fat %	0.04%

Functional Traits		
Somatic Cell Count		-0.08
Sire Calving %	Calving Stillbirth %	1.6
	Calving Difficulty	0.5
Daughter Calving %	Calving Stillbirth %	1.7
	Calving Difficulty	0.0
Longevity (days)		13
Persistence %		-2.8
Daughter Fertility %		1.46

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,344
Fat %	3.63%
Protein %	3.13%
Kappa Casein: AB	
Beta Casein: A1/A2	

Type Traits → Rel: 64%



- Recommended for heifers
- Excellent daughter fertility
- Balanced conformation characters

ARIZIN 9175

International No. ISRM000000009175

PD 17
657



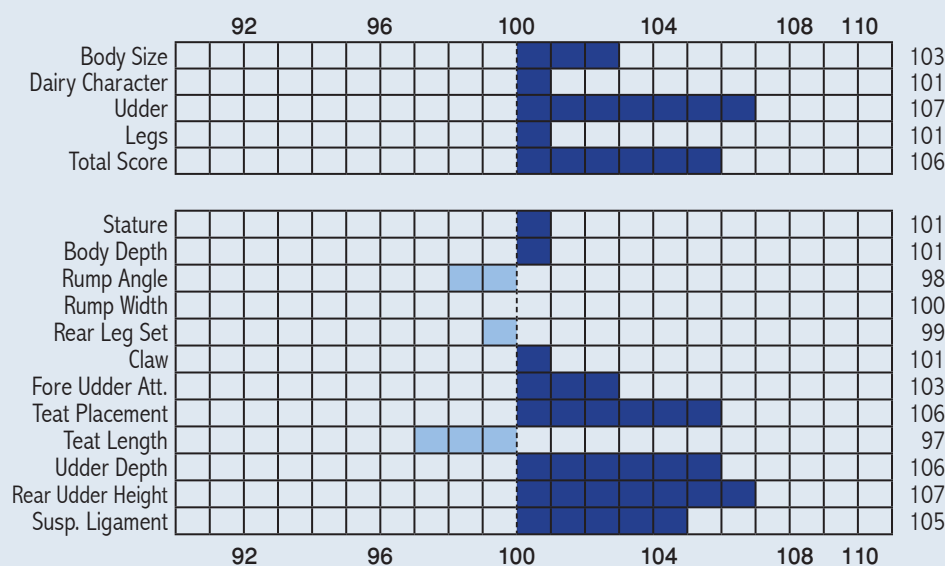
Sire : Erdman
Sire Dam : Zaka
Born : 02.12.2016
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits Rel: 53%	
Milk Kg	747
Protein Kg	18.9
Protein %	-0.03%
Fat Kg	17.1
Fat %	-0.08%

Functional Traits		
Somatic Cell Count		-0.01
Sire Calving %	Calving Stillbirth %	0.0
	Calving Difficulty	1.4
Daughter Calving %	Calving Stillbirth %	-2.1
	Calving Difficulty	0.5
Longevity (days)		129
Persistence %		1.6
Daughter Fertility %		0.51

Kappa Casein: AB
Beta Casein: A1/A2

Type Traits → Rel: 56%

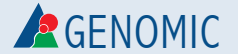


- High longevity
- Very good persistency
- Very good udder & legs

BUGGY 9194

International No. ISRM000000009194

PD 17
792



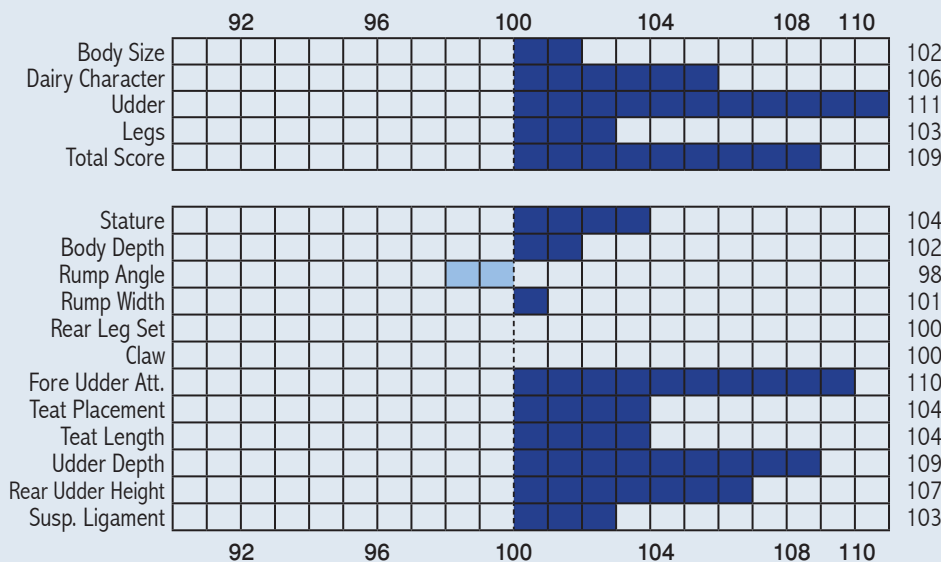
Sire : Barolo
Sire Dam : Jerom
Born : 22.02.2017
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits Rel: 51%	
Milk Kg	702
Protein Kg	24.6
Protein %	0.02%
Fat Kg	18.1
Fat %	-0.05%

Functional Traits		
Somatic Cell Count		-0.03
Sire Calving %	Calving Stillbirth %	0.4
	Calving Difficulty	2.1
Daughter Calving %	Calving Stillbirth %	-0.9
	Calving Difficulty	0.2
Longevity (days)		143
Persistence %		-0.6
Daughter Fertility %		1.07

Kappa Casein: BB
Beta Casein: A1/A2

Type Traits → Rel: 56%

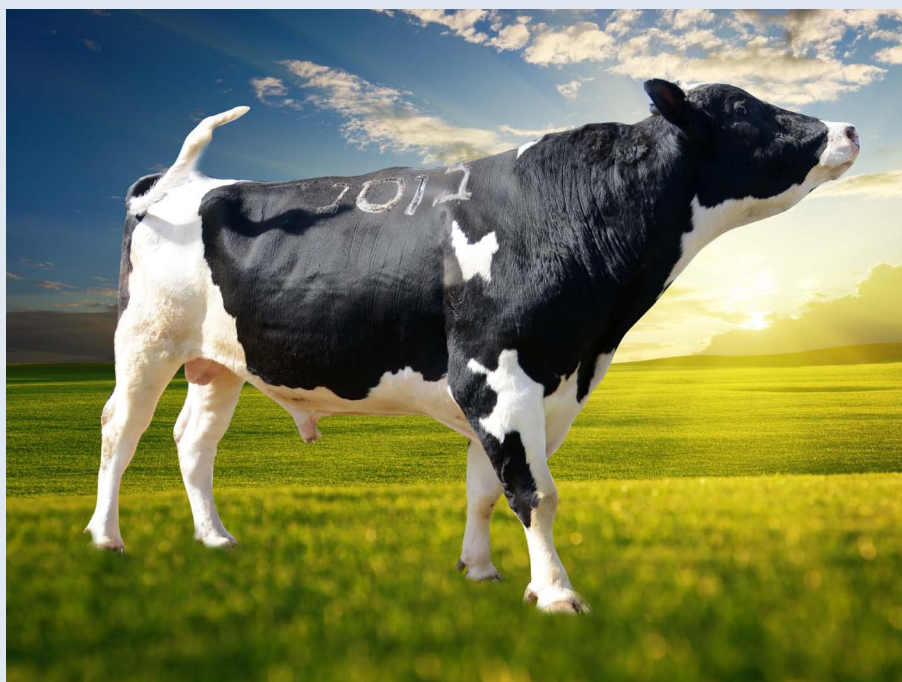


- High milk yield
- Superb longevity
- Excellent udder

BUSNI 9033

International No. ISRM000000009033

PD 17
563



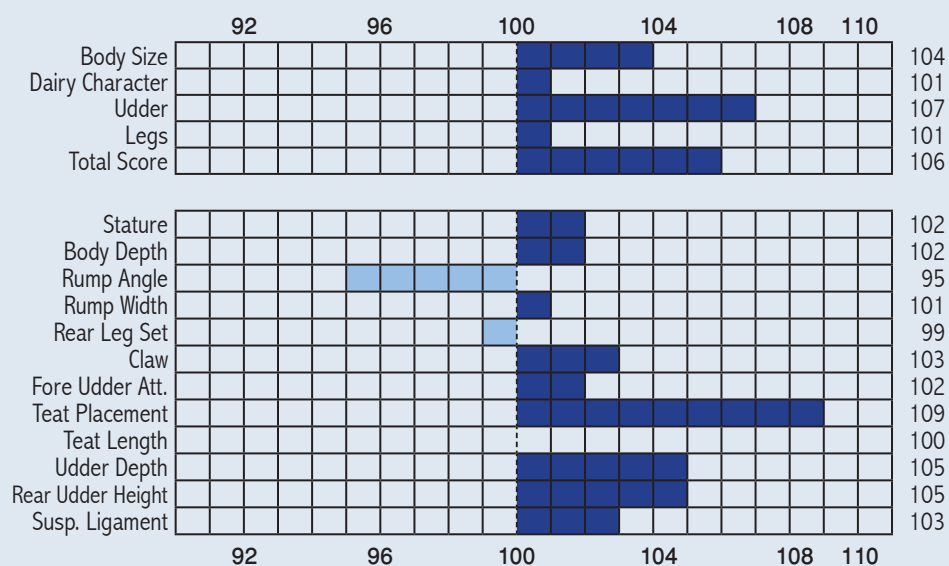
Sire : Borussia
Sire Dam : Sadash
Born : 15.08.2014
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits Rel: 55%	
Milk Kg	520
Protein Kg	22.0
Protein %	0.05%
Fat Kg	23.4
Fat %	0.04%

Functional Traits		
Somatic Cell Count		0.36
Sire Calving %	Calving Stillbirth %	0.1
	Calving Difficulty	-1.3
Daughter Calving %	Calving Stillbirth %	-3.0
	Calving Difficulty	0.0
Longevity (days)		35
Persistence %		-0.8
Daughter Fertility %		-0.53

Kappa Casein: AB
Beta Casein: A2/A2

Type Traits → Rel: 56%

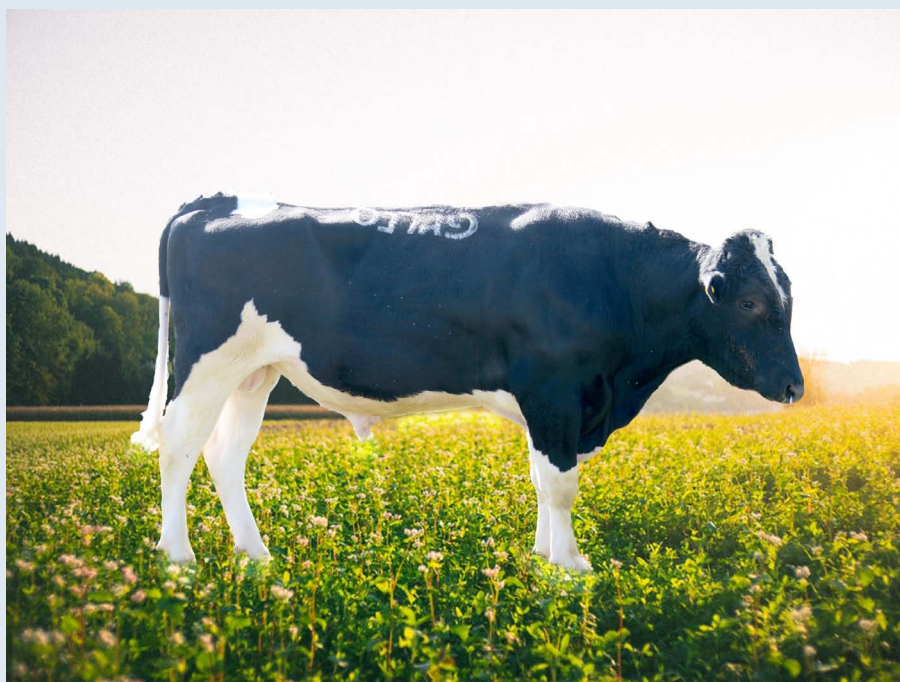


- Recommended for heifers
- Different blood line
- Positive milk components

FAGERNES 9168

International No. ISRM000000009168

PD 17
605



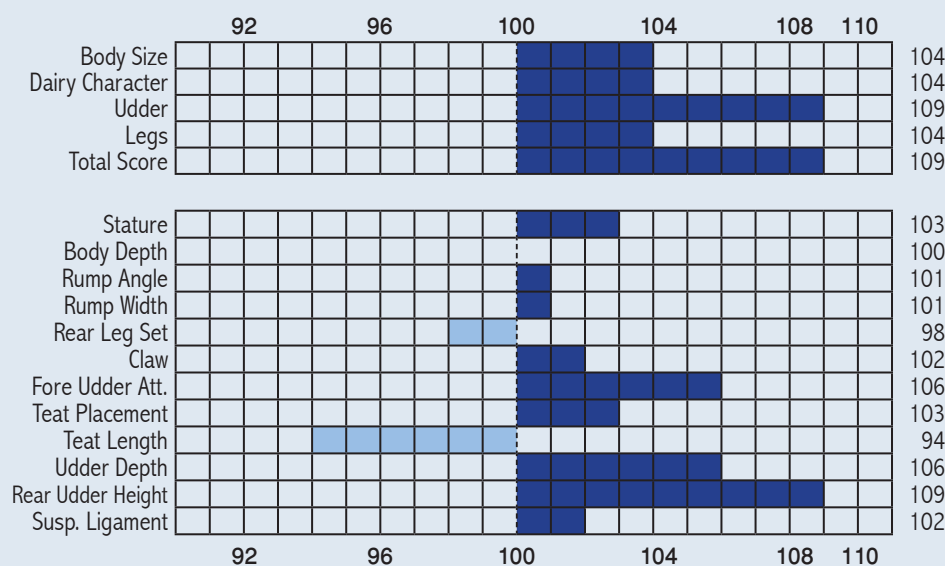
Sire : Famous
Sire Dam : Jermin
Born : 19.10.2016
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits	Rel: 53%
Milk Kg	393
Protein Kg	16.4
Protein %	0.03%
Fat Kg	13.8
Fat %	0.00%

Functional Traits		
Somatic Cell Count		-0.20
Sire Calving %	Calving Stillbirth %	0.1
	Calving Difficulty	1.3
Daughter Calving %	Calving Stillbirth %	-0.4
	Calving Difficulty	0.2
Longevity (days)		63
Persistence %		0.2
Daughter Fertility %		1.39

Kappa Casein: AB
Beta Casein: A2/A2

Type Traits → Rel: 56%

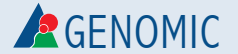


- Low somatic cells
- Good daughter fertility
- Very good udder & legs

FAJOYA 9135

International No. ISRM000000009135

PD 17
873



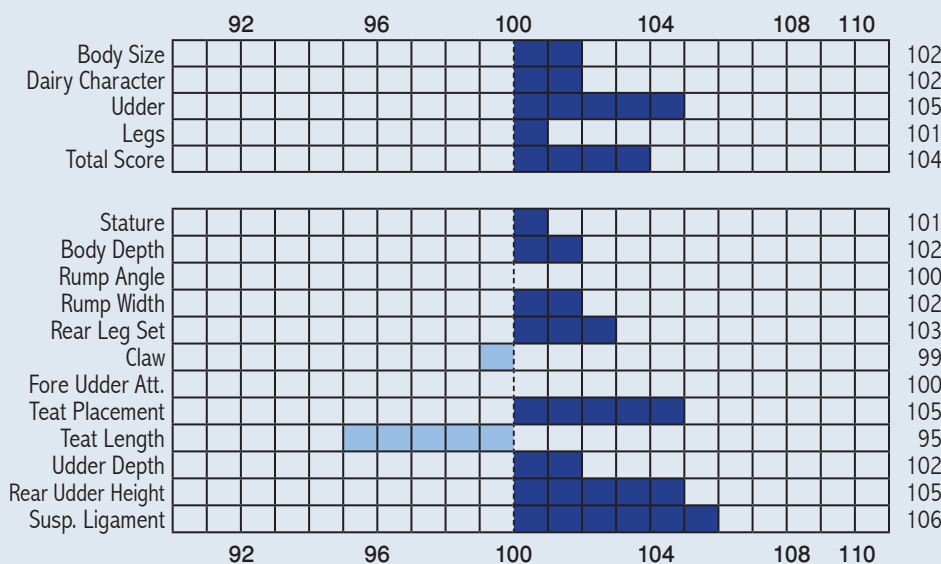
Sire : Peder
Sire Dam : Jeyjey
Born : 25.11.2015
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits Rel: 52%	
Milk Kg	731
Protein Kg	23.3
Protein %	0.00%
Fat Kg	33.7
Fat %	0.06%

Functional Traits		
Somatic Cell Count		-0.13
Sire Calving %	Calving Stillbirth %	-0.4
	Calving Difficulty	-0.6
Daughter Calving %	Calving Stillbirth %	-1.5
	Calving Difficulty	0.1
Longevity (days)		102
Persistence %		-0.5
Daughter Fertility %		-0.20

Kappa Casein: AA
Beta Casein: A2/A2

Type Traits → Rel: 56%



- Recommended for heifers
- High milk yield
- Good longevity

MACON 9130

International No. ISRM000000009130

PD 17
800



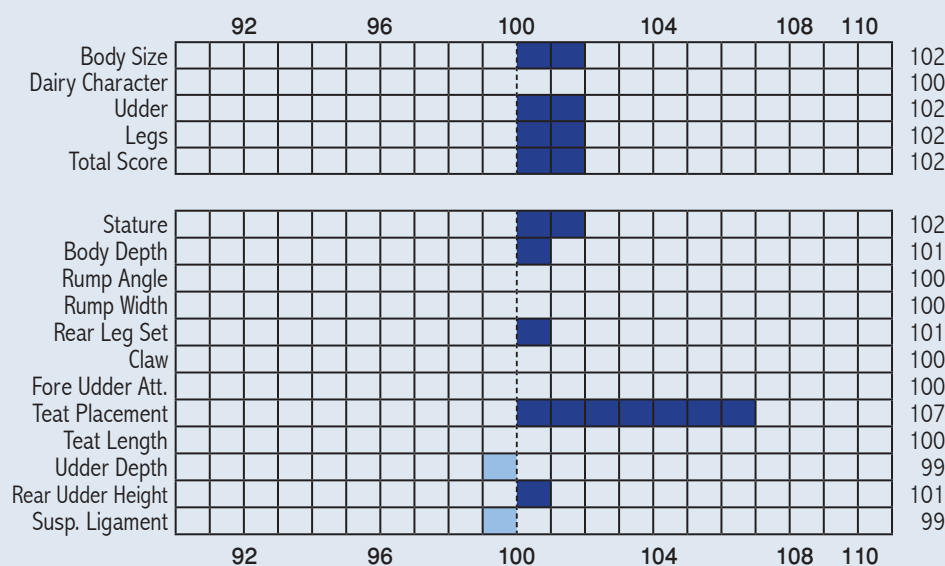
Sire : Moonray
Sire Dam : Argaman
Born : 01.03.2016
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits Rel: 55%	
Milk Kg	730
Protein Kg	20.3
Protein %	-0.02%
Fat Kg	39.1
Fat %	0.10%

Functional Traits		
Somatic Cell Count		0.07
Sire Calving %	Calving Stillbirth %	0.7
	Calving Difficulty	0.9
Daughter Calving %	Calving Stillbirth %	-2.0
	Calving Difficulty	-0.2
Longevity (days)		105
Persistence %		-1.4
Daughter Fertility %		0.02

Kappa Casein: NR
Beta Casein: NR

Type Traits → Rel: 56%



- Recommended for heifers
- Good longevity
- Very good udder & legs

PHOENIX 9186

International No. ISRM000000009186

PD 17
504



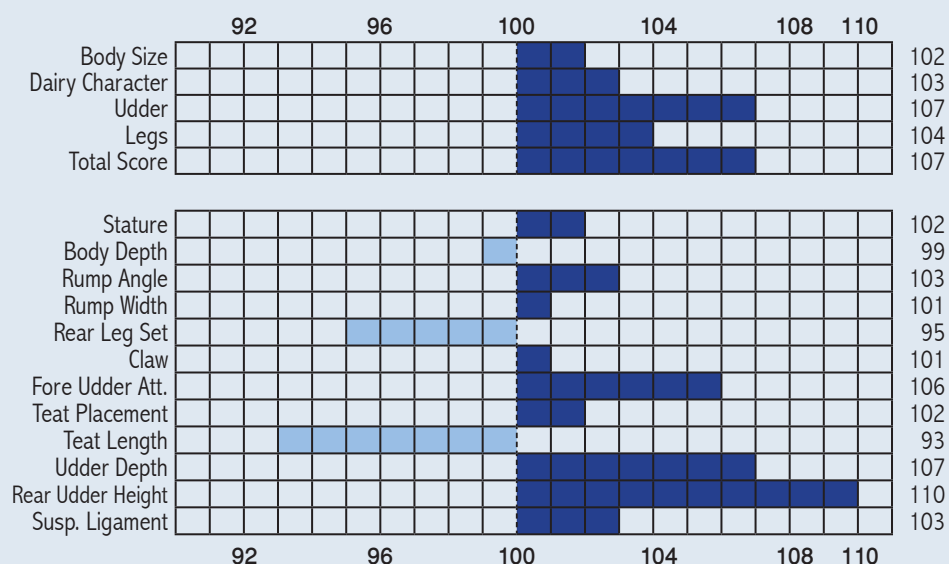
Sire : Famous
Sire Dam : Silvan
Born : 26.12.2016
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits Rel: 53%	
Milk Kg	493
Protein Kg	16.0
Protein %	0.00%
Fat Kg	19.4
Fat %	0.01%

Functional Traits		
Somatic Cell Count		0.00
Sire Calving %	Calving Stillbirth %	-0.5
	Calving Difficulty	1.4
Daughter Calving %	Calving Stillbirth %	0.2
	Calving Difficulty	0.4
Longevity (days)		28
Persistence %		0.6
Daughter Fertility %		-0.68

Kappa Casein: AA
Beta Casein: A2/A2

Type Traits → Rel: 56%



- Balanced milk components
- Different blood line
- Very good udder

ROSARIO 9120

International No. ISRM000000009120

PD 17
904



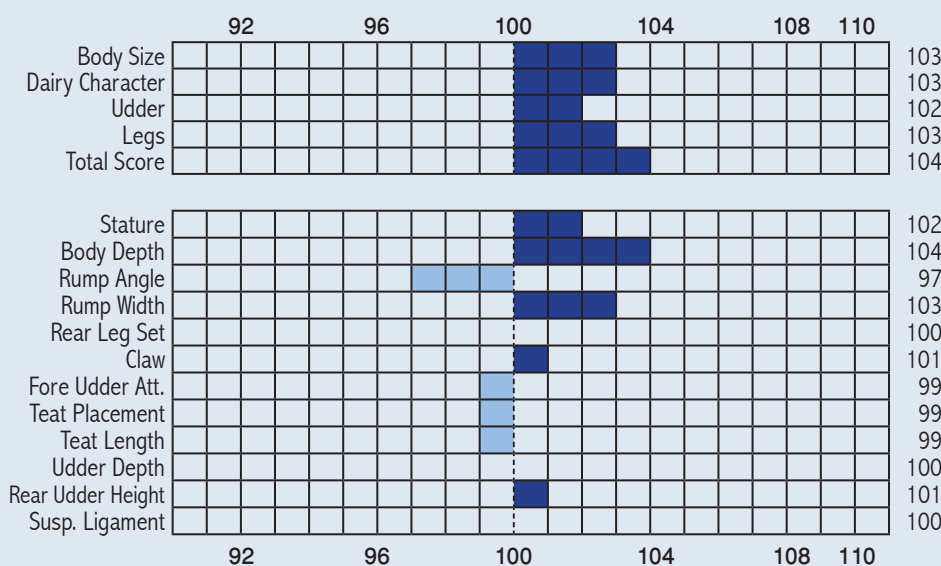
Sire : Raleb
Sire Dam : Sted
Born : 10.10.2015
Owner : SION
Daughters: G
Herds: G
Breeding value: November 2018

Production Traits	Rel: 56%
Milk Kg	581
Protein Kg	22.8
Protein %	0.04%
Fat Kg	36.2
Fat %	0.12%

Functional Traits		
Somatic Cell Count		-0.32
Sire Calving %	Calving Stillbirth %	1.3
	Calving Difficulty	2.3
Daughter Calving %	Calving Stillbirth %	1.4
	Calving Difficulty	1.0
Longevity (days)		127
Persistence %		0.3
Daughter Fertility %		-1.96

Kappa Casein: AA
Beta Casein: A1/A2

Type Traits → Rel: 56%



- Superb milk components especially in fat
- Low somatic cells
- Superb longevity

Terms and Abbreviations

The information for all bulls listed is from the Israel Cattle Breeders Association (ICBA).

Data	ICBA November, 2018 genetic evaluation calculated. Fixed base = mean of daughters born in the year 2010 set to zero.	Persistence	Measured as the ratio of milk yield 220-240 days post partum to peak yield (40 to 60 days post partum, depending on parity). Higher percentage is favorable.
PD17	Israeli breeding index. The PD17 is the criterion for ranking bulls and cows in Israel.	Calving difficulty	Expressed as percentage of incidence of dystocia. Negative values are favorable.
The PD17 calculation	$(8.5 * \text{Kg Fat}) + (21.2 * \text{Kg Protein}) + (0.6 * \text{Durability}) + (26 * \text{Fertility}) + (-300 * \text{SCC}) + (10 * \text{Persistence}) + (-9 * \text{Bull daughter calving index})$.	Bull daughters calving index	The sum of percent dystocia and still births. Less than 1.6% is appropriate for heifers. Negative values are favorable.
Reliability (REL)	An indication of the degree of accuracy of the proof. A higher REL indicates better reliability of the proof.	Conformation	Four quality traits and 12 linear traits are scored. The mean is 100 and standard deviation is 6 for all traits. Positive values are favorable.
Somatic Cell Count (SCC)	Is highly correlated with mastitis. Minus indicates higher resistance to mastitis and is favorable.	TV	Tested as free of CVM (Cervical Vertebral Malformation).
Fertility	Scored as the inverse of the number of inseminations to conception, recorded in parities 1-5. Each cow that is not reinseminated is vet checked for pregnancy. Plus is favorable.		
Durability	Measured in days from first calving to culling. Durability is predicted for cows that are still milking. The mean is 1,155 days. Plus is favorable.		



Alon Inbar
CEO SION Israel
Alon@Sion-Israel.com
Mobile: +972-(0)50-5320-242



Dr. Yoel Zeron
Professional Director & Export/Import Manager
Director of Science and Production
Yoel@Sion-Israel.com
Mobile: +972-(0)54-670-4490



Dr. Amir Shiffman
Operations Manager & Customer Service Manager
Amir@Sion-Israel.com
Mobile: +972-(0)54-670-4480

Producer: Rachel Wittert-Ashur
Design: Adva Hochman Bokobza
Photography: Adva Hochman Bokobza, Rami Cohen Smali, Gali Shorer, Amir Shiffman
Data: Israel Cattle Breeders Association (ICBA)
Photographer's Assistants: Eli Abutbul, Ya'akov Salach, Amnon Rozenberg and Avi Hasson.





SION AI & BREEDING COMPANY

Gedera Post Office

POBox 98373

Gedera 7057102

ISRAEL

Tel : +972-(0)8-8592812/3

Fax : +972-(0)8-8593381

E-mail : rachel@sion-israel.com

www.sion-israel.com