STgenetics®

The best way to predict the future is to *Create it*

SPRING 2020

COLORED BREEDS
SPECIALIST CATALOG

TABLE OF CONTENTS

A.I. RECOMMENDATIONS FOR

SexedULTRA 4M®

High fertility sex-sorted semen

1 — 14-20 hrs
A.I. with sexed semen 14-20 hours after first signs of standing heat

2 — Regulate
Use temperature regulated thawing units

3 — Daily
Change thawing unit water daily

4 — Weekly
Clean thawing unit weekly

5 — 95° to 98°F
35° to 37°C
Monitor water temperature with thermometer: 95° to 98°F (35° to 37°C)

6 — 45 sec
Thaw for approximately 45 seconds

7 — 95° to 98°F
35° to 37°C
Keep semen temperature regulated at 95° to 98°F (35° to 37°C) with A.I. gun warmer

8 — 15 min
Use thawed semen within 15 minutes of initial thaw

SYNCHRONIZATION PROTOCOLS

Natural Heat Detection
- Expect to have 4-5% of females show heat each day.
- It has shown to be less efficient than other methods.
- More labor needed as two 30 to 45 min twice per day heat observations are required.
- Each day females are sorted for AI.

Prostaglandin Synchronization
- One of the lowest cost protocols available.
- Expect to have 60% to 70% of the females in heat over a period of 4 days.
- Requires heat observations twice a day.

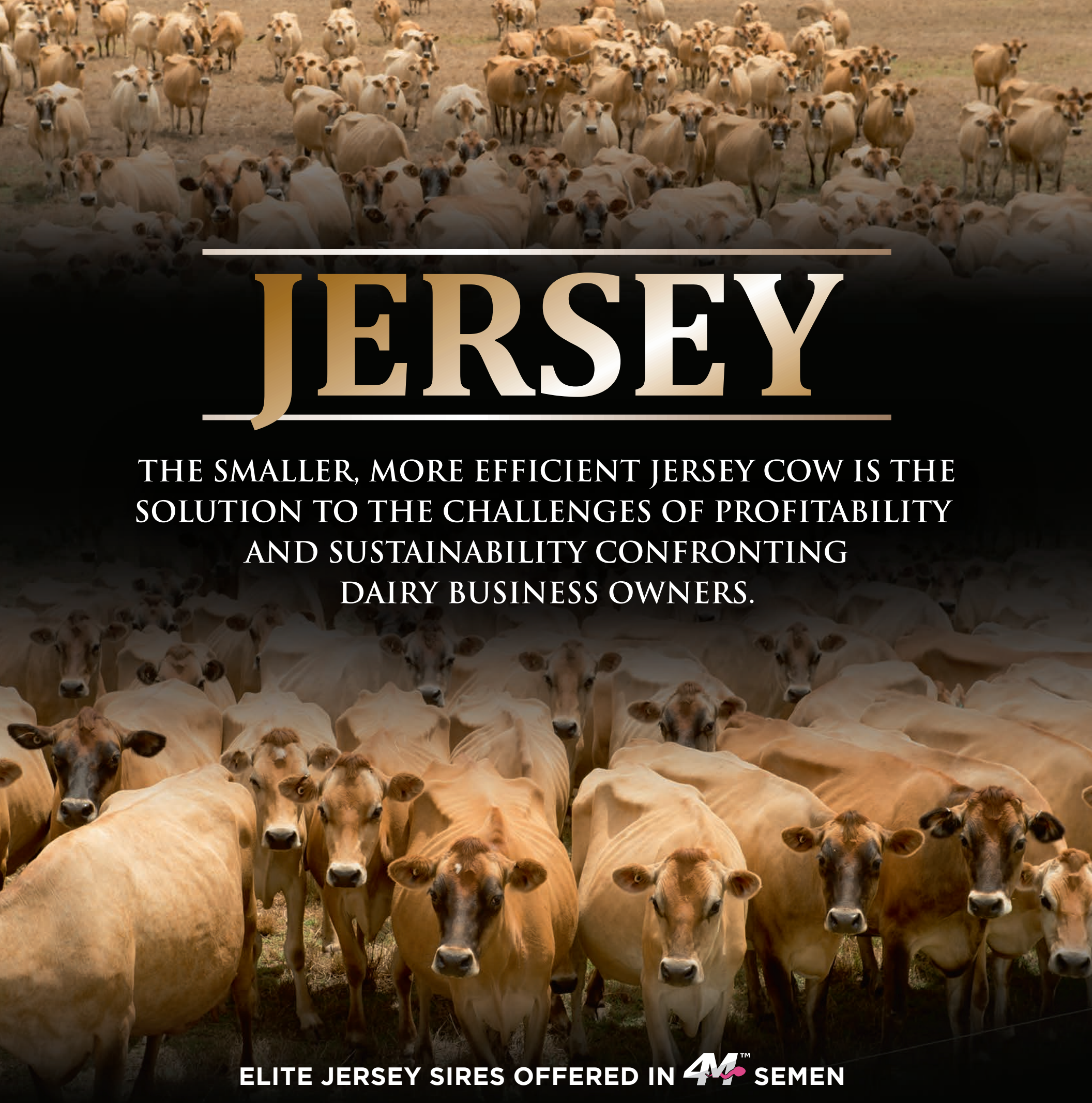
Double Prostaglandin Synchronization
- Consists of a double prostaglandin injection over a 14-day interval.
- Slightly more efficient than a single injection protocol.
- Both prostaglandin protocols will be more efficient on heifers and dry cows.

Ovsynch Heat Detection Protocol
- Consists of a single GnRH injection on day 1.
- A prostaglandin injection 7 days later with heat detection.
- More efficient than using only prostaglandin especially for lactating cows.

CIDR Protocol with Heat Observation
- On day one, a CIDR is administered along with a GnRH injection.
- At day 7, inject prostaglandin and remove the CIDR.
- Heat detection on day 8 (PM), day 9 (AM/PM), day 10 (AM).
- Most females will show heat on day 9.
- Better synchronization results than most prostaglandin protocols.
- More expensive with more labor.
- Requires 3 chute movements including the AI and heat observation.

Fixed Time AI Protocol
- Consists of the same CIDR protocol with a hormone to synchronize and induce ovulation.
- Allows producer to AI all females at a fixed time after CIDR removal.

There can be several variations of these recommended protocols. Because of this, it is best to consult with your local veterinarian on the right protocol for your cattle and operational goals.



JERSEY

THE SMALLER, MORE EFFICIENT JERSEY COW IS THE SOLUTION TO THE CHALLENGES OF PROFITABILITY AND SUSTAINABILITY CONFRONTING DAIRY BUSINESS OWNERS.

ELITE JERSEY SIRES OFFERED IN 4M™ SEMEN

NEW	CODE	NAME	A2A2	JPI	CM$	MILK	FAT	% FAT	PRO	% PRO	SCS	PL	DPR	LIV	GPTAT	JUI
	551JE01650	JX SUNSET CANYON **GOT MAID** {5}-ET		**158**	644	1663	81	0.00	65	0.02	2.65	4.2	-2.2	-2.4	0.70	-1.2
✓	551JE01762	JX SEXING **GALLANTRY** {4}-ET	A2A2	**149**	620	1063	72	0.09	48	0.04	3.03	4.1	-0.7	0.4	1.50	10.0
	551JE01717	JX KASH-IN GOT **JIGGY** {6}-ET	A2A2	**144**	571	1028	58	0.04	44	0.03	2.69	5.2	-0.1	0.0	0.60	1.2
✓	551JE01781	JX SEXING GM **RHUSS** {6}-ET	A2A2	**142**	558	899	57	0.06	35	0.01	2.71	5.2	0.3	-0.4	1.10	8.8
	551JE01766	JX SEXING GM **PADDOCK** {4}-ET	A2A2	**130**	547	1368	56	-0.05	56	0.03	2.86	4.2	-0.4	-0.5	0.80	4.0
	551JE01732	JX SEXING GOT MAID **PURSUE** {4}-ET		**130**	529	1443	58	-0.05	53	0.00	2.73	4.5	-1.8	-2.0	1.50	6.7
	551JE01757	JX PINE-TREE **ENZO** DAVID 1908 {4}-ET	A2A2	**121**	531	823	45	0.02	43	0.06	2.88	4.6	-0.5	0.7	1.80	10.6
	551JE01752	JX TAYLOR BROTHERS GM **MACEO** {4}-ET	A2A2	**117**	479	838	62	0.10	42	0.05	2.84	2.9	0.5	-0.9	0.30	-2.6
	551JE01751	JX JER-Z-BOYZ **WINWOOD** {5}-ET		**116**	453	-156	34	0.20	24	0.14	2.86	4.5	2.0	1.6	0.30	4.0
	551JE01719	JX SEXING HATARI **PRATO** {4}-ET		**114**	471	1123	51	-0.02	51	0.04	3.04	3.4	-1.6	0.3	0.50	0.9
✓	551JE01758	JX PINE-TREE ENZO **DUNDEE** 1926 {4}-ET	A2A2	**113**	435	1183	35	-0.10	43	0.00	2.93	4.1	0.7	1.7	0.70	0.8
	551JE01710	JX FARIA BROTHERS **ASENSIO** {4}-ET	A2A2	**106**	450	573	58	0.14	46	0.11	3.01	1.7	-1.1	-2.6	0.70	5.2
	551JE01742	JX SEXING TYRION **PASCO** {3}-ET	A2A2	**102**	434	-437	49	0.34	12	0.13	3.02	4.3	1.2	0.3	1.20	8.5
	551JE01731	JX SEXING HATARI **BYRON** {4}-ET	A2A2	**97**	426	410	32	0.06	22	0.03	3.02	5.3	1.1	2.5	1.60	12.5
	203JE01631	JX FARIA BROTHERS **NATE DOGG** {2}-ET	A2A2	**95**	373	177	32	0.11	20	0.06	3.26	3.1	1.5	3.0	1.30	13.8
	551JE01756	JX PINE-TREE ENZO **DAVE** {4}-ET	A2A2	**95**	372	986	31	-0.08	32	-0.02	2.91	4.5	0.0	0.9	1.10	4.7
	551JE01749	JX SEXING WORLD CUP **PHOENIX** {4}-ET	A2A2	**94**	396	151	30	0.11	25	0.09	2.83	4.5	0.0	0.4	1.50	9.4
	551JE01746	JX PINE-TREE DISCO **CHAPEL** HILLBILLY {4}-ET		**92**	355	589	26	-0.01	26	0.02	2.95	4.5	0.9	0.3	1.00	4.1
	551JE01740	JX SEXING UNCLE LUKE **BERRARA** {3}-ET	A2A2	**90**	332	273	28	0.07	10	0.00	2.88	3.9	1.5	2.2	1.10	11.0
	551JE01723	PINE-TREE DISCO **BUBBA**-ET		**89**	329	-97	10	0.07	6	0.05	2.80	5.2	2.7	1.8	1.30	16.3
	551JE01699	JX FARIA BROTHERS **FAMILIA** {3}-ET	A2A2	**79**	374	291	51	0.17	17	0.03	2.97	2.6	-0.5	1.5	1.50	9.3
	551JE01753	JX SEXING PRI **DALOA** {4}	A2A2	**75**	318	382	28	0.04	21	0.03	2.91	3.8	0.5	0.2	0.90	3.7
	551JE01744	JX SEXING TYRION **CLAY** {3}-ET	A2A2	**73**	338	447	38	0.08	29	0.06	2.96	2.9	-0.7	0.1	0.60	3.1

CDCB & AJCA (04/20

JEXHO

The benefits of crossbreeding with Jerseys are numerous.

Easier calvings, higher butterfat and protein, smaller size... the advantages are abundant!

- Calving ease
- Higher components
- Smaller size

JERSEY SIRES FOR CROSSBREEDING AVAILABLE IN 4M™ SEMEN

CODE	NAME	A2A2	JPI	CM$	MILK	FAT	% FAT	PRO	% PRO	SCS	PL	DPR	JUI
203JE01632	**TYRION**	A2A2	87	324	-228	48	0.28	15	0.11	3.09	1.4	0.9	-0.7
551JE01713	**KENNY**	A2A2	74	300	738	45	0.04	23	-0.02	2.95	2.5	0.2	0.2
551JE01642	**CRANSTON**	A2A2	40	235	104	41	0.17	21	0.08	2.90	-0.5	-2.8	9.1
551JE01651	**PALMER**	A2A2	81	333	300	39	0.11	18	0.03	2.85	3.1	-0.5	7.2
551JE01735	**MODRIC**	A2A2	71	282	646	36	0.02	25	0.01	2.87	1.9	-0.9	-0.5
551JE01714	**CAVANI**	A2A2	46	257	-22	34	0.16	14	0.07	2.98	1.2	-1.8	3.5
551JE01721	**JARVIS**	A2A2	53	266	159	33	0.12	20	0.07	2.99	1.2	-0.3	0.2
151JE01625	**AUTOMATIC**	A2A2	78	267	-16	33	0.16	8	0.04	2.89	2.4	1.9	-1.5
203JE01423	**REPORTER**	A2A2	62	238	1062	31	-0.09	31	-0.04	3.13	1.2	-2.1	10.1
203JE01637	**TUX**		75	263	151	31	0.11	7	0.01	3.13	2.2	4.2	-3.2
551JE01747	**MEDFORD**	A2A2	87	338	535	30	0.02	36	0.08	3.03	3.0	0.1	-1.1
551JE01737	**MAHREZ**	A2A2	86	338	345	26	0.04	27	0.07	2.84	2.9	0.5	3.6
551JE01667	**COUNTDOWN**	A2A2	93	322	923	25	-0.09	37	0.01	2.91	3.6	0.7	-2.3
551JE01654	**BRUNO**	A2A2	66	217	650	25	-0.03	25	0.01	3.01	0.7	-0.4	5.6
203JE01638	**MIRROR**	A2A2	51	257	-634	25	0.27	3	0.13	2.96	2.1	2.1	2.6
551JE01690	**PINSON**		60	291	296	24	0.04	26	0.07	2.84	3.5	-1.1	7.4
551JE01679	**BARLEY**	A2A2	69	257	563	24	-0.01	16	-0.02	2.95	3.1	1.1	1.3
551JE01668	**CHICO**	A2A2	95	337	800	23	-0.07	37	0.03	2.97	3.3	-0.7	2.3
203JE01620	**DAGGAR**	A2A2	68	320	202	23	0.06	20	0.06	2.96	2.9	-0.2	14.2

Source CDCB/AJCA (04/20)

Vision+™

THE GENETIC VISION YOU'VE ASKED FOR.

THE MOST COMPREHENSIVE GENOMIC TEST ON THE MARKET, NOW AVAILABLE FOR ALL.

GENOMIC TESTING WITH STgenetics

GENOMIC TESTING PROVIDED BY Genetic Visions-ST™

		Vision+™ 75	NEW* Vision+™ 20
GENOMIC VALUES PROVIDED BY CDCB		✓	✓
NUMBER OF TRAITS		75*	20
CDCB*	PRODUCTION	7	Milk Yield, Fat Yield, % Fat, Protein Yield, % Protein
	HEALTH & LONGEVITY	20	Productive Life Livability SCS DPR
	CONFORMATION	22	UDC FLC BSC
	SELECTION INDICES	4	NM$ CM$ FM$
MILK MARKERS		Kappa Casein Beta Casein A2 Beta Casein AB Beta Lactoglobulin	Kappa Casein Beta Casein A2 Beta Casein AB Beta Lactoglobulin
MARKERS PACKAGE		18 included*	Available for upgrade
ecofeed		✓	✓
PARENTAGE DISCOVERY		✓	✓
CHROMOSOMAL MATING		✓	✓

*Vision+20™: Available soon from STgenetics® and Genetic Vision-ST™: 20 traits genomic test for females. Watch for further announcement.

*75 Traits genomic test is for the Holstein breed. The number of traits vary for each breed.

*CDCB: Council on Dairy Cattle Breeding.

*All standard marker results (18) will be included with your genomic results at no extra cost with purchase of STgenetics® semen.

Beef on DAIRY

WITH STgenetics®

MALE BEEF

Take control of your female population and breed 4M™ Male Beef on the baseline of your herd

- **Crossbred male calves** have higher earnings
- Easier management-calving ease, shorter gestation length, heterosis, vigor and quality
- 4M™ Male Beef Sires chosen specifically with dairy in mind

BEEF SIRES AVAILABLE IN 4M™ SEMEN

	CODE	NAME	4M™ FEMALE	4M™ MALE	TOP DOLLAR ANGUS	CED	BW	WW	YW	YH	CW	MARB	RE	FAT	$B	$C
ANGUS	551AN01612	**WEIGH MORE**		✓	✓	14	0.4	77	144	0.9	58	1.35	0.90	-0.003	198	318
	551AN01609	**EL DORADO**		✓	✓	7	2.4	97	174	1.2	76	0.97	1.04	-0.034	193	313
	551AN01518	**SUNBEAM**	✓	✓	✓	11	1.2	73	130	0.8	61	1.17	1.05	-0.027	190	319
	551AN01474	**STORM**	✓	✓	✓	16	-1.0	77	133	0.9	58	1.03	0.97	-0.009	185	281
	151AN01419	**ROYAL FLUSH**	✓	✓	✓	3	3.0	78	138	0.9	59	0.81	0.88	-0.014	177	273
	551AN01477	**BLACK ONYX**	✓	✓	✓	13	-1.4	77	141	0.7	73	0.44	0.89	-0.007	175	289
	203AN01411	**CATTLEMASTER**	✓	✓	✓	9	2.7	76	132	1.1	58	0.97	1.17	0.007	170	287
	151AN01418	**CHIEFTAIN**	✓	✓	✓	3	2.4	73	121	0.3	55	0.82	0.80	0.005	166	264
	551AN01507	**BLUE SKY**	✓	✓	✓	6	3.2	79	137	0.5	64	0.82	0.68	0.036	167	290
	551AN01575	**CASCADE**	✓	✓	✓	12	-1.4	69	135	0.4	59	0.67	0.98	0.027	159	248
	203AN01427	**MESSENGER**	✓	✓		-1	2.7	57	102	0.7	45	0.50	1.11	-0.003	141	229

	CODE	NAME	4M™ FEMALE	4M™ MALE	TOP DOLLAR ANGUS	CE	BW	WW	YW	CW	YG	MARB	BF	REA	SHEAR	TI
SIMMENTAL/SIMANGUS	203SM09000	**EFFECTIVE**	✓	✓		16.4	-1.5	63.8	101.8	30.6	-0.21	0.49	-0.038	0.64	-0.35	78.5
	203SM09001	**CONQUEST**		✓	✓	15.4	-1.1	69.5	107.8	43.6	-0.06	0.47	-0.014	0.52	-0.42	79.0
	551SM09013	**NORTHWARD**	✓	✓		2.6	5.4	88.9	136.1	52.1	-0.36	0.29	-0.078	1.06	-0.48	78.6
	551SM09016	**COMPASS**	✓	✓		14.8	2.0	84.3	134.2	22.9	-0.31	0.47	-0.043	0.82	-0.64	85.7
	551SM09017	**FREEDOM**		✓		6.4	3.0	75.8	125.1	36.0	-0.27	0.50	-0.064	0.70	-0.55	79.9
	551SM09018	**APOLLO**	✓	✓		0.6	5.2	78.5	108.6	24.2	-0.68	0.01	-0.173	0.95	-	70.6
	551SM09037	**REMEDY**		✓	✓	10.0	-0.1	70.7	113.7	54.4	-0.26	0.38	-0.058	0.93	-0.39	76.7
	551SM09038	**COMRADE**		✓	✓	16.4	0.3	75.3	121.1	43.9	-0.17	0.47	-0.019	0.83	-0.29	82.0
	551SM09039	**CAMPFIRE**		✓		12.9	1.2	84.6	121.3	44.4	-0.41	0.39	-0.083	1.07	-0.48	88.5
	551SM09043	**YUMA**		✓	✓	11.7	1.1	66.8	101.8	25.1	-0.22	0.65	-0.021	0.73	-0.35	79.5

OTHER BREEDS	CODE	NAME	4M™ FEMALE	4M™ MALE	CED	BW	WW	YW	CW	MARB	RE	Fat
BRAUNVIEH	203BU01501	**PRIMETIME**	✓	✓	6.6	-0.6	40	66	24	0.88	0.27	-0.093
CHAROLAIS	551CH01502	**FOREMAN**	✓	✓	12.1	-3.5	39	80	19	0.16	0.76	0.028
HORNED HEREFORD	551HH01700	**FLINTLOCK**		✓	-5.9	3.3	63	106	63	0.20	0.28	-0.007
POLLED HEREFORD	551HP01611	**CHIEF**			10.6	-1.9	58	89	66	0.15	0.50	0.043
LIMOUSIN	203LM01400	**ACE VENTURA**	✓	✓	22	-5.5	55	95	8	0.10	0.78	-0.01

	CODE	NAME	4M™ FEMALE	4M™ MALE
WAGYU	203KB01327	**RED GALAXY**	✓	✓
	203KB01602	**PATTON**	✓	✓
	551KB01611	**MICHIYOSHI**	✓	✓
	551KB01612	**RINGS**	✓	✓

Expected Progeny Difference (EPD), is the prediction of how future progeny are expected to perform. EPDs are expressed in units of measure for the trait, plus or minus. The EPDs listed above are provided by the breed association as of 4/6/2020. EPDs are expected to change every week.

STgenetics® Beef is excited to announce our partnership with Top Dollar Angus.

Top Dollar Angus (TDA) is the first and only certification program for commercial feeder cattle focused exclusively on Angus and Red Angus-based cattle with Top 20% growth and carcass traits. TDA strives to enhance the cattle buying process by providing value-based, genetic analytics that strongly correlate to risk reduction. The precision added by genetics verification helps fine tune profitability estimates, creating opportunities to seek out more valuable cattle.

BUSINESS, A WHOLE NEW WAY

DAIRY CALL CENTER

GETTING HELP HAS NEVER BEEN SO EASY!

Our experienced Dairy Team processes direct sales orders, answers your questions and provides expert support to meet your dairy's needs.

- **ORDER SEMEN**
- **GENOMIC TESTING & INFO**
- **MATING ASSISTANCE**
- **BEEF ON DAIRY**
- **LEGEND PROGRAM**

CALL TODAY

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dairy@stgen.com

BROWN SWISS

LONG PRODUCTIVE & REPRODUCTIVE LIFE

Longevity is a feature of the Brown Swiss breed that has always been predominant.

Long productive lives have strongly shown through because of the importance this value has always been on the breeds genetic selection goals.

ELITE BROWN SWISS SIRES AVAILABLE IN 4M™ SEMEN

CODE	NAME	A2A2	BB	PPR	NM$	CM$	MILK	FAT	% FAT	PRO	% PRO	SCS	PL	DPR	GPTAT	UDC	FLC
551BS01424	**LUCKY CHANCE**	A2A2	BB	209	412	403	2076	63	-0.09	58	-0.05	3.17	0.7	-0.1	-0.10	0.34	-0.36
551BS01429	**SONIC**		BB	172	468	494	900	47	0.04	40	0.04	2.80	3.5	1.4	0.10	0.08	-0.27
551BS01427	**ALLOY**	A2A2	BB	171	444	486	464	46	0.11	37	0.09	2.77	3.1	2.4	0.10	0.38	-0.66
551BS01430	**HERREN**	A2A2	BB	150	403	427	733	51	0.09	36	0.05	2.95	2.2	-0.4	0.40	0.28	1.16
551BS01415	**GAMECHANGER**	A2A2	BB	131	254	296	391	36	0.09	37	0.10	2.95	0.2	-0.3	0.60	0.42	0.18
551BS01411	**DAIRY KING**	A2A2	BB	120	272	297	679	29	0.01	35	0.05	2.97	1.3	0.5	0.50	-0.01	0.52
551BS01422	**MARTINI**			118	263	274	480	27	0.03	21	0.02	2.98	1.6	0.9	0.90	1.42	1.14
551BS01420	**SHOTGUN**		BB	114	280	287	840	43	0.04	29	0.00	2.97	0.7	-1.2	0.50	0.62	0.95
551BS01425	**DAIRYSTAR**		BB	105	270	292	219	10	0.00	18	0.05	2.83	4.0	2.2	0.60	1.07	0.00
551BS01410	**LAMBORGHINI**			90	174	185	795	25	-0.03	29	0.01	2.90	-1.5	-0.8	0.30	0.67	1.57
551BS01428	**SNAPCHAT-P**	A2A2	BB	85	187	205	234	28	0.08	19	0.05	3.06	0.0	1.3	-0.20	0.14	-0.88
551BS01421	**KICKSTART**		BB	83	212	224	206	18	0.04	14	0.03	3.07	1.3	0.5	1.00	1.20	1.34
076BS01406	**CHISEL**		BB	64	168	192	349	25	0.05	23	0.05	2.85	-0.1	-0.4	0.00	-0.69	0.09
551BS01431	**SECRET WEAPON**	A2A2	BB	38	83	107	-185	3	0.05	7	0.06	2.84	0.1	-0.5	1.10	1.47	0.32
551BS01414	**FAMOUS**	A2A2	BB	17	-41	-57	623	0	-0.11	9	-0.05	3.06	-1.5	-0.1	0.20	0.33	1.16
551BS01423	**STRETCH**	A2A2	BB	15	-30	-28	298	-4	-0.07	11	0.00	3.10	-2.1	-1.0	0.70	0.97	1.20

CDCB & BSAUSA (04/20)

SWISS X HOLSTEIN

GAIN HYBRID VIGOR BY CROSSING WITH

BROWN SWISS

SWISS X HOLSTEIN

HEAT STRESS?

No problem Brown Swiss are more adaptable to hot climates

COMPONENTS?

Check! Greater fat and protein yields than Holsteins alone or other HO crosses

PRODUCING FOR CHEESE?

Got it! Brown Swiss have higher allele frequencies for the A2 beta-casein and B kappa-casein, meaning more cheese production per pound of milk

BROWN SWISS SIRES FOR CROSSBREEDING AVAILABLE IN 4M™ SEMEN

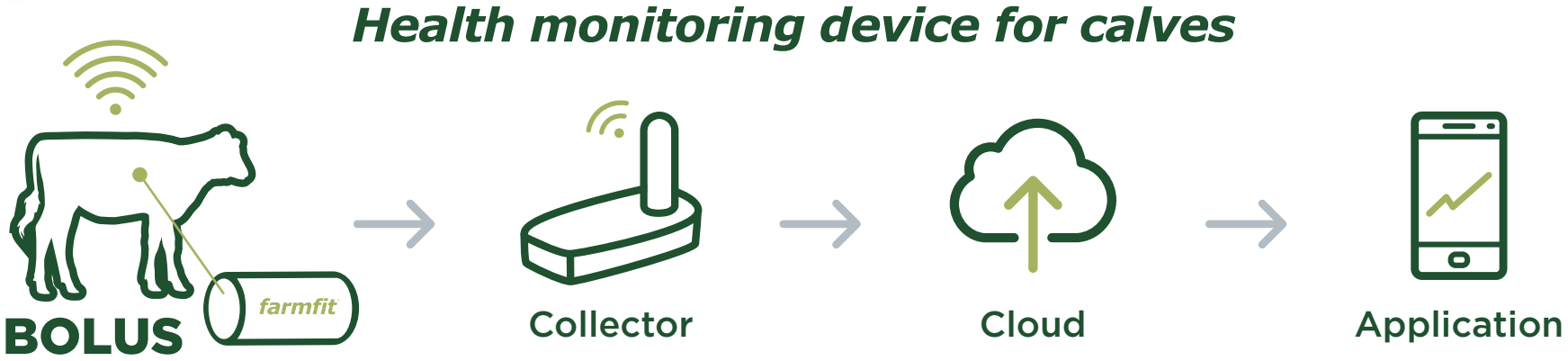
CODE	NAME	A2A2	BB	NM$	CM$	FAT	% FAT	PRO	% PRO	SCS	PL	DPR	UDC	FLC	SCE
151BS01408	**LOST ART**			186	155	28	-0.11	21	-0.10	3.00	-0.2	2.3	0.11	-0.57	4.4
551BS01418	**HISTORY**	A2A2	BB	233	247	3	-0.08	20	0.01	2.66	4.1	1.7	1.02	0.39	4.9
203BS01137	**THUNDER**			164	164	9	-0.08	24	0.00	3.24	2.2	-0.1	0.70	-0.84	4.0
551BS01417	**CRAWFORD**		BB	215	223	19	-0.02	21	0.00	2.84	1.6	0.9	0.26	0.16	5.5
551BS01413	**DISCO**	A2A2	BB	117	112	11	-0.12	27	-0.02	3.09	0.5	-0.4	0.36	0.43	4.9
151BS01403	**STRYKER**	A2A2	BB	139	131	21	-0.08	23	-0.04	2.98	-0.5	-1.8	0.09	1.04	4.7
551BS01416	**JACKPOT NP**			155	148	17	0.02	6	-0.02	3.10	1.9	0.3	0.64	0.14	3.5
151BS01409	**WIZDOM**	A2A2		26	26	18	0.01	10	-0.01	2.90	-2.5	-1.6	0.11	0.18	5.1
151BS00224	**WUNDER**			-62	-78	-1	-0.04	-3	-0.04	3.04	-0.3	-0.9	0.66	-0.18	4.5
151BS01407	**TARZAN**	A2A2	BB	81	66	-3	-0.02	-11	-0.05	2.80	1.8	0.8	0.48	1.34	4.1
076BS01400	**GOLIATH**	A2A2	BB	-143	-156	8	0.03	-5	-0.03	3.18	-2.2	-1.2	0.76	-1.11	7.0

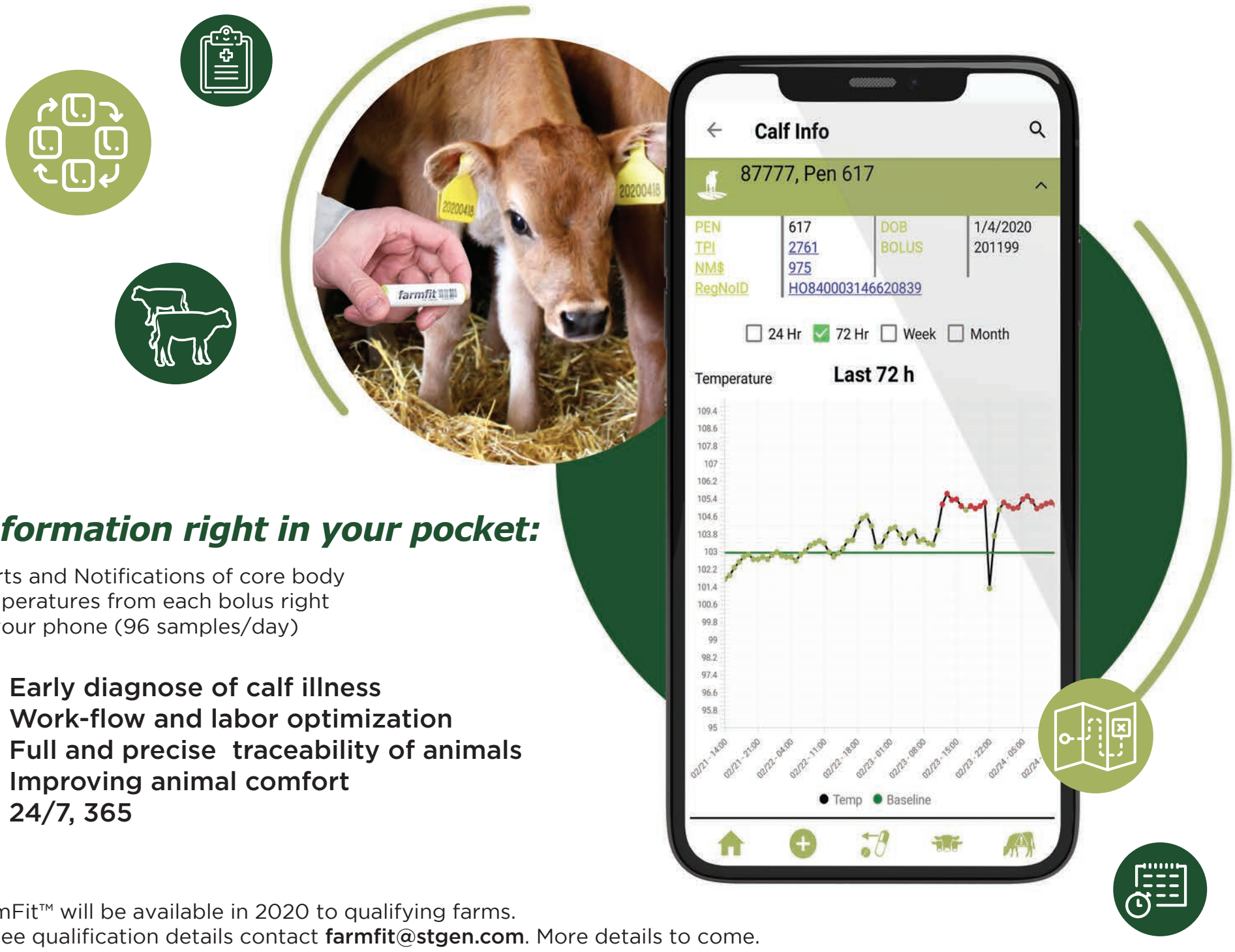
Source CDCB & BSAUSA (04/20)

Introducing farmfit™

powered by STgenetics

Health monitoring device for calves





Information right in your pocket:

Alerts and Notifications of core body temperatures from each bolus right to your phone (96 samples/day)

- **Early diagnose of calf illness**
- **Work-flow and labor optimization**
- **Full and precise traceability of animals**
- **Improving animal comfort**
- **24/7, 365**

FarmFit™ will be available in 2020 to qualifying farms.
To see qualification details contact **farmfit@stgen.com**. More details to come.

ULTRAFertility™

When Conception Matters Most

Designated ULTRAFertility™ sires also:

- Have a minimum of **300 INSEMINATIONS**
- Pregnancy check performed by **60 DAYS** post insemination
- Reliability exceeds **70%**
- Compared to the entire bull population, at over **300 HERDS**
- Verified on heifers and cows with 4M™ SEMEN

ULTRAFertility™ Sires are bulls who's conception rate is, at a minimum, 4% above the average of the entire breed population.

ULTRAFertility™ DESIGNATED SIRES OFFERED IN 4M™ SEMEN

CODE	ULTRAFertility™ RANKING	NAME	HAPLO-TYPES	A2A2	KCAS	JPI	NM$	MILK	FAT	PRO	SCS	PL	DPR	GPTAT	JUI
551JE01696	1	MAMBA		A2A2	BB	81	257	647	22	20	3.11	2.5	2.6	1.10	8.0
551JE01692	2	WONDRA		A2A2	BB	50	228	837	19	29	3.02	1.5	-0.6	0.90	8.9
551JE01642	3	CRANSTON		A2A2	BB	40	204	104	41	21	2.90	-0.5	-2.8	1.10	9.1
203JE01638	4	MIRROR		A2A2		51	221	-634	25	3	2.96	2.1	2.1	0.60	2.6
203JE01630	5	TI		A2A2		85	270	1023	1	27	3.05	2.8	2.2	2.20	24.2
203JE01387	6	HOBBIT		A2A2	BB	74	313	1204	50	41	3.12	0.7	-2.1	0.10	-0.4
203JE01618	7	LOTUS		A2A2		-4	1	-618	-21	-12	2.85	1.1	2.1	0.80	5.9
551JE01710	8	ASENSIO		A2A2	BB	106	404	573	58	46	3.01	1.7	-1.1	0.70	5.2
551JE01664	9	HATARI		A2A2	BB	73	276	778	14	28	2.97	3.9	0.4	0.70	3.0
203JE01632	10	TYRION		A2A2	BB	87	290	-228	48	15	3.09	1.4	0.9	0.00	-0.7
203JE01631	11	NATE DOGG		A2A2		95	355	177	32	20	3.26	3.1	1.5	1.30	13.8
203JE01424	12	MATRIX				1	16	-406	4	-5	3.07	1.3	-1.2	0.20	2.1
551JE01740	13	BERRARA		A2A2	BB	90	327	273	28	10	2.88	3.9	1.5	1.10	11.0
551JE01691	14	WAYLON		A2A2	BB	67	220	1032	15	33	3.08	1.9	0.1	0.80	8.6
551JE01662	15	BOOTS		A2A2	BB	41	151	1039	-1	21	3.04	2.4	0.5	0.60	9.1
551JE01652	16	CAFU	JH1C		BB	79	221	1518	22	47	3.00	1.0	-0.2	-0.20	-10.3
203JE01640	17	CONFORTO		A2A2	BB	4	29	-624	2	-17	3.02	0.8	0.6	1.10	14.5
203JE01620	18	DAGGAR		A2A2		68	297	202	23	20	2.96	2.9	-0.2	0.90	14.2
151JE01613	19	GORDON			BB	47	127	-310	4	-9	2.96	4.0	1.0	0.00	12.6
151JE00024	20	VINKA				24	90	-501	-1	-12	2.94	2.8	1.4	-0.10	1.4
551JE01677	21	TIPPER	JH1C	A2A2	AB	54	220	383	15	15	3.02	3.1	1.1	0.40	5.7
551JE01670	22	BANTER		A2A2	BB	68	298	1197	13	33	3.01	3.3	-0.8	1.50	11.4
551JE01665	23	BOWIE			BB	38	135	730	-3	10	3.04	3.0	0.6	0.70	6.8
551JE01658	24	PATRON		A2A2	BB	75	318	-379	50	12	2.93	2.5	-0.5	1.60	11.8
203JE01422	25	SOUL		A2A2		14	85	-48	15	0	3.07	1.9	-0.1	0.30	-2.8
203JE01388	26	CRIS	JH1C			35	88	-635	6	-11	2.96	3.5	1.9	-0.80	0.4
203JE01606	27	PURITAN		A2A2		25	163	-216	27	-5	3.07	1.9	-1.3	1.10	13.0
151JE01625	28	AUTOMATIC		A2A2	BB	78	251	-16	33	8	2.89	2.4	1.9	0.10	-1.5
551JE01654	29	BRUNO		A2A2	BB	66	208	650	25	25	3.01	0.7	-0.4	0.70	5.6

Source CDCB & HAUSA (04/20) | Source ULTRAFertility™ Sexing Technologies®

CHROMOSOMAL™ MATING

AVOID LEAVING MONEY ON THE TABLE

CHROMOSOMAL MATING™ will maximize the profitability of the next generation in your herd by increasing economic value while adjusting for inbreeding depression.

According to the USDA, inbreeding negatively impacts most of the economic traits that we select for in our breeding strategies. CHROMOSOMAL MATING™ calculates the best mating results by including the high accuracy genomic trait evaluations of your females and the sire team you select with the inbreeding depression of the selected trait for optimization and the actual genomic relationship of each mating pair. This will allow you to measure the performance of the resulting female progeny in your herd. In the past, inbreeding was simply limited in the next generation. CHROMOSOMAL MATING™ includes the most accurate inbreeding depression calculation available so you can make the best breeding decisions based on profitability.

You can breed your animals with confidence knowing that females with genomic results and known negative haplotypes will not be mated to bulls with the same negative haplotypes.

CHROMOSOMAL™ MATING

Identify the best mating pairs

- Make the most profitable offspring

Utilize Genomic Evaluations

- Genomic test females and use their results in the mating program
- Account for the actual relationship of each mating pair to identify pairs with the highest progeny potential

Optimize Predicted Producing Value (PPV)

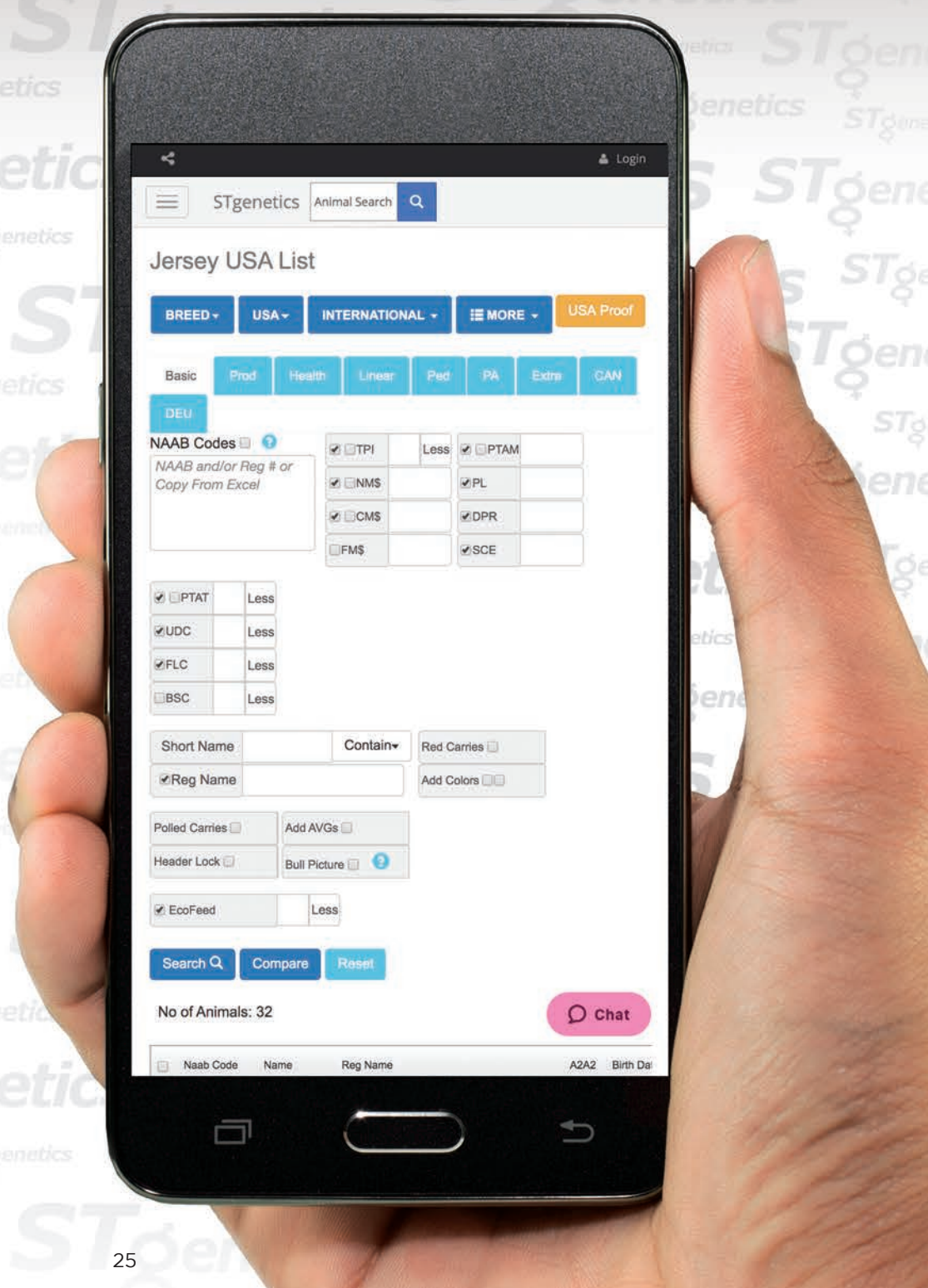
- Include the inbreeding depression of the selected trait
- Penalize the actual genomic relationship of each mating pair
- Calculate the best solutions to increase profitability in progeny

STgen.com

GET RESULTS FROM YOUR GENETIC TESTS IN ONE CONVENIENT PLACE ONLINE

FIND YOUR RECENTLY SUBMITTED GENOMIC RESULTS

- Search engine for genetics; males & females
- Plan matings with Parent Average prediction
- Analyze proof history of individuals
- Find out USDA and CDN information



COLORED BREEDS

Ayrshire

SIRES OFFERED IN 4M™ SEMEN

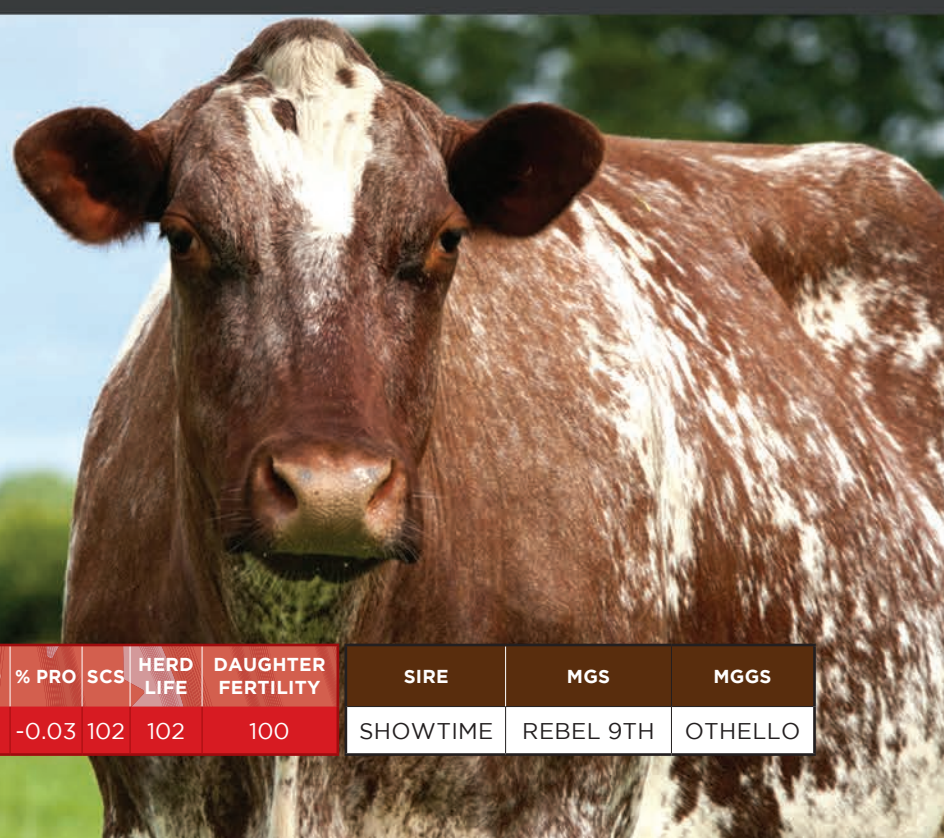
NEW	CODE	NAME	A2A2	PTI	NM$	CM$	MILK	FAT	FAT%	PRO	PRO%	SCS	PL	DPR	GPTAT	UDC
	551AY00776	**SHINING**		513	397	422	644	54	0.14	35	0.07	3.02	1.7	-1.4	0.20	0.59
	551AY00783	**PRETZEL**		513	349	359	889	44	0.04	32	0.02	2.93	1.6	0.3	0.40	0.52
	551AY00775	**SAGUENAY**		485	243	244	910	34	-0.01	27	-0.01	2.92	0.3	-1.9	0.20	0.94
	551AY00772	**B-KING**		485	204	215	397	40	0.12	20	0.04	3.08	-1.0	-0.7	0.60	0.75
	551AY00789	**CALDER P**		484	339	348	772	38	0.04	28	0.02	2.93	3.7	0.8	-0.10	0.12
✓	551AY00795	**RINGER**		483	355	362	609	43	0.09	20	0.00	2.82	2.9	-1.1	0.20	0.79
	076AY00770	**SPECIFIC*FC**		481	246	269	342	40	0.13	23	0.06	2.88	0.0	0.6	0.00	0.19
	551AY00784	**RUSSEL**	A2A2	468	253	255	758	29	-0.01	23	-0.01	2.91	1.6	0.7	-0.20	0.05
	551AY00786	**CASHFLOW**		457	243	254	232	34	0.13	15	0.04	3.11	1.8	2.0	-0.30	0.33
	147AY08116	**VOLKA**		442	222	238	235	25	0.08	15	0.04	2.81	2.8	-0.8	-0.20	0.34
	076AY00759	**PEDRO**		434	87	104	-24	9	0.05	9	0.05	2.97	0.2	0.7	0.30	0.00

GUERNSEY

SIRES OFFERED IN 4M™ SEMEN

CODE	NAME	A2A2	PTI	NM$	CM$	MILK	FAT	FAT%	PRO	PRO%	SCS	PL	DPR	GPTAT	UDC	FLC
551GU00908	**TOBY KEITH**	A2A2	99	358	380	247	42	0.17	19	0.06	2.83	3.1	0.4	0.40	0.30	1.50
522GU00903	**EXCALIBUR**	A2A2	57	130	142	195	25	0.09	13	0.04	2.97	0.5	-0.5	0.60	0.10	1.60
076GU00810	**LATIMER**	A2A2	37	-86	-71	-1	-6	-0.03	10	0.06	3.06	-1.1	-1.9	1.30	1.40	3.30
551GU00902	**PRIDE**	A2A2	31	183	175	476	0	-0.12	6	-0.05	2.79	3.4	1.3	0.00	0.20	0.00
551GU00901	**BROGDON**	A2A2	26	132	125	605	-2	-0.16	11	-0.05	2.77	2.3	0.7	-0.10	0.20	-0.30
522GU00904	**VICTOR**	A2A2	-8	29	53	-1000	-14	0.19	-18	0.09	2.78	2.7	2.2	-0.20	0.30	0.30
076GU00809	**TITAN**	A2A2	-38	-121	-126	-292	-33	-0.11	-14	-0.02	2.81	2.1	0.0	0.70	0.70	0.60

Milking SHORTHORN



SIRES OFFERED IN 4M™ SEMEN

CODE	NAME	NM$	CM$	GPTAT	UDC	FLC	GPA-LPI	MILK	FAT	% FAT	PRO	% PRO	SCS	HERD LIFE	DAUGHTER FERTILITY	SIRE	MGS	MGGS
076MS00501	**RICOCHET**	-191	-198	0.00	0.28	0.20	939	-195	-20	-0.19	-7	-0.03	102	102	100	SHOWTIME	REBEL 9TH	OTHELLO

TOP OF CLASS
in and out of the ring

STyle genetics™ is a must-have tool for dairymen focusing on type in their breeding strategy.

STyle genetics™ sires are carefully selected through their genomic results to provide balance, production and strong type, favoring showring results and high classification scores while possessing deep maternal lines.

STYLE GENETICS™ SIRES OFFERED IN 4M™ SEMEN

JERSEY

CODE	NAME	A2A2	GPTAT	UDC	STA	CONF.	MS	F&L	RUMP
551JE01784	**LEVINE**	A2A2	1.70	15.8	1.80	11	12	3	9
551JE01723	**BUBBA**		1.30	16.3	0.20	9	12	4	2
551JE01772	**KID ROCK**		1.20	14.7	0.90	13	11	10	12
551JE01775	**FRANK**		1.20	18.1	1.30	13	12	10	7
076JE00156	**TEQUILA**		1.10	12.1	3.60	13	10	13	9
551JE01790	**MATADOR**		0.80	6.3	0.00	8	8	10	5
224JE02479	**ENGINEER**		0.40	7.7	0.10	8	6	8	8

AYRSHIRE

551AY00772	**B-KING**		0.60	0.75	1.90	9	8	6	7
076AY00750	**DOUBLWHAMMY**		0.50	1.14	6.30	7	5	3	5
147AY08111	**PREDATOR**	A2A2	0.50	0.89	2.50	7	9	2	6
551AY00795	**RINGER**		0.20	0.79	0.20	10	10	8	8

BROWN SWISS

CODE	NAME	A2A2	GPTAT	UDC	FLC	STA	CONF.	MS	F&L	RUMP
551BS01431	**SECRET WEAPON**	A2A2	1.10	1.47	0.32	1.10	16	14	7	11
551BS01421	**KICKSTART**		1.00	1.20	1.34	0.90	12	13	6	1
551BS01422	**MARTINI**		0.90	1.42	1.14	1.60	12	11	7	4
551BS01423	**STRETCH**	A2A2	0.70	0.97	1.20	2.40	11	10	2	6
551BS01415	**GAMECHANGER**	A2A2	0.60	0.42	0.18	0.70	8	5	6	6
551BS01414	**FAMOUS**	A2A2	0.20	0.33	1.16	1.90	11	10	6	9

GUERNSEY

076GU00810	**LATIMER**	A2A2	1.30	1.40	3.30	3.30	16	13	16	9

MILKING SHORTHORN

076MS00501	**RICOCHET**		0.00	0.28	0.20	-0.50	-2	-3	1	2

Source CDN, CDCB & HAUSA (04/20)

PTAT, UDC & FLC is developed and calculated by the Holstein Association USA. They are indexes that allow dairy producers to make sire selection based on conformation.

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Utilize the sex-sorted semen that brings certainty to your breeding decisions.

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Beef on DAIRY

Optimize your female population and use male beef semen on the baseline of your herd.

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