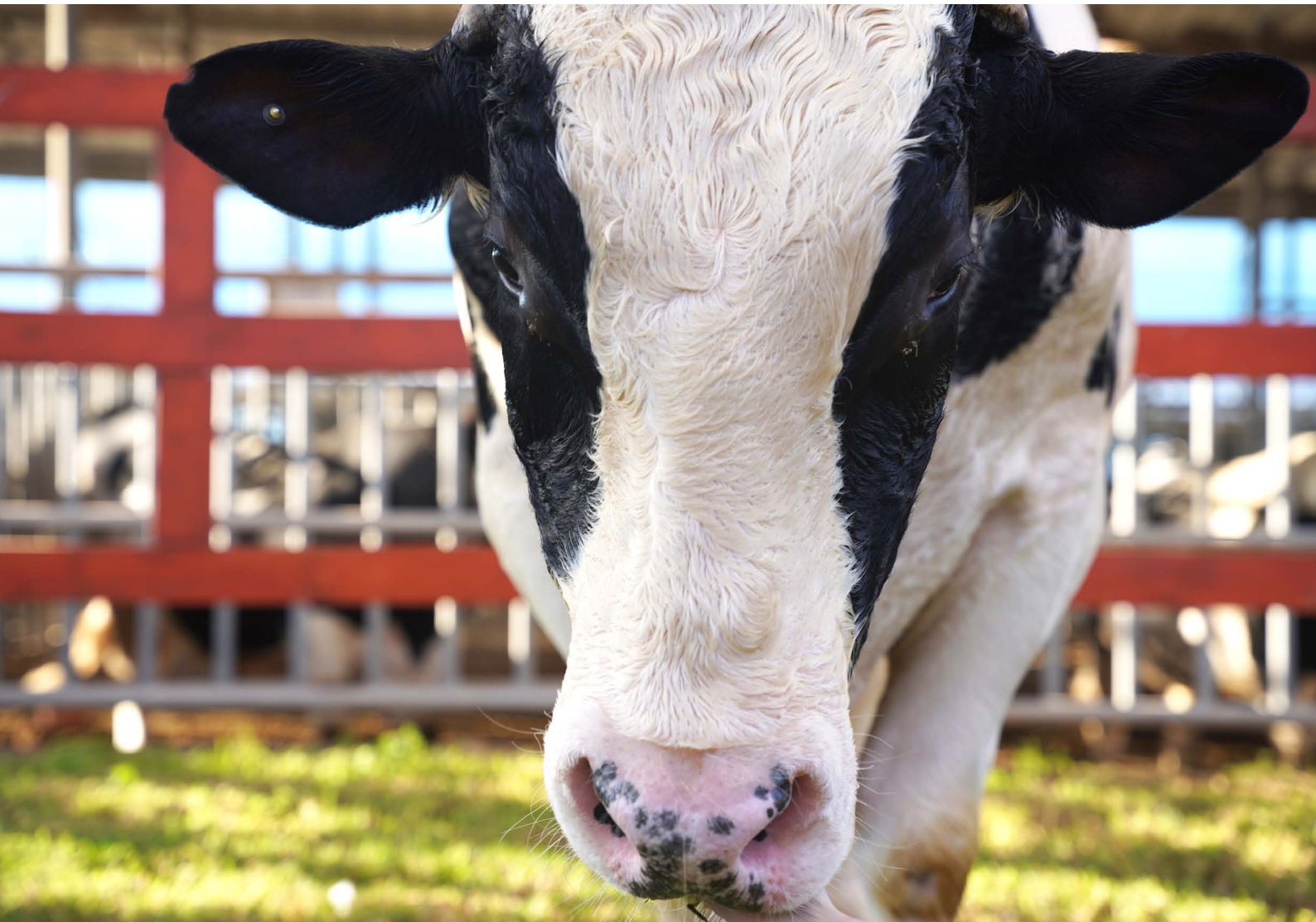


Israeli Holstein Bulls Catalogue 2023



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



ISRAELI COMPANY FOR ARTIFICIAL INSEMINATION & BREEDING LTD

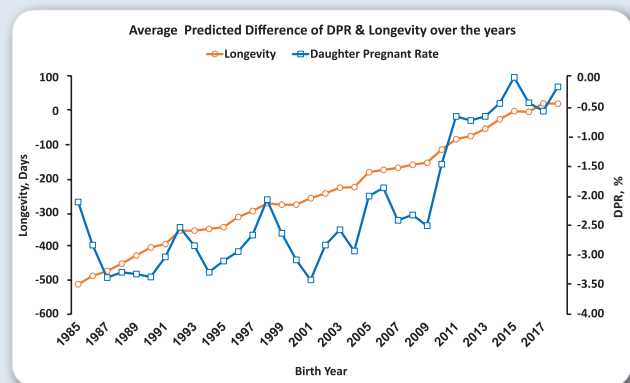
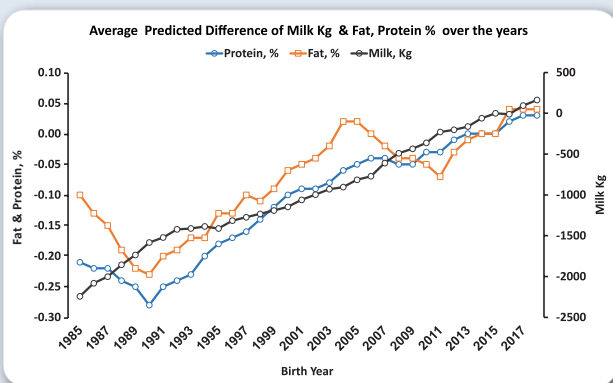


Breeding the most productive cow in the world

SION's Profile of Excellence

- Sion is Israel's top company for artificial insemination and the only company producing frozen Israeli Holstein Bulls' semen.
- The Israeli long lasting breeding legacy has placed the Israeli dairy farms at the top of the world's milk production.
- Sion's bulls, with their excellent genetic traits, combined with professional management, ensure high producing dairy cows, despite the hot and humid climate
- The Israeli fine genetics, which are most suitable for the local climate conditions, add higher value to the milk producers.
- Sion's large variety of bulls ensures best match for each cow.
- Sion's data reliability assures trustworthy and dependable genetic parameters.
- The Israeli cow is smaller and more efficient by nutrition/Kg milk and easy to manage in the dairy farm.

The Israeli cow is the **highest in the world** in milk production, solid components and persistency



ABRAAMS 9236

International No. ISRM000000009236

PD 20
554



Sire : S-S-I Headway Alltime

Sire Dam : Aise

Born : 24.09.2017

Owner : SION

Daughters: 203

Herds: 127

Breeding value: October 2022

Production Traits Rel: 94%	
Milk Kg	135
Fat Kg	22.4
Fat %	0.14%
Protein Kg	8.2
Protein %	0.03%

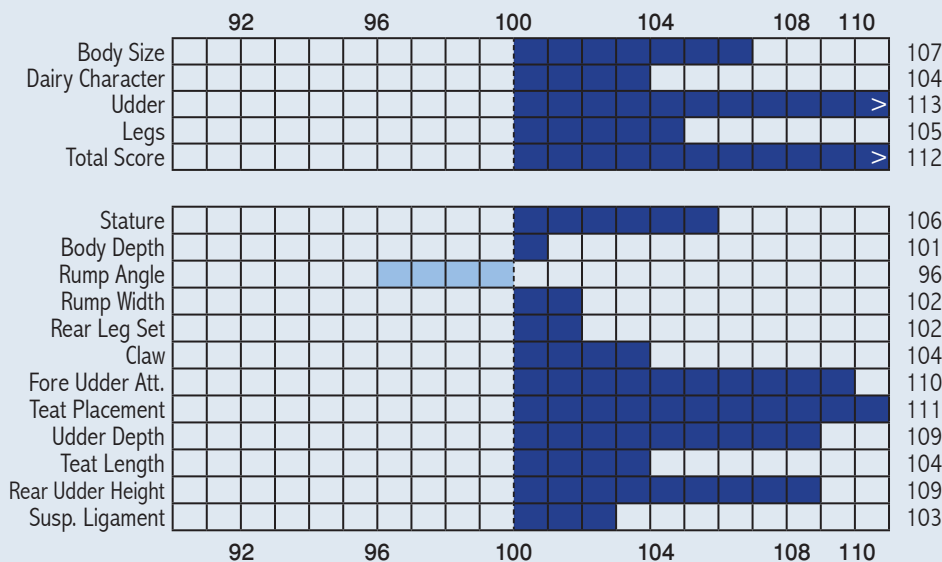
Functional Traits		
Somatic Cell Count		-0.36
Daughter Fertility %		0.01
Longevity (days)		57
Persistence %		2.7
Sire Calving %	Calving Stillbirth %	1.4
	Calving Difficulty	-0.5
Daughter Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	0.2

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,230
Fat %	3.94%
Protein %	3.28%

Cappa Casein: AB

Beta Casein: A1/A2

Type Traits → Rel: 75%



- Most Fertile semen
- High milk components
- Very good persistency

ACHILES 9248

International No. ISRM000000009248

PD 20
874



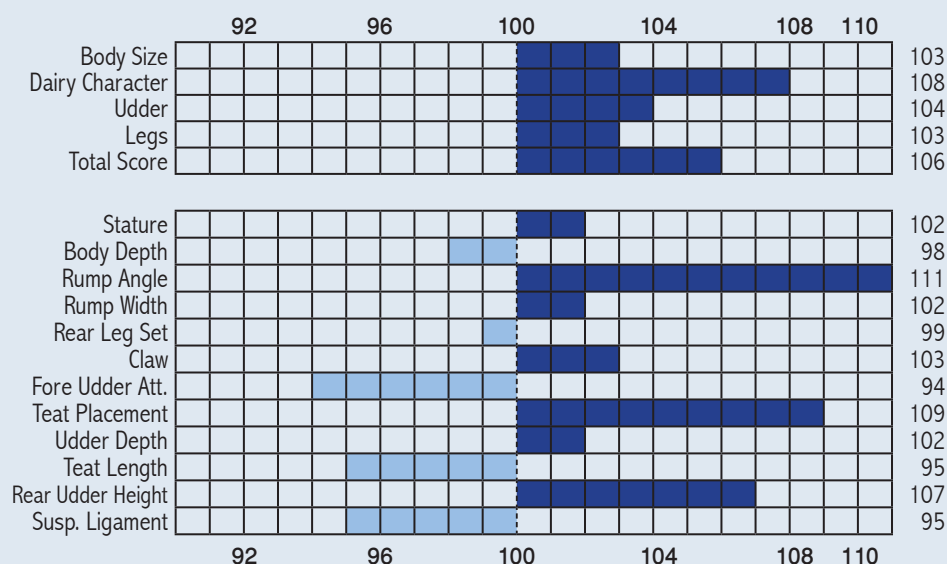
Sire : Isar
Sire Dam : Argaman
Born : 08.08.2017
Owner : SION
Daughters: 655
Herds: 269
Breeding value: October 2022

Production Traits Rel: 98%	
Milk Kg	491
Fat Kg	27.1
Fat %	0.07%
Protein Kg	25.8
Protein %	0.08%

Functional Traits		
Somatic Cell Count		-0.24
Daughter Fertility %		-0.97
Longevity (days)		146
Persistence %		0.4
Sire Calving %	Calving Stillbirth %	0.5
	Calving Difficulty	1.0
Daughter Calving %	Calving Stillbirth %	5.5
	Calving Difficulty	4.3

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,567
Fat %	3.89%
Protein %	3.34%
Cappa Casein: AA	
Beta Casein: A2/A2	

Type Traits → Rel: 82%



- Different blood lines
- Very good longevity
- Excellent udder

BLISS 9253

International No. ISRM000000009253

PD 20
-9



Sire : De-Su 11236 Balisto

Sire Dam : Wins

Born : 15.11.2017

Owner : SION

Daughters: 414

Herds: 197

Breeding value: October 2022

Production Traits Rel: 97%

Milk Kg	-55
Fat Kg	-7.8
Fat %	-0.05%
Protein Kg	4.6
Protein %	0.05%

Functional Traits

Somatic Cell Count	-0.08	
Daughter Fertility %	-1.76	
Longevity (days)	-27	
Persistence %	2.7	
Sire Calving %	Calving Stillbirth %	0.8
	Calving Difficulty	0.9
Daughter Calving %	Calving Stillbirth %	1.6
	Calving Difficulty	0.6

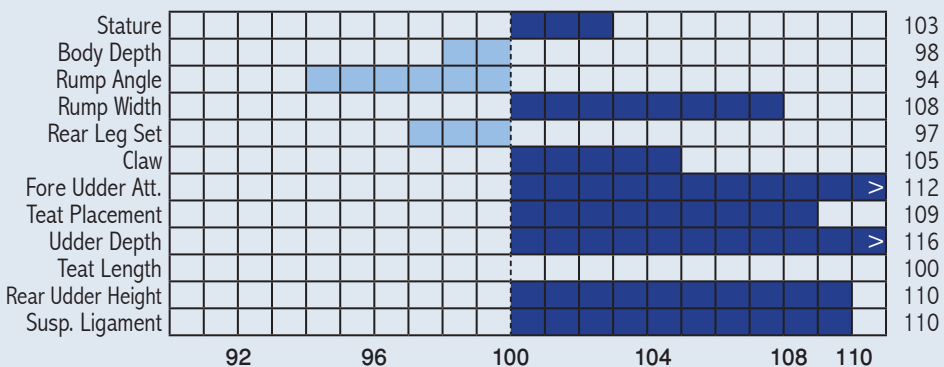
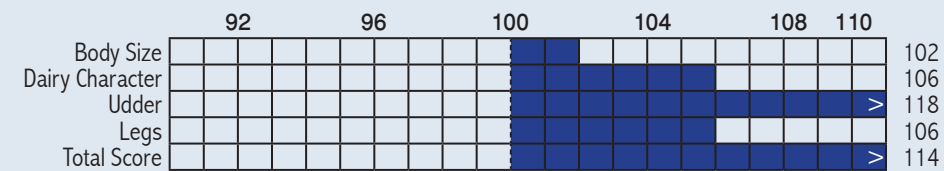
Production summary 1st lactation adjusted for 305 days

Milk Kg	12,050
Fat %	3.75%
Protein %	3.30%

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: 78%



- Positive milk components
- Good persistency
- Excellent udder

BUGGY 9194

International No. ISRM000000009194

PD 20
347



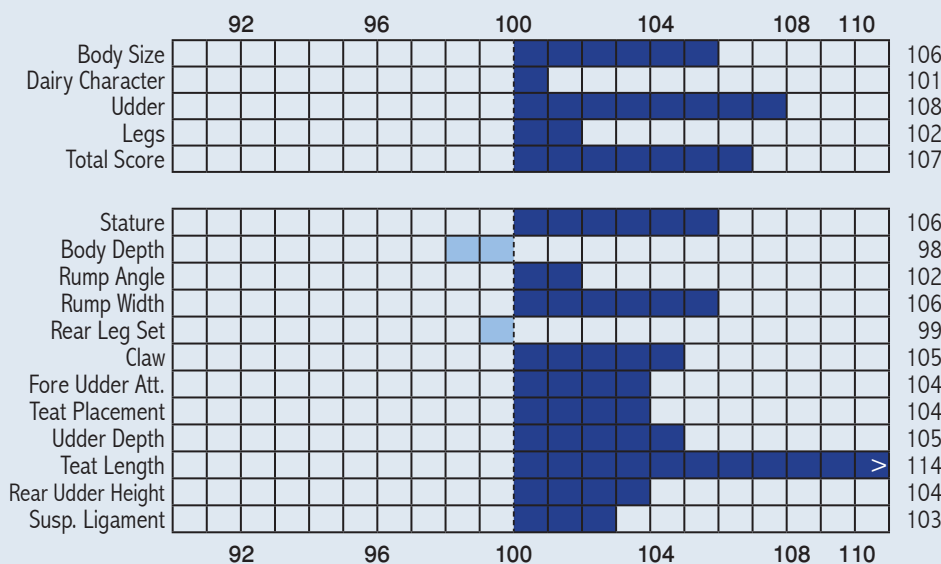
Sire : Barolo
Sire Dam : Jerom
Born : 22.02.2017
Owner : SION
Daughters: 227
Herds: 131
Breeding value: October 2022

Production Traits Rel: 94%	
Milk Kg	409
Fat Kg	-2.7
Fat %	-0.14%
Protein Kg	14.2
Protein %	0.01%

Functional Traits		
Somatic Cell Count		-0.12
Daughter Fertility %		1.13
Longevity (days)		40
Persistence %		1.2
Sire Calving %	Calving Stillbirth %	1.1
	Calving Difficulty	1.6
Daughter Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	2.1

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,612
Fat %	3.62%
Protein %	3.24%
Cappa Casein: BB	
Beta Casein: A1/A2	

Type Traits → Rel: 74%



- Good daughter fertility
- Very good persistency
- Very good type traits

DAWSON 9127

International No. ISRM000000009127

PD 20
688



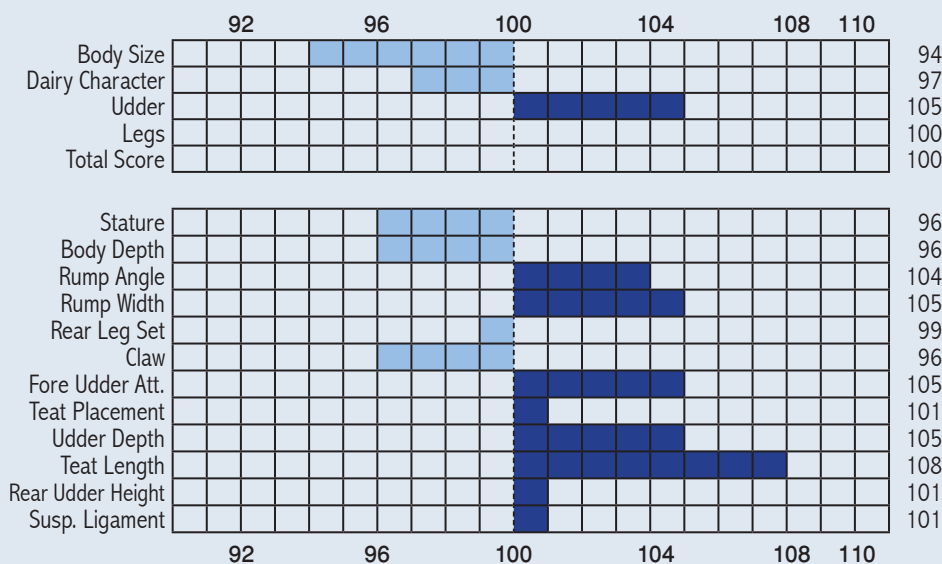
Sire : Dogli
Sire Dam : Crockett-Acres Otto-Et
Born : 24.11.2015
Owner : SION
Daughters: 280
Herds: 163
Breeding value: October 2022

Production Traits Rel: 96%	
Milk Kg	324
Fat Kg	18.9
Fat %	0.06%
Protein Kg	7.0
Protein %	-0.03%

Functional Traits		
Somatic Cell Count		-0.35
Daughter Fertility %		5.44
Longevity (days)		105
Persistence %		2.7
Sire Calving %	Calving Stillbirth %	-1.1
	Calving Difficulty	-1.4
Daughter Calving %	Calving Stillbirth %	-2.4
	Calving Difficulty	-3.3

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	11974
Fat %	3.80%
Protein %	3.19%
Cappa Casein: AA	
Beta Casein: A1/A2	

Type Traits → Rel: 77%



- Small Daughters
- Excellent daughter fertility
- Very good persistency and longevity

DOOTS 7805

International No. ISRM000000007805

PD 20
286



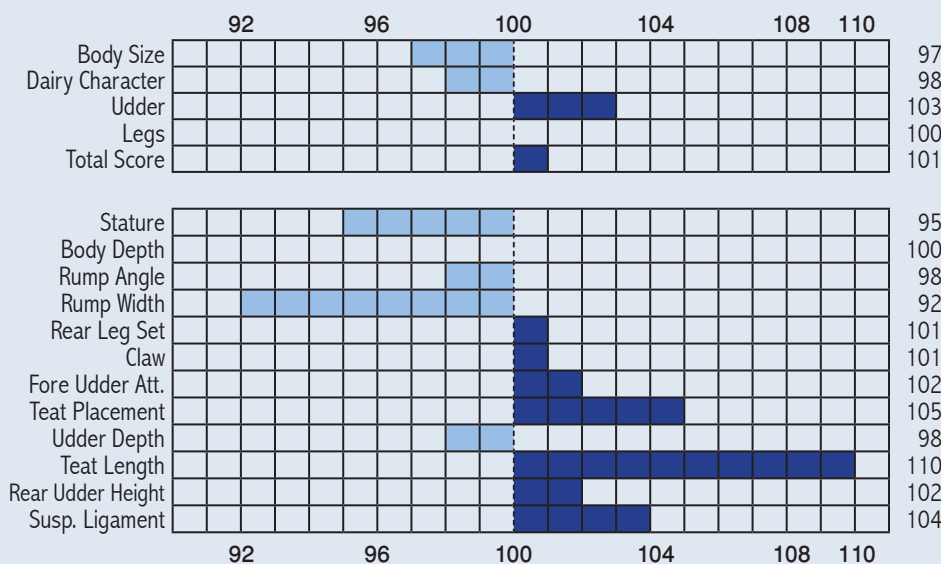
Sire : Dogit
Sire Dam : Tsalul
Born : 05.01.2011
Owner : SION
Daughters: 908
Herds: 316
Breeding value: October 2022

Production Traits Rel: 99%	
Milk Kg	257
Fat Kg	11.5
Fat %	0.02%
Protein Kg	5.8
Protein %	-0.02%

Functional Traits		
Somatic Cell Count		-0.13
Daughter Fertility %		-0.68
Longevity (days)		49
Persistence %		0.6
Sire Calving %	Calving Stillbirth %	2.3
	Calving Difficulty	2.9
Daughter Calving %	Calving Stillbirth %	-0.4
	Calving Difficulty	0.8

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,321
Fat %	3.76%
Protein %	3.21%
Cappa Casein: AA	
Beta Casein: A1/A2	

Type Traits → Rel: 85%



- Different blood lines
- Small Daughters
- Good udder

FAGERNES 9168

International No. ISRM000000009168

PD 20
534



Sire : Famous

Sire Dam : Jermin

Born : 19.10.2016

Owner : SION

Daughters: 233

Herds: 133

Breeding value: October 2022

Production Traits Rel: 95%

Milk Kg	675
Fat Kg	3.9
Fat %	-0.16%
Protein Kg	14.8
Protein %	-0.05%

Functional Traits

Somatic Cell Count	-0.36	
Daughter Fertility %	1.23	
Longevity (days)	86	
Persistence %	1.1	
Sire Calving %	Calving Stillbirth %	0.1
	Calving Difficulty	-0.6
Daughter Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	0.0

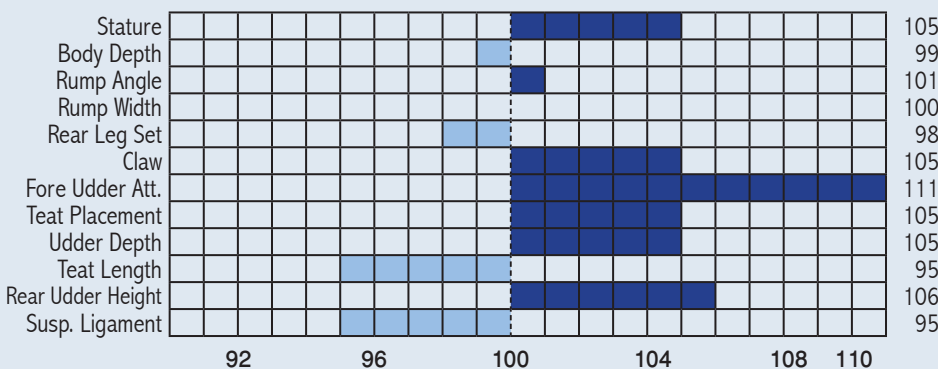
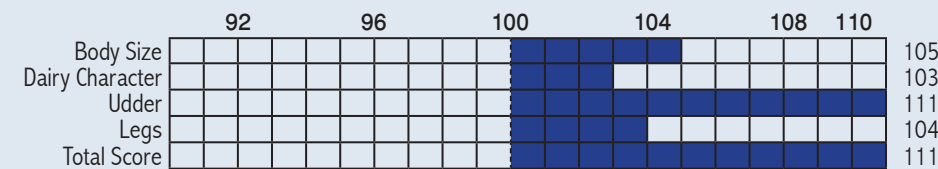
Production summary 1st lactation adjusted for 305 days

Milk Kg	12,910
Fat %	3.61%
Protein %	3.18%

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: 76%



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

JESICA 7882

International No. ISRM000000007882

PD 20
405



Sire : Jeyjey

Sire Dam : Sigar

Born : 24.04.2012

Owner : SION

Daughters: 1,453

Herds: 378

Breeding value: October 2022

Production Traits		Rel: 99%
Milk Kg	445	
Fat Kg	0.9	
Fat %	-0.12%	
Protein Kg	11.4	
Protein %	-0.02%	

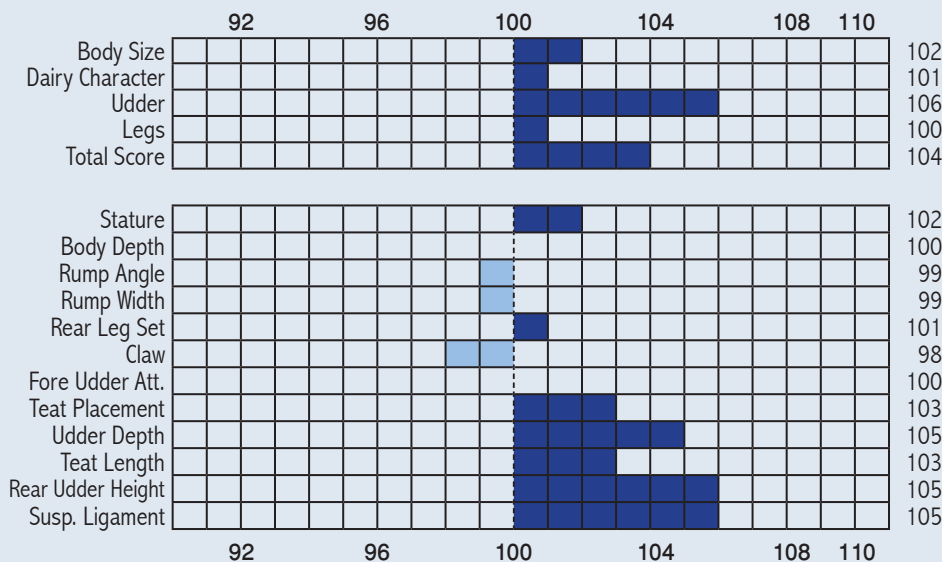
Functional Traits		
Somatic Cell Count		-0.13
Daughter Fertility %		2.69
Longevity (days)		83
Persistence %		-0.3
Sire Calving %	Calving Stillbirth %	1.1
	Calving Difficulty	0.0
Daughter Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	-0.3

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,461
Fat %	3.64%
Protein %	3.20%

Cappa Casein: BB

Beta Casein: A2/A2

Type Traits → Rel: 87%



- Very good daughter fertility
- Recommended for heifers
- Very good udder

MASHEN 9075

International No. ISRM000000009075

PD 20
325



Sire : Miteran

Sire Dam : Shaon

Born : 21.03.2015

Owner : SION

Daughters: 243

Herds: 143

Breeding value: October 2022

Production Traits Rel: 96%	
Milk Kg	391
Fat Kg	11.3
Fat %	-0.02%
Protein Kg	10.5
Protein %	-0.02%

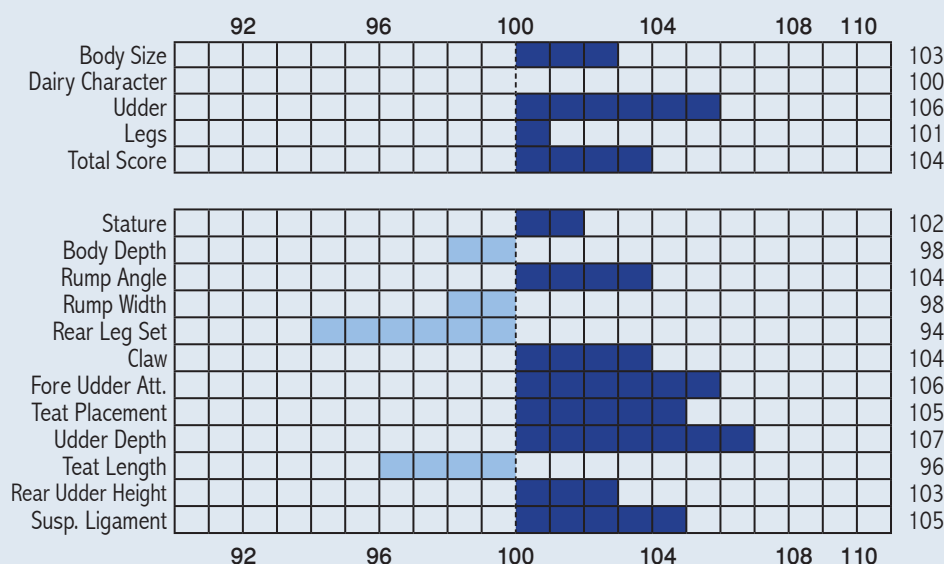
Functional Traits		
Somatic Cell Count		0.04
Daughter Fertility %		-1.51
Longevity (days)		89
Persistence %		0.0
Sire Calving %	Calving Stillbirth %	-0.1
	Calving Difficulty	-0.1
Daughter Calving %	Calving Stillbirth %	-0.5
	Calving Difficulty	-0.3

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,478
Fat %	3.68%
Protein %	3.20%

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: 78%



- Different blood lines
- Good longevity
- Very good udder

PHOENIX 9186

International No. ISRM000000009186

PD 20
496



Sire : Famous

Sire Dam : Silvan

Born : 26.12.2016

Owner : SION

Daughters: 137

Herds: 99

Breeding value: October 2022

Production Traits Rel: 92%	
Milk Kg	488
Fat Kg	26.0
Fat %	0.07%
Protein Kg	9.7
Protein %	-0.05%

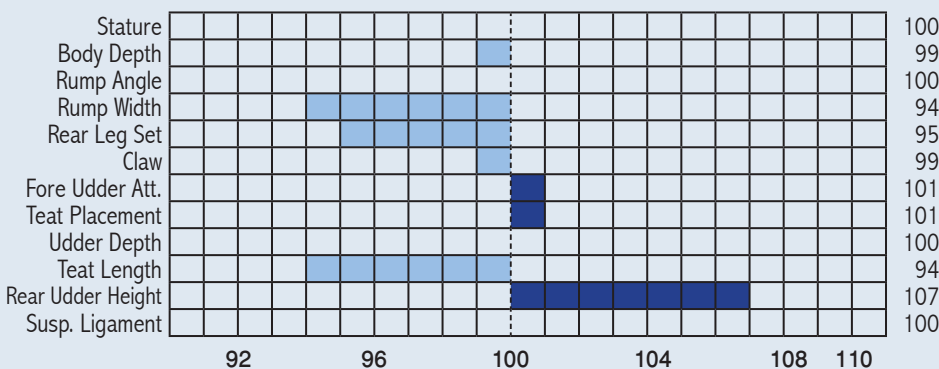
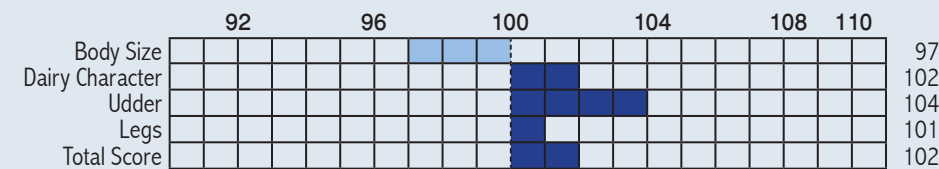
Functional Traits		
Somatic Cell Count		-0.25
Daughter Fertility %		-1.38
Longevity (days)		-17
Persistence %		1.2
Sire Calving %	Calving Stillbirth %	-0.3
	Calving Difficulty	1.2
Daughter Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	-1.4

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,799
Fat %	3.83%
Protein %	3.17%

Cappa Casein: AA

Beta Casein: A2/A2

Type Traits → Rel: 70%



- High milk yield
- Good persistency
- Small body size

RAASHAN 9089

International No. ISRM000000009089

PD 20
439



Sire : Raleb

Sire Dam : Shaon

Born : 31.01.2015

Owner : SION

Daughters: 315

Herds: 166

Breeding value: October 2022

Production Traits Rel: 97%	
Milk Kg	214
Fat Kg	23.1
Fat %	0.12%
Protein Kg	11.3
Protein %	0.04%

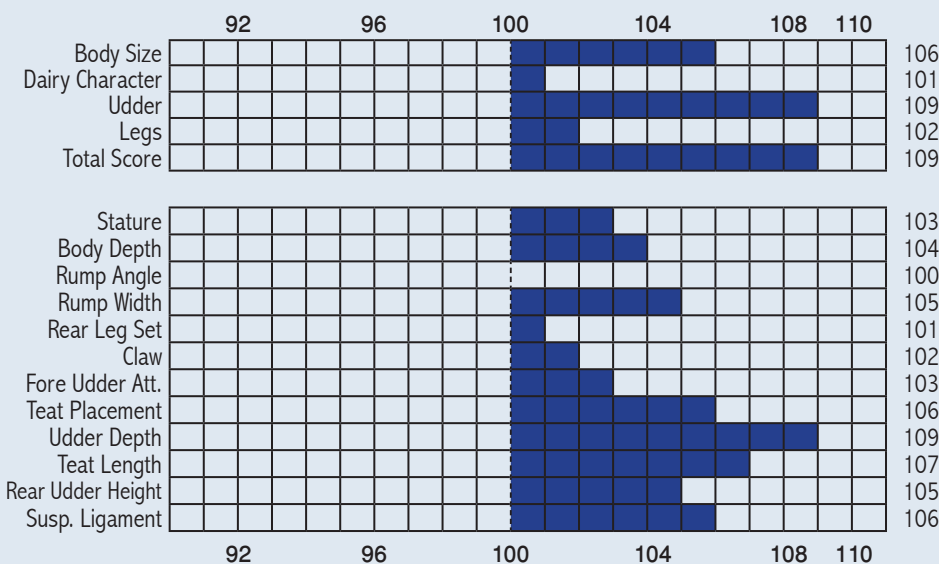
Functional Traits		
Somatic Cell Count		0.00
Daughter Fertility %		-2.94
Longevity (days)		58
Persistence %		2.6
Sire Calving %	Calving Stillbirth %	0.6
	Calving Difficulty	1.6
Daughter Calving %	Calving Stillbirth %	0.0
	Calving Difficulty	-0.5




Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,163
Fat %	3.85%
Protein %	3.24%

Cappa Casein: AA

Beta Casein: A2/A2

Type Traits → Rel: 78%



-  High milk components
-  Very good persistency
-  Excellent udder

RAGER 9087

International No. ISRM000000009087

PD 20
439



Sire : Raleb

Sire Dam : Jermin

Born : 22.01.2015

Owner : SION

Daughters: 150

Herds: 106

Breeding value: October 2022

Production Traits Rel: 94%

Milk Kg	554
Fat Kg	-1.9
Fat %	-0.18%
Protein Kg	14.4
Protein %	-0.03%

Functional Traits

Somatic Cell Count		-0.31
Daughter Fertility %		-0.17
Longevity (days)		124
Persistence %		0.7
Sire Calving %	Calving Stillbirth %	1.8
	Calving Difficulty	3.1
Daughter Calving %	Calving Stillbirth %	-0.1
	Calving Difficulty	-0.6

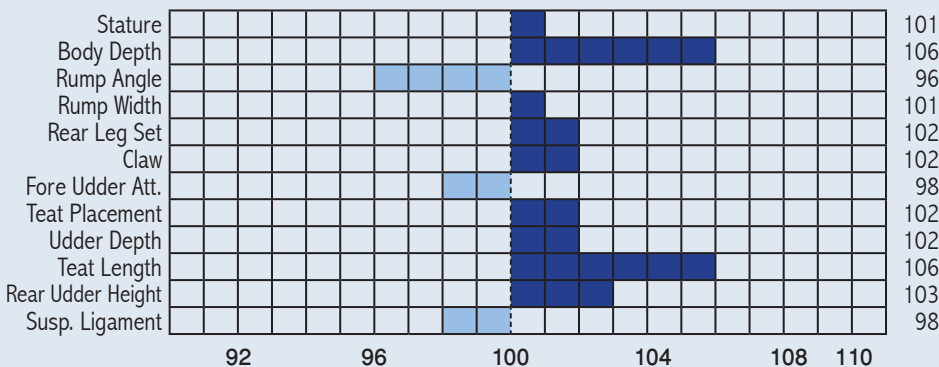
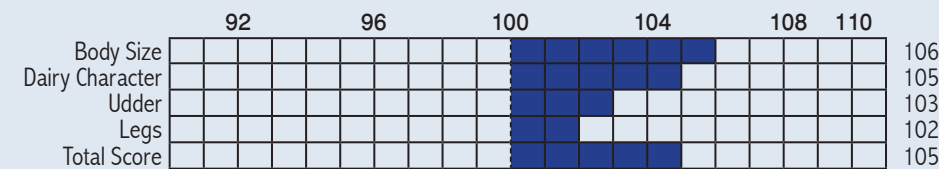
Production summary 1st lactation adjusted for 305 days

Milk Kg	12,724
Fat %	3.46%
Protein %	3.15%

Cappa Casein: AB

Beta Casein: A1/A2

Type Traits → Rel: 73%



- High milk yield
- Excellent longevity
- Very good udder



SION

ISRAELI COMPANY FOR ARTIFICIAL INSEMINATION & BREEDING LTD

	Pedigree										Production Traits					
	Sires		International No.	Israeli Index PD20	Bull		Born	Daughters	Herds	Rel%	Milk Kg	Fat		Protein		
	Name	No.			Sire	Sire of Dam						Kg	%	Kg	%	
1	ABRAAMS	9236	ISRM000000009236	554	S-S-I HEADWAY ALLTIME	AISE	24/09/2017	203	127	94	135	22.4	0.14	8.2	0.03	
2	ACHILES	9248	ISRM000000009248	874	ISAR	ARGAMAN	08/08/2017	655	269	98	491	27.1	0.07	25.8	0.08	
3	BLISS	9253	ISRM000000009253	-9	DE-SU 11236 BALISTO	WINS	15/11/2017	414	197	97	-55	-7.8	-0.05	4.6	0.05	
4	BUGGY	9194	ISRM000000009194	347	BAROLO	JEROM	22/02/2017	227	131	94	409	-2.7	-0.14	14.2	0.01	
5	DAWSON	9127	ISRM000000009127	688	DOGLI	CROCKETT-ACRES OTTO-ET	24/11/2015	280	163	96	324	18.9	0.06	7.0	-0.03	
6	DOOTS	7805	ISRM000000007805	286	DOGIT	TSALUL	05/01/2011	908	316	99	257	11.5	0.02	5.8	-0.02	
7	FAGERNES	9168	ISRM000000009168	534	FAMOUS	JERMIN	19/10/2016	233	133	95	675	3.9	-0.16	14.8	-0.05	
8	JESICA	7882	ISRM000000007882	392	JEYJEY	SIGAR	24/04/2012	1453	378	99	445	0.9	-0.12	11.4	-0.02	
9	MASHEN	9075	ISRM000000009075	325	MITERAN	SHAON	21/03/2015	243	143	96	391	11.3	-0.02	10.5	-0.02	
10	PHOENIX	9186	ISRM000000009186	496	FAMOUS	SILVAN	26/12/2016	137	99	92	488	26.0	0.07	9.7	-0.05	
11	RAASHAN	9089	ISRM000000009089	439	RALEB	SHAON	31/01/2015	315	166	97	214	23.1	0.12	11.3	0.04	
12	RAGER	9087	ISRM000000009087	439	RALEB	JERMIN	22/01/2015	150	106	94	554	-1.9	-0.18	14.4	-0.03	
13	SAUTAJE	9153	ISRM000000009153	428	COGENT SUPERSHOT	JEYJEY	21/09/2016	283	165	96	160	14.6	0.07	5.1	0.00	
14	STAJER	9078	ISRM000000009078	481	START	JERMIN	23/04/2015	212	143	95	262	26.8	0.14	12.6	0.03	
15	TOSTAO	9182	ISRM000000009182	478	S-S-I STERLING TRENTON	SADASH	12/12/2016	101	76	90	464	24.0	0.06	12.3	-0.02	
Genomic																
1	BASS	9305	ISRM000000009305	1059	DE-SU 11236 BALISTO	ARGAMAN	30/08/2018	0	0	60	779	32.8	0.03	28.2	0.03	
2	FAGOT	9279	ISRM000000009279	548	PATRICK	JERMIN	15/03/2018	0	0	60	594	19.4	-0.02	16.7	-0.02	
3	HATTRICK	9319	ISRM000000009319	831	NO-FLA HAGAR 44088	PATRICK	20/12/2018	0	0	59	704	40.7	0.12	22.5	0.00	
4	KEVER	9374	ISRM000000009374	697	CO-OP ROBUST CABRILET-ET	ARGAMAN	09/10/2019	0	0	60	564	26.8	0.05	17.9	0.00	
5	ROBIK	9313	ISRM000000009313	653	BOMAZ ALTAROBSON	PATRICK	11/11/2018	0	0	59	49	27.3	0.21	12.9	0.09	
6	SABABA	9296	ISRM000000009296	688	SAGRIR	MEFAREK	06/05/2018	0	0	60	311	25.7	0.12	16.9	0.06	
7	SMIRNOFF	9326	ISRM000000009326	720	SAGRIR	MASCOL	30/12/2018	0	0	61	648	27.8	0.03	21.5	0.01	

Functional Traits				Production Adjusted 1st Lact			Type Traits	Conformation										
SCC	Daughter % Fertility	Longevity (Days)	Persistence %	Sire Calving		Daughter Calving		Milk Kg	Fat %	Protein %	Rel. %	Body Size	Feet & Legs	Udder Depth	Teat Placement	Udder	Cappa Casein	Beta Casein
				Stillbirth %	Calving Difficulty %	Stillborn %	Calving % Difficulty											
-0.36	0.01	57	2.7	1.4	-0.5	0.3	0.2	12,230	3.94	3.28	75	107	105	109	111	113	AB	A1/A2
-0.24	-0.97	146	0.4	0.5	1.0	5.5	4.3	12,567	3.89	3.34	82	103	103	102	109	104	AA	A2/A2
-0.08	-1.76	-27	2.7	0.8	0.9	1.6	0.6	12,050	3.75	3.30	78	102	106	116	109	118	AB	A2/A2
-0.12	1.13	40	1.2	1.1	1.6	0.3	2.1	12,612	3.62	3.24	74	106	102	105	104	108	BB	A1/A2
-0.35	5.44	105	2.7	-1.1	-1.4	-2.4	-3.3	11,974	3.80	3.19	77	94	100	105	101	105	AA	A1/A2
-0.13	-0.68	49	0.6	2.3	2.9	-0.4	0.8	12,321	3.76	3.21	85	97	100	98	105	103	AA	A1/A2
-0.36	1.23	86	1.1	0.1	-0.6	0.3	0.0	12,910	3.61	3.18	76	105	104	105	105	111	AB	A2/A2
-0.13	2.69	83	-0.3	1.1	0.0	0.3	-0.3	12,461	3.64	3.20	87	102	100	105	103	106	BB	A2/A2
0.04	-1.51	89	0.0	-0.1	-0.1	-0.5	-0.3	12,478	3.68	3.20	78	103	101	107	105	106	AB	A2/A2
-0.25	-1.38	-17	1.2	-0.3	1.2	0.3	-1.4	12,799	3.83	3.17	70	97	101	100	101	104	AA	A2/A2
0.00	-2.94	58	2.6	0.6	1.6	0.0	-0.5	12,163	3.85	3.24	78	106	102	109	106	109	AA	A2/A2
-0.31	-0.17	124	0.7	1.8	3.1	-0.1	-0.6	12,724	3.46	3.15	73	106	102	102	102	103	AB	A1/A2
-0.07	4.79	82	-2.8	1.3	-0.4	-1.1	-2.8	12,635	3.81	3.20	78	112	104	108	114	115	AB	A1/A2
-0.06	-1.80	1	-0.1	-0.5	0.7	0.2	1.2	12,399	3.84	3.23	78	100	103	100	101	102	AB	A2/A2
-0.18	-2.00	-4	-0.4	0.0	0.4	-0.2	0.5	12,831	3.78	3.22	62	100	101	102	106	106	AB	A2/A2
-0.30	-0.87	155	2.1	-0.1	-0.4	1.0	0.8	N/A	N/A	N/A	39	108	105	107	108	112	AB	A2/A2
-0.03	-0.33	46	0.6	1.2	3.2	0.7	0.9	N/A	N/A	N/A	31	103	100	98	101	101	AB	A2/A2
-0.12	-3.12	28	1.0	0.3	2.2	0.3	0.0	N/A	N/A	N/A	0	107	101	106	111	109	BB	A2/A2
-0.04	-0.64	92	2.0	0.5	1.2	0.0	-0.9	N/A	N/A	N/A	0	102	101	102	104	104	BB	A2/A2
-0.13	0.70	81	1.6	1.0	2.9	-0.9	0.2	N/A	N/A	N/A	0	108	103	110	108	111	AB	A2/A2
-0.16	1.37	54	-0.3	0.9	2.8	0.4	1.5	N/A	N/A	N/A	42	102	102	104	100	104	BB	A2/A2
0.05	-0.57	76	1.6	1.3	4.3	1.3	2.6	N/A	N/A	N/A	0	103	103	104	99	103	AB	A2/A2

SAUTAJE 9153

International No. ISRM000000009153

PD 20
428



Sire : Cogent Supershot

Sire Dam : Jeyjey

Born : 21.09.2016

Owner : SION

Daughters: 283

Herds: 165

Breeding value: October 2022

Production Traits Rel: 96%	
Milk Kg	160
Fat Kg	14.6
Fat %	0.07%
Protein Kg	5.1
Protein %	0.00%

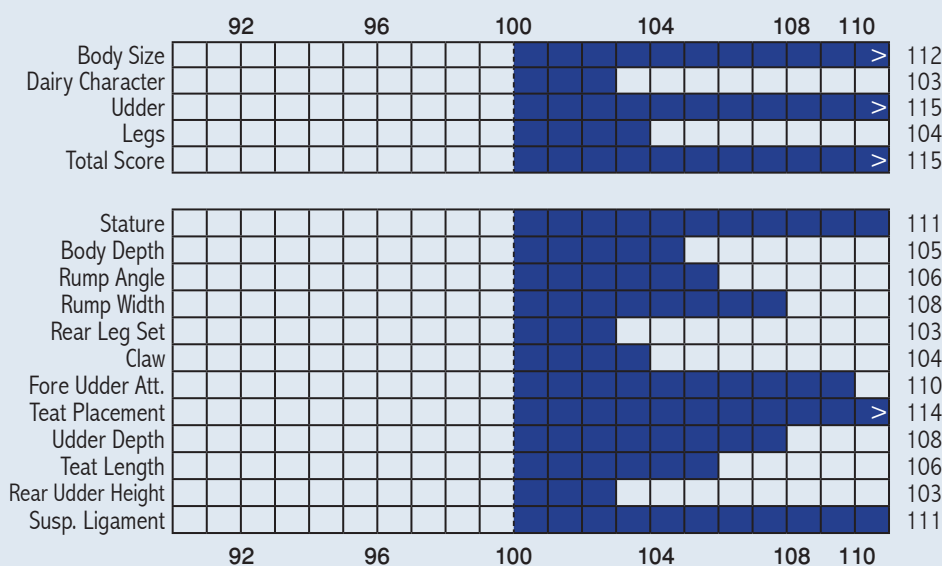
Functional Traits		
Somatic Cell Count		-0.07
Daughter Fertility %		4.79
Longevity (days)		82
Persistence %		-2.8
Sire Calving %	Calving Stillbirth %	1.3
	Calving Difficulty	-0.4
Daughter Calving %	Calving Stillbirth %	-1.1
	Calving Difficulty	-2.8

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,635
Fat %	3.81%
Protein %	3.20%

Cappa Casein: AB

Beta Casein: A1/A2

Type Traits → Rel: 78%



- Excellent daughter fertility
- Good longevity
- Excellent udder

STAJER 9078

International No. ISRM000000009078

PD 20
481



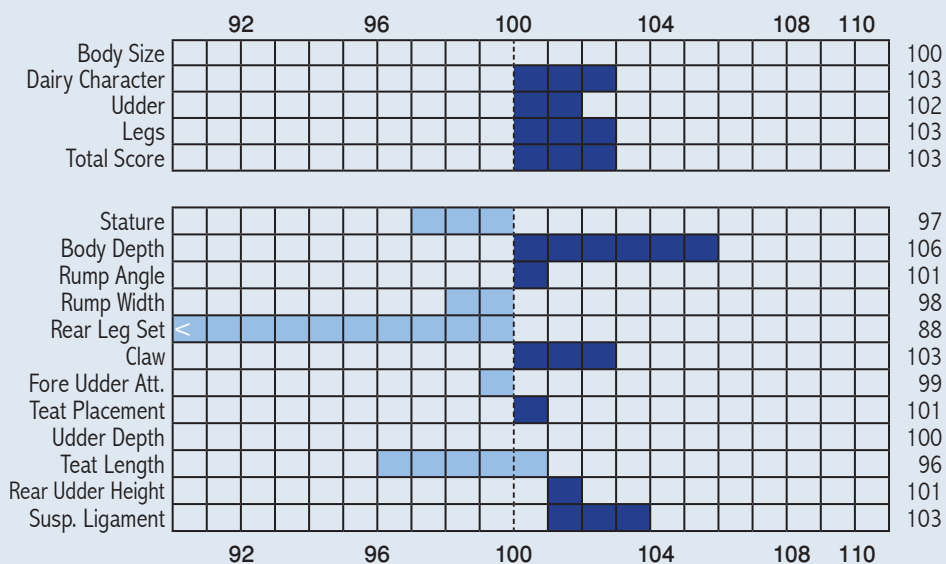
Sire : Start
Sire Dam : Jermin
Born : 23.04.2015
Owner : SION
Daughters: 212
Herds: 143
Breeding value: October 2022

Production Traits		Rel: 95%
Milk Kg	262	
Fat Kg	26.8	
Fat %	0.14%	
Protein Kg	12.6	
Protein %	0.03%	

Functional Traits		
Somatic Cell Count		-0.06
Daughter Fertility %		-1.80
Longevity (days)		1
Persistence %		-0.1
Sire Calving %	Calving Stillbirth %	-0.5
	Calving Difficulty	0.7
Daughter Calving %	Calving Stillbirth %	0.2
	Calving Difficulty	1.2

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,399
Fat %	3.84%
Protein %	3.23%
Cappa Casein: AB	
Beta Casein: A2/A2	

Type Traits → Rel: 78%



- Good milk components
- Very good udder
- Good legs

TOSTAO 9182

International No. ISRM000000009182

PD 20
478



Sire : S-S-I Sterling Trenton

Sire Dam : Sadash

Born : 12.12.2016

Owner : SION

Daughters: 101

Herds: 76

Breeding value: October 2022

Production Traits		Rel: 90%
Milk Kg	464	
Fat Kg	24.0	
Fat %	0.06%	
Protein Kg	12.3	
Protein %	-0.02%	

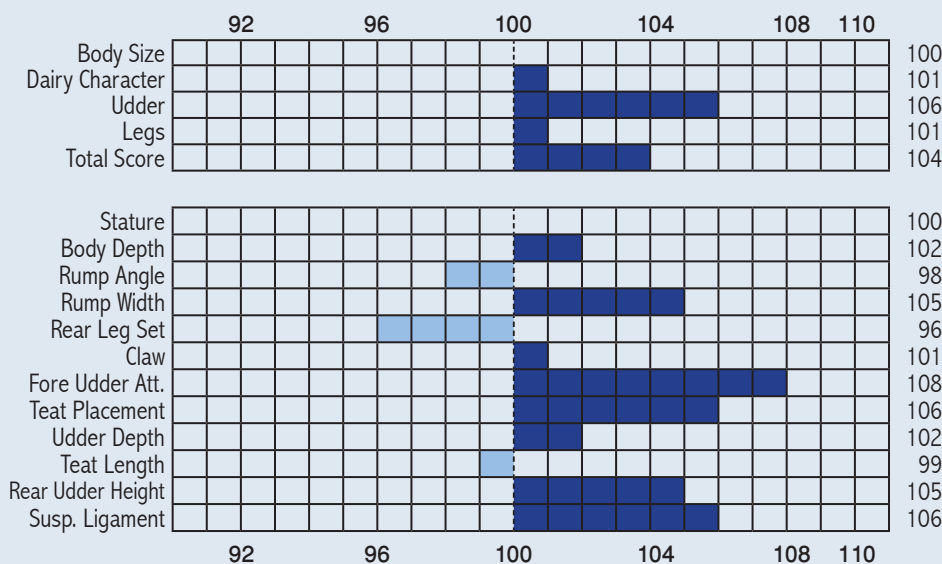
Functional Traits		
Somatic Cell Count		-0.18
Daughter Fertility %		-2.00
Longevity (days)		-4
Persistence %		-0.4
Sire Calving %	Calving Stillbirth %	0.0
	Calving Difficulty	0.4
Daughter Calving %	Calving Stillbirth %	-0.2
	Calving Difficulty	0.5

Production summary 1 st lactation adjusted for 305 days	
Milk Kg	12,831
Fat %	3.78%
Protein %	3.22%

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: 62%



- Different blood lines
- High milk yield
- Excellent udder

BASS 9305

International No. ISRM000000009305

PD 20
1,059



Sire : De-Su 11236 Balisto

Sire Dam : Argaman

Born : 30.08.2018

Owner : SION

Daughters: o

Herds: o

Breeding value: October 2022

Production Traits Rel: 60%

Milk Kg	779
Fat Kg	32.8
Fat %	0.03%
Protein Kg	28.2
Protein %	0.03%

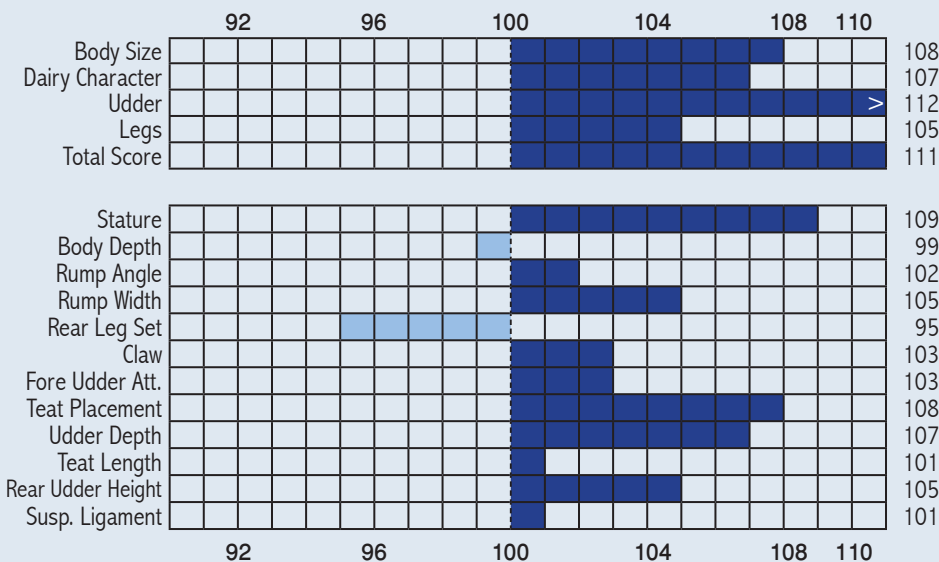
Functional Traits

Somatic Cell Count	-0.30
Daughter Fertility %	-0.87
Longevity (days)	155
Persistence %	2.1
Sire Calving %	Calving Stillbirth % -0.1
	Calving Difficulty -0.4
Daughter Calving %	Calving Stillbirth % 1.0
	Calving Difficulty 0.8

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: Predicted 39%



- High milk yield and persistency
- Low somatic cells
- Excellent udder

FAGOT 9279

International No. ISRM000000009279

PD 20
548



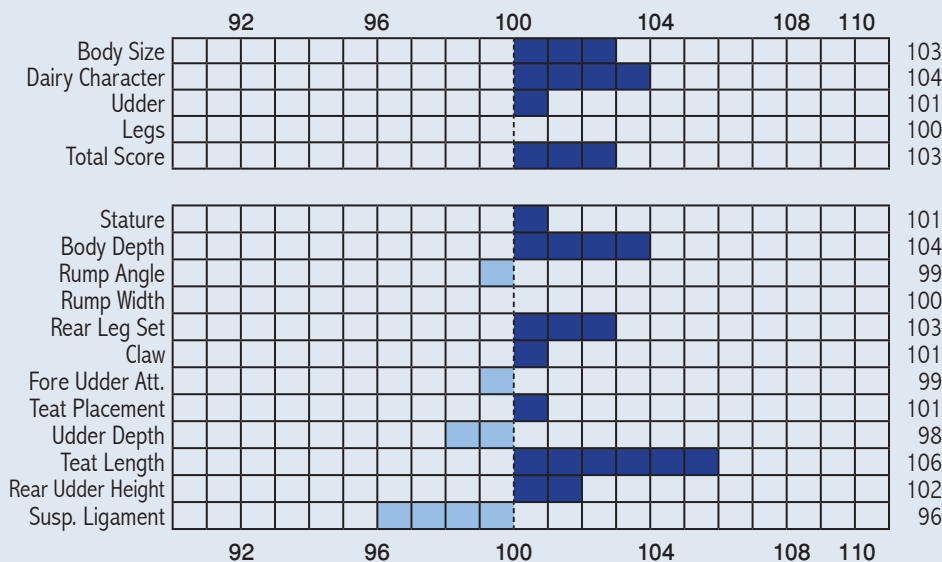
Sire : Patrick
Sire Dam : Jermin
Born : 15.03.2018
Owner : SION
Daughters: o
Herds: o
Breeding value: October 2022

Production Traits		Rel: 60%
Milk Kg	594	
Fat Kg	19.4	
Fat %	-0.02%	
Protein Kg	16.7	
Protein %	-0.02%	

Functional Traits		
Somatic Cell Count		-0.03
Daughter Fertility %		-0.33
Longevity (days)		46
Persistence %		0.6
Sire Calving %	Calving Stillbirth %	1.2
	Calving Difficulty	3.2
Daughter Calving %	Calving Stillbirth %	0.7
	Calving Difficulty	0.9

Cappa Casein: AB
Beta Casein: A2/A2

Type Traits → Rel: Predicted 31%



- High milk yield
- Good persistency
- Good dairy characters

HATTRICK 9319

International No. ISRM000000009319

PD 20
831

GENOMIC



Sire : No-Fla Hagar 44088

Sire Dam : Patrick

Born : 20.12.2018

Owner : SION

Daughters: 0

Herds: 0

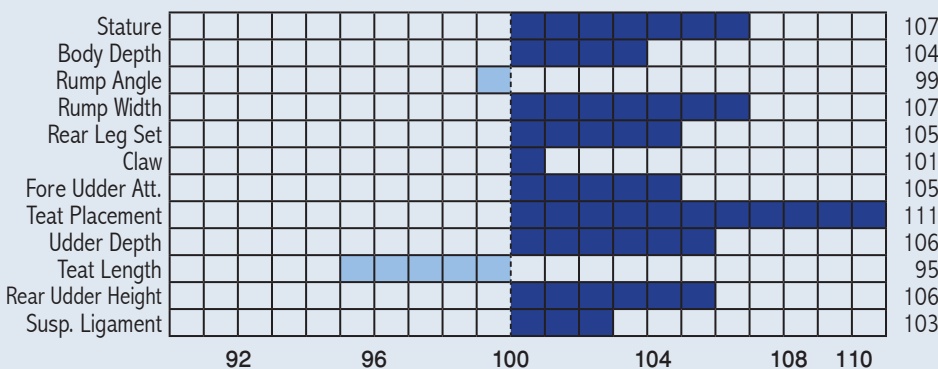
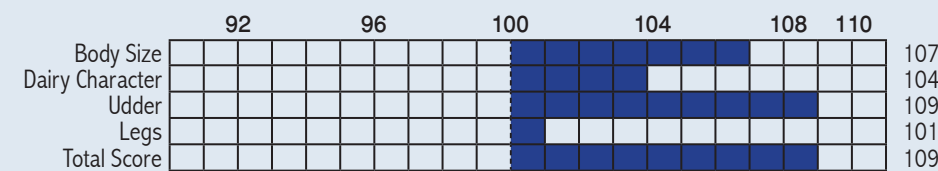
Breeding value: October 2022




Production Traits Rel: 59%	
Milk Kg	704
Fat Kg	40.7
Fat %	0.12%
Protein Kg	22.5
Protein %	0.00%

Functional Traits		
Somatic Cell Count		-0.12
Daughter Fertility %		-3.12
Longevity (days)		28
Persistence %		1.0
Sire Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	2.2
Daughter Calving %	Calving Stillbirth %	0.3
	Calving Difficulty	0.0

Cappa Casein: BB
Beta Casein: A2/A2

Type Traits → Rel: Predicted %



-  Very high milk yield
-  Good milk components
-  Excellent udder

KEVER 9374

International No. ISRM000000009374

PD 20
697



Sire : Co-Op Robust Cabriolet-Et

Sire Dam : Argaman

Born : 09.10.2019

Owner : SION

Daughters: o

Herds: o

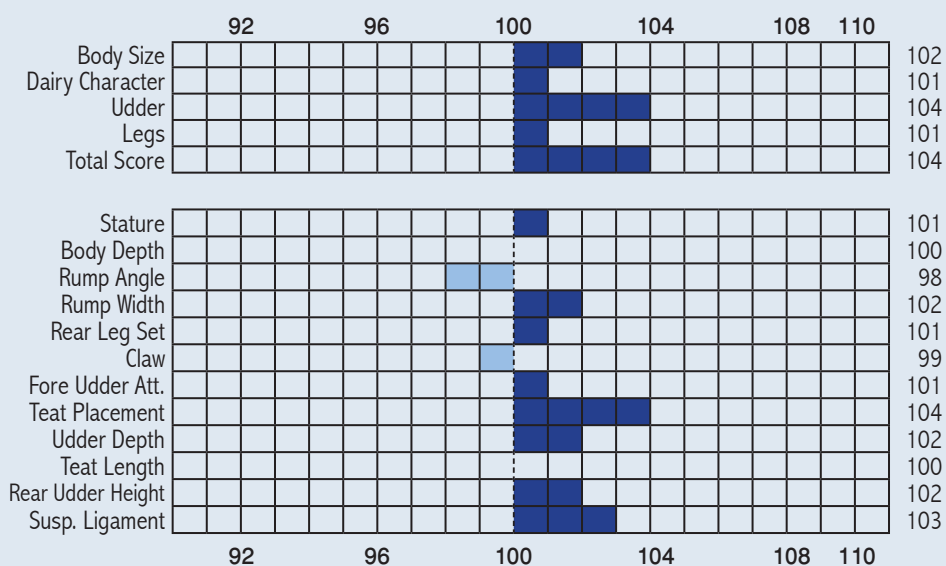
Breeding value: October 2022

Production Traits		Rel: 60%
Milk Kg	564	
Fat Kg	26.8	
Fat %	0.05%	
Protein Kg	17.9	
Protein %	0.00%	

Functional Traits		
Somatic Cell Count		-0.04
Daughter Fertility %		-0.64
Longevity (days)		92
Persistence %		2.0
Sire Calving %	Calving Stillbirth %	0.5
	Calving Difficulty	1.2
Daughter Calving %	Calving Stillbirth %	0.0
	Calving Difficulty	-0.9

Cappa Casein: BB
Beta Casein: A2/A2

Type Traits → Rel: Predicted %



- High milk yield
- Good longevity
- Very good persistency

ROBIK 9313

International No. ISRM000000009313

PD 20
653



Sire : Bomaz Alta Robson

Sire Dam : Patrick

Born : 11.11.2018

Owner : SION

Daughters: 0

Herds: 0

Breeding value: October 2022

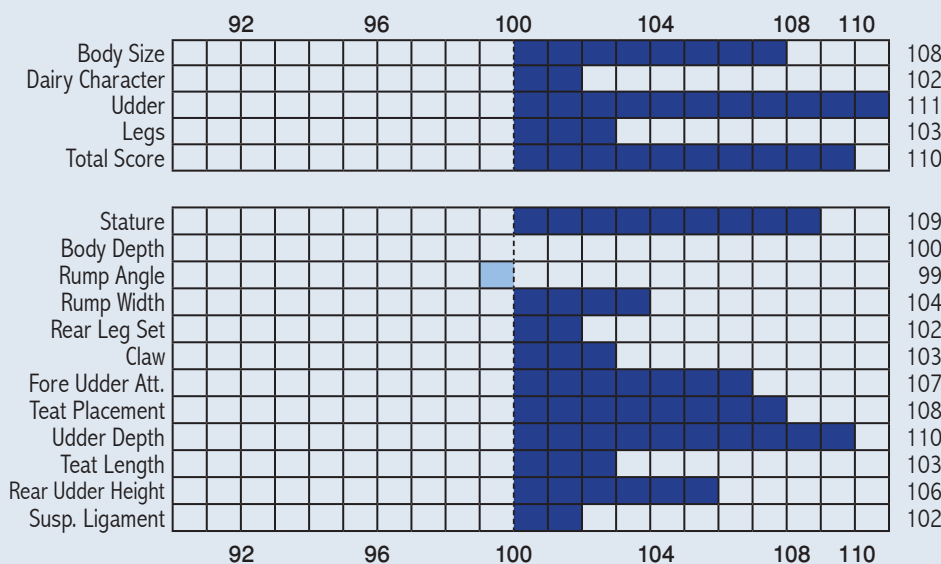
Production Traits		Rel: 59%
Milk Kg	49	
Fat Kg	27.3	
Fat %	0.21%	
Protein Kg	12.9	
Protein %	0.09%	

Functional Traits		
Somatic Cell Count		-0.13
Daughter Fertility %		0.70
Longevity (days)		81
Persistence %		1.6
Sire Calving %	Calving Stillbirth %	1.0
	Calving Difficulty	2.9
Daughter Calving %	Calving Stillbirth %	-0.9
	Calving Difficulty	0.2

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: Predicted %



- Different blood lines
- Very good milk components
- Excellent udder

SABABA 9296

International No. ISRM000000009296

PD 20
688



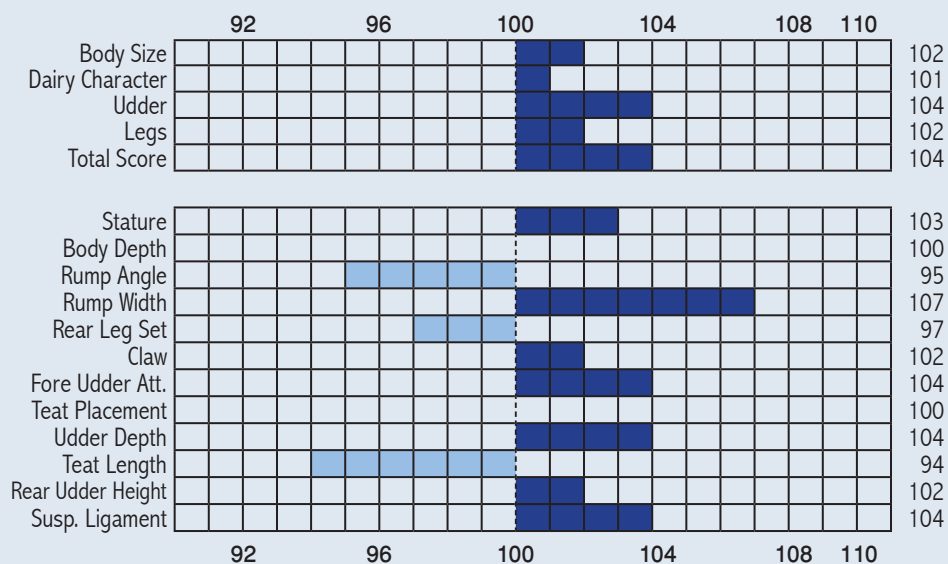
Sire : Sagrir
Sire Dam : Mefarek
Born : 06.05.2018
Owner : SION
Daughters: o
Herds: o
Breeding value: October 2022

Production Traits		Rel: 60%
Milk Kg	311	
Fat Kg	25.7	
Fat %	0.12%	
Protein Kg	16.9	
Protein %	0.06%	

Functional Traits		
Somatic Cell Count		-0.16
Daughter Fertility %		1.37
Longevity (days)		54
Persistence %		-0.3
Sire Calving %	Calving Stillbirth %	0.9
	Calving Difficulty	2.8
Daughter Calving %	Calving Stillbirth %	0.4
	Calving Difficulty	1.5

Cappa Casein: BB
Beta Casein: A2/A2

Type Traits → Rel: Predicted 42%



- Different blood lines
- Very good milk components
- Excellent udder

SMIRNOFF 9326

International No. ISRM000000009326

PD 20
720



Sire : Sagrir

Sire Dam : Mascol

Born : 30.12.2018

Owner : SION

Daughters: o

Herds: o

Breeding value: October 2022

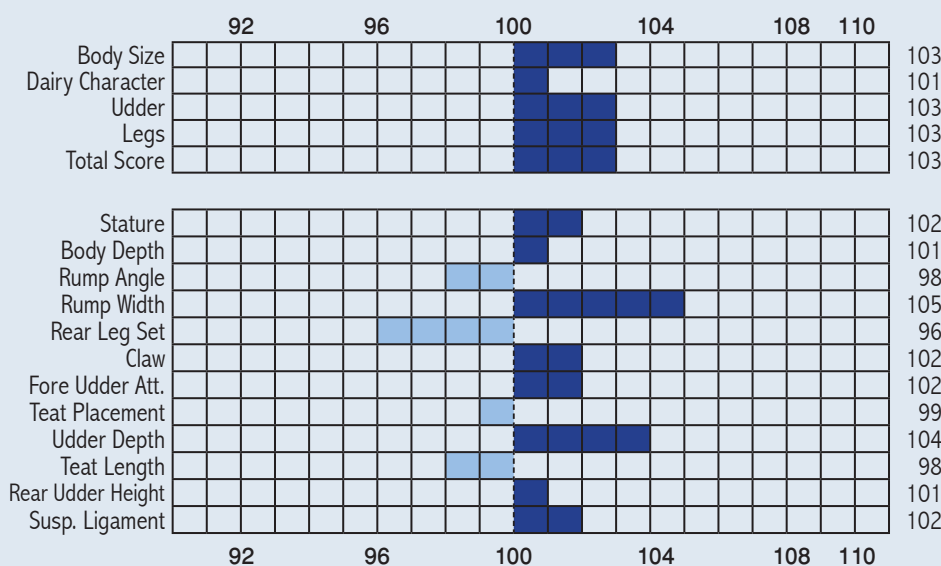
Production Traits Rel: 61%	
Milk Kg	648
Fat Kg	27.8
Fat %	0.03%
Protein Kg	21.5
Protein %	0.01%

Functional Traits		
Somatic Cell Count		0.05
Daughter Fertility %		-0.57
Longevity (days)		76
Persistence %		1.6
Sire Calving %	Calving Stillbirth %	1.3
	Calving Difficulty	4.3
Daughter Calving %	Calving Stillbirth %	1.3
	Calving Difficulty	2.6

Cappa Casein: AB

Beta Casein: A2/A2

Type Traits → Rel: Predicted %



- High milk yield
- Good persistency
- Very good udder

Israeli Index Terms explained

The base year is 2015 = the data of each trait, in this catalogue, refers to the trait of the average cow in 2015.

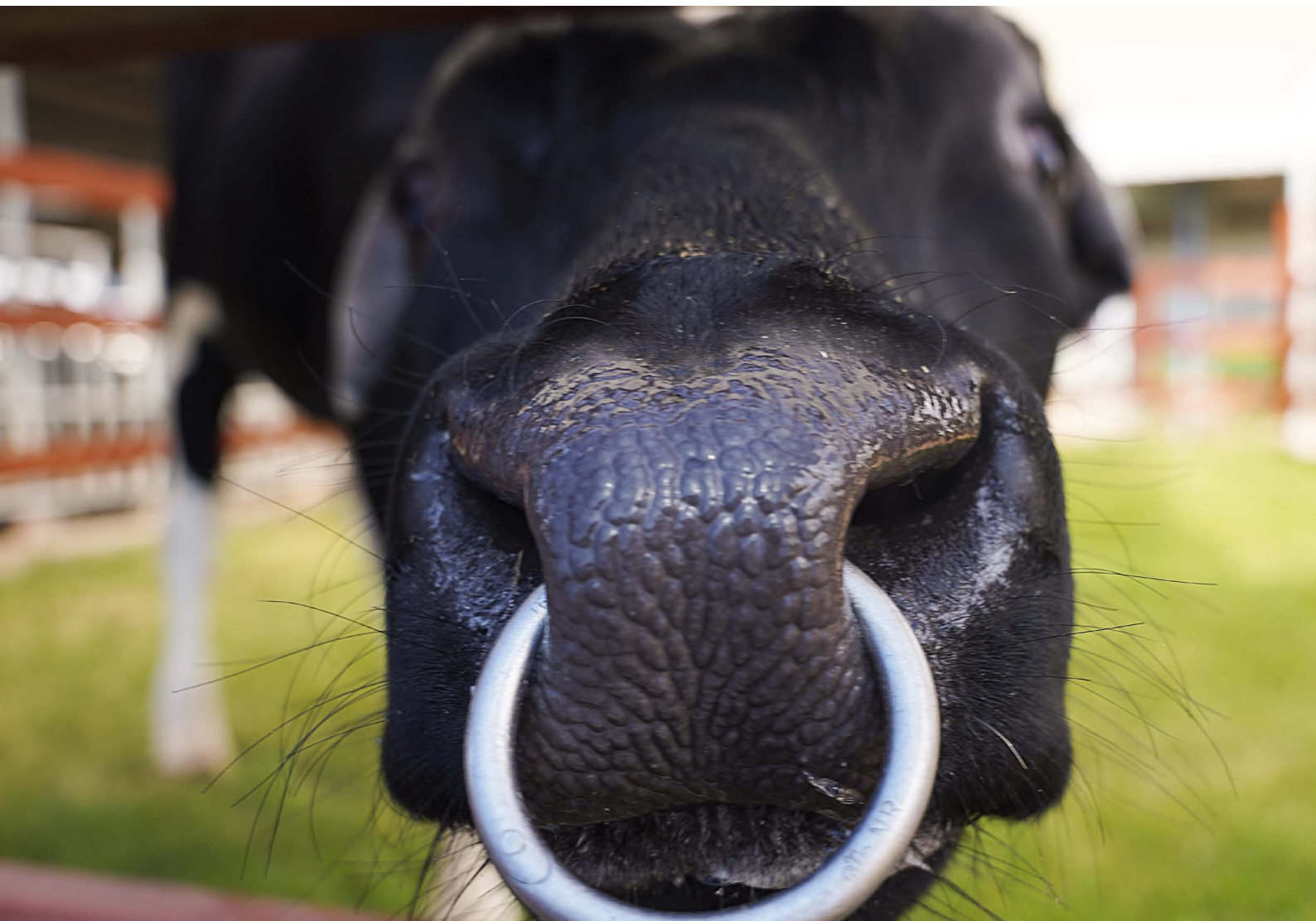
Data	ICBA February, 2021 genetic evaluation calculated. Fixed base = mean of daughters born in the year 2015 set to zero.	Persistency	Measured as the ratio of milk yield 220-240 days post partum to peak yield (40 to 60 days post partum, depending on parity). Higher percentage is favorable.
PD20	Israeli breeding index. The PD20 is the criterion for ranking bulls and cows in Israel.	Calving difficulty	Expressed as percentage of incidence of dystocia. Negative values are favorable.
The PD20 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.		

Guiyora Pavin
CEO SION Israel
Guiyora@Sion-Israel.com
Mobile: +972-(0)52-312-4855

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

Producer: Rachel Wittert-Ashur
Graphic Designer: Adva Hochman Bokobza
Photography: Gali Shorer
Data: Israel Cattle Breeders Association (ICBA)
Production Assistants: Eli Abutbul, Ya'akov Salach,
Amnon Rozenberg, Avi Hasson, Yarin David and Gal Shiffman





ISRAELI COMPANY FOR ARTIFICIAL INSEMINATION & BREEDING LTD

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