



DAIRY

SIRE DIRECTORY



Fast Forward your Genetic Progress™

Better Genetics

High IDI, top genetic sires

More Milk

Higher productivity

Easy Calving

Reduced bio-security risk and dystocia



More Heifers

No replacement costs

More Profit Sources

Heifer sales

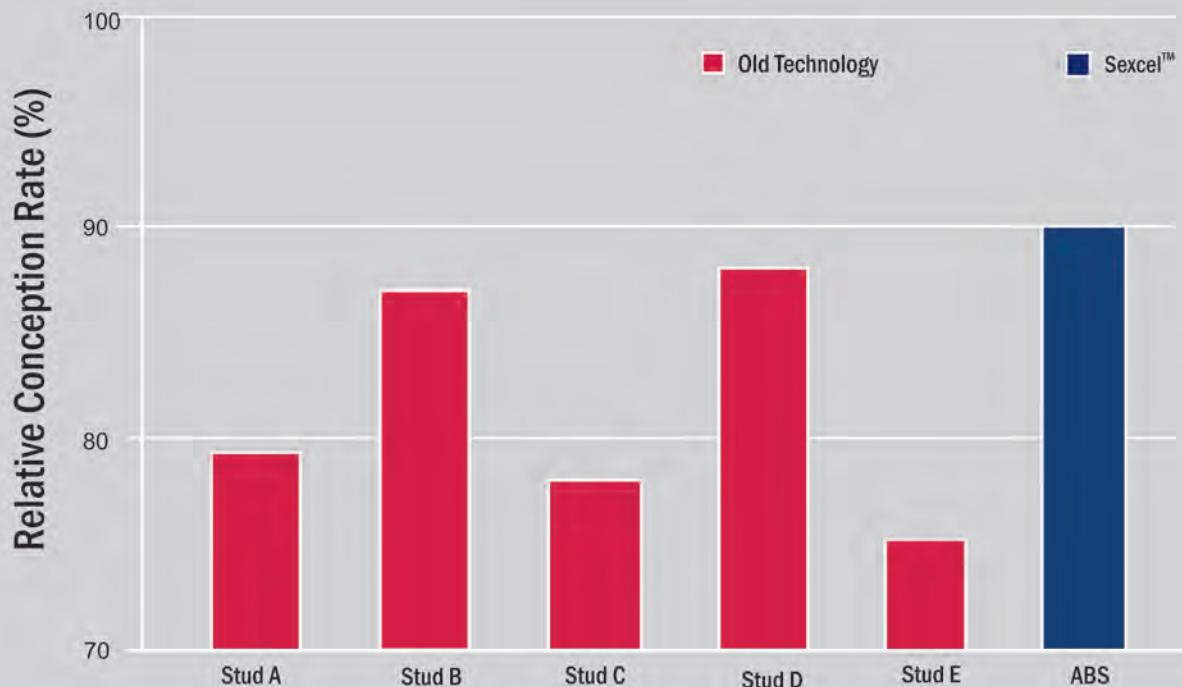
Sexcel

ABS proprietary
sexed technology

We have tested and validated Sexcel extensively to be confident of its performance. We were able to do this through field trials involving over 12,000 units of Sexcel.

Our trials show that Sexcel achieves a higher relative conception rate when compared to conventional semen than other sexed genetic products available on the market.*

How does Sexcel™ compare?



* Relative conception rate (RCR) measures conception rate of sexed semen compared to conception rate of conventional semen from the same sires. Data is taken from inseminations in heifers with pregnancy checks at 30-90 days. This data does not reflect a head to head trial. Data source: Sexcel data is from a 2016 ABS Global field trial. Stud A, B, C, D, E data is from customer commercial results 2014-2017 reported through the ABS Real World Data® database for the major bull studs in the AI industry.



Sexcel™ is ABS Global's sexed genetics product. It has been created using a completely new and unique technology.

Sexcel uses the most advanced technology available on the market today, combined with excellent fertility and the most profitable ABS genetics to help improve product performance.

By using our new Sexcel product, you will get more high value female pregnancies in your herd.



ABS PRIMETIME®[®]

IMPORTED

GENOMIC

S I R E S



29H018398

HULK

MAIN EVENT x ALTAEMBASSY x ROBUST

+1193

Milk (lbs)

+6740

IDI

29H018395

EVEREST

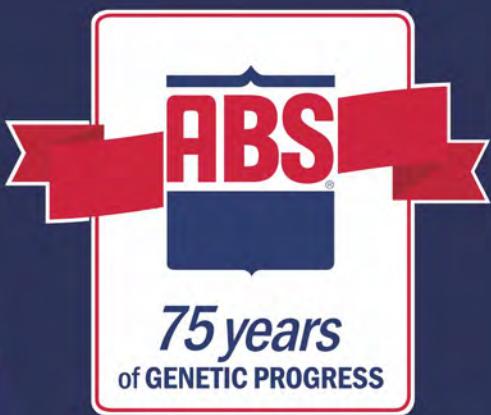
ALTASPRING x ALTAEMBASSY x ROBUST

+924

Milk (lbs)

+5213

IDI



ABS India has the imported bull power from USA to provide breeding solutions to producers around the country.

These sires deliver the industry's most sought-after genetics, providing dairy farmers the opportunity to take advantage of elite genetics that deliver profitability through star power and proven ability to add profit to any herd country-wide. Contact your local ABS representative to add power of these ABS PrimeTime Elite Imported Genomic Sires to your breeding program today!

29H018390

STRYKER

BOASTFUL x YOWZA x O-STYLE

+1202 +7102

Milk (lbs)

IDI*

29H018391

BRUTE

MONTROSS x ALTAEMBASSY x ROBUST

+2130 +5883

Milk (lbs)

IDI

29H018399

HOTSTAR

BOASTFUL x BALISTO x O-STYLE

+1081 +6425

Milk (lbs)

IDI

29H018388

BEAST

JOSUPER x FREDDIE x PLANET

+1725 +6533

Milk (lbs)

IDI

CDCB 12/17 *Indian Dairy Index



1938 Bovine artificial insemination begins using fresh, quickly delivered semen. Small planes air-dropped parachutes of semen to a marker on the ground where the technician was waiting.

1941 Rock Prentice of Barrington, Illinois forms the American Dairy Guernsey Associates (ADGA) of Northern Illinois, the precursor to today's ABS Global. Three Guernsey sires form the core of an organization that would become the first privately owned bull stud in the USA.

1945 Holstein sires, the most popular dairy breed sold globally today, join the ABS lineup and quickly make a name for themselves.

1945 ADGA of Northern Illinois changes its name to the American Scientific Breeding Institute to reflect a greater number of Holsteins than Guernseys.

1946 The UK Ministry of Agriculture builds a stud in Ruthin, England, which would become another ABS facility.

1954 Our research team adapts photographic equipment to track live sperm cells from each semen collection post-thaw, a process that would remain secret until published 19 years later in 1973.

1956 Dr. Basile Luyet joins the organization. This Catholic priest and prominent cryobiologist perfects a process for freezing and storing semen.

1956 Our researchers collaborate with the Linde Corporation to introduce the industry's first container for transporting frozen semen using liquid nitrogen. Funded by the organization at a cost of \$770,000, the container establishes us as the first organization in the USA to rely 100% on liquid nitrogen-refrigerated frozen semen, with Peru becoming the first country to receive frozen semen outside of the USA.

1965 DeForest, Wisconsin, USA becomes ABS headquarters.

1967 In his later years, Rock Prentice considers several buyers for the company, eventually choosing W.R. Grace & Company.

1968 ABS introduces the first computerized mating program, initially called Genetic Mating Service (GMS), which has made 78 million matings since its inception.

1971 ABS opens for business in France.

1972 St. Jacobs Animal Breeding Corporation builds a bull housing facility, which would later become affiliated with ABS, in Elmira, Ontario, Canada.

1938

1953 1956

1960

1968

1975

1980

1947 A new year brings a new breed, as Jersey sires join the company lineup.

1947 We move from Illinois to Madison and change our name to Wisconsin Scientific Breeding Institute (WSBI).

1948 Rock Prentice, together with Dr. E.L. Willet, establishes the American Foundation of the Study of Genetics, which would create the first embryo transfer calf a few years later using a now-familiar process known today as In-Vitro Fertilization (IVF).

1950 The company breaks into the beef market when it adds Angus sires to the lineup.

1953 The first semen ampule to hold frozen semen is created. Made of glass, the ampule holds 1.2 cc of semen.

1953 The world meets "Frosty", a healthy heifer and the first North American calf born from frozen semen artificial insemination. Thirty years later, history would be made again when the same semen successfully conceives another AI calf. This spoke to the limitless shelf life of frozen semen.

1956 Thanks to our new transport container, drivers can now deliver frozen semen via the first truck route in the Midwest.

1958 Our name is officially changed to American Breeders Service (ABS).

1960 ABS creates linear genetic evaluation systems that would later be adopted by the U.S. Holstein Association.

1960 Rock Prentice plans a young sire program to progeny test sires in a truly random fashion. He has trouble finding accurate, accessible production records. The Department of Agriculture in Beltsville, Maryland has the records, but they lack funding to move forward. Thanks to a generous donation from Rock Prentice, daughter records by bull and breed are published in the first AI sire summary.

1963 ABS geneticist, Dr. Robert E. Walton, introduces the Estimated Daughter Superiority (EDS) measurement. EDS determines the value of bulls old enough to have milking daughters, which lays the foundation for the genetics evaluations used everywhere today. Dr. Walton would go on to become president of ABS.

1975 Volume 1, No. 1 of the Genetic Trait Summary (GTS) is published in the USA. This first-of-its-kind dataset would become a valuable asset for mating cows with the GMS program.

1978 ABS invents and introduces a monitor ampule placed with stored semen, improving quality control by ensuring semen is stored at the proper temperature.

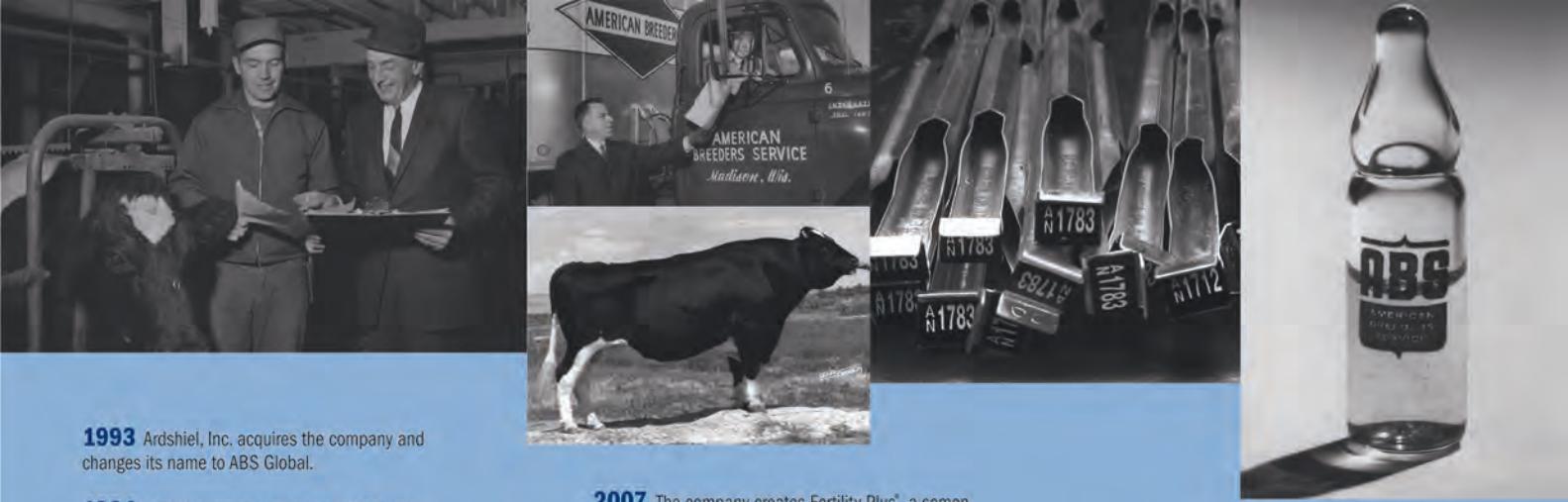
1980 Our patented, proprietary wind tunnel semen freezing system freezes straws in the same package the customer receives.

1980 Our Reproductive Management System (RMS) manages herd reproduction by providing heat detection, artificial insemination breeding, synchronization and data management services from professional technicians.

1982 Glass ampules are converted to a clear 0.5 cc straw and ABS would begin offering 0.5 cc and 0.25 cc straws globally.

ABS

75 Years of Genetic Progress



1993 Ardshiel, Inc. acquires the company and changes its name to ABS Global.

1994 ABS Global opens a branch in Mexico.

1996 Our partnership with Circle A Ranch and the Angus Sire Alliance makes ABS Global the exclusive marketing agent for the most profitable beef bulls.

1996 ABS Global enters into a joint venture with Incorporated Peclan Bradesco, a Brazilian company that imports and distributes insemination products, adopting their stud as our own. The joint venture becomes known as ABS Peclan.

1997 ABS Global announces the arrival of "Gene", the world's first cloned bovine calf. Even though Gene is in the womb at the same time as Dolly the Sheep, the world's first cloned animal, Dolly is born first due to the shorter gestation period for sheep.

1998 ABS Global introduces Valiant®, a line of teat dip named after the influential ABS sire.

2007 The company creates Fertility Plus®, a semen fertility product that increases conception rate.

2007 ABS Global purchases land in Dekorra, Wisconsin, USA, located just north of DeForest, where it builds a second headquarters facility with European-approved collection barns, isolation barn, and processing lab, as well as a state-of-the-art observation deck, arrival facilities, the Vern Meier Historical Barn and a number of other ongoing projects.

2008 ABS Global begins genomic testing, analyzing DNA to estimate future performance more reliably and at an earlier age. Today, all sires that come into the ABS program are genomic-tested.

2009 ABS Global makes history with the only stud to have nine "millionaire" sires, each of which has produced and sold more than one million units of semen.

2011 Collections start in the Whenby, England facility.

2015 ABS Global develops TransitionRight™, a genetic solution to help prevent the multiple, post-calving metabolic disorders (Mastitis, Metritis, Ketosis) that can occur during transition, the most crucial period in a cow's life.

2015 ABS Global acquires In-Vitro Brazil (IVB), the world leader in commercial bovine In-Vitro Fertilization (IVF).

2015 GPLAN, a mating program for Girolando bulls, is released in Brazil.

2015 Y SYNC, an app that facilitates heat cycle synchronization in herds is launched in Brazil. The software is also used to monitor and collect information for the Fixed Time AI (FTAI) Beef Program.

1997

2006

2009

2012

2015

2016

2017

1999 Genus plc, a publicly traded company based out of the UK, purchases ABS Global.

2000 Powerstart™ silage additive enters the UK market, finding tremendous success.

2002 Genus plc buys ABS Australia followed a few years later by the purchase of Riverina Artificial Breeders (RAB), the second largest semen production and progeny testing center in Australia.

2005 Genus plc purchases PIC, the largest porcine genetics company in the world. PIC is short for Pig Improvement Company.

2005 The power of three is a success when ABS China, ABS Argentina, and ABS Russia are founded.

2005 Computer Assisted Sperm Analysis (CASA) replaces the photographic tracking process for post-thaw semen checks.

2006 ABS Global introduces the ABS Sexation product line globally after a successful introduction in Brazil.

2006 ABS Global begins business in Germany.

2011 As part of the new Dairy InFocus™ program, cows with a lower genetic ranking are bred to beef and the resulting calves are sold at a premium while top-performing cows are used to create dairy replacement heifers. Today, InFocus is recognized as the leading source for premium dairy beef feeder cattle.

ABS India is founded.

2012 ABS Global becomes the first company to use a proprietary database. Real World Data® (RWD) contains millions of cow records from herds around the world.

2012 Using RWD, the company launches Sire Fertility, an index to measure a sire's semen fertility.

2012 Using Grow Safe technology, a partnership between ABS Peclan and Rancho da Matinha creates IR \$ M, an economic feed efficiency index for Nelore cattle.

2012 ABS Peclan achieves success with its introduction of ABS Monitor software for monitoring dairy herds.

2014 The Global Production System (GPS) computerizes the entire production process. From collection through processing and storage, bar codes are used to track the semen of studs around the world.

2014 Our Net Profit Genetics™ program helps create more efficient, low-maintenance and sustainable herds.

2015 ABS Global launches ABS NEO, an embryo program powered by exclusive IVB Transfer™ technology.

2015 The Ruthin Gallery, a viewing room, meeting room and education center opens in the UK.

2015 ABS Global produces the first commercial units from our proprietary genomic bulls, each of which is born from our elite female nucleus herd.

2016 ABS India inaugurates its new State-of-the-art Dairy genetics facility - BRAHMA

2016 ABS Global acquires St. Jacobs ABC, an elite dairy genetics supplier that has been providing ABS with prestigious genetics since 1990.

2016 The company celebrates 75 exciting years of genetic progress.

2017 ABS Global launches Sexcel™ Sexed Genetics. ABS India imports live Holstein bulls from USA.

Sexcel
Sexed Genetics

ABS
75 years
of GENETIC PROGRESS



ABS GLOBAL

Headquartered in DeForest, Wisconsin, U.S.A., **ABS Global**, Inc. is the world-leading provider of genetic improvement solutions and reproduction services that help customers **PROFIT FROM GENETIC PROGRESS**. Marketing in nearly 80 countries around the globe, ABS has been at the forefront of animal genetics and technologies since its founding 75 years ago. **ABS Global** is a division of Genus plc.

Our strength in this ever-changing market comes with over 75 years of service to dairy producers around the world. And while we recognize no single formula can solve the genetic needs of every operation in the world, we are focused on the single goal of helping our customers succeed. As a result, **ABS** offers a varied line of superior genetics-with unique services, technology and products-to meet the demands of the many climates, market variations and preferences of the cultures we serve.

Along with these quality tools, are quality people who understand the value and need of the service they provide. Wherever you find **ABS**, you'll find people committed to the success of the customers we serve-striving to provide protein and energy to more of the world's people.

GLOBAL FACILITIES

North America	USA, Canada
South America	Brazil
Europe	UK, Italy
Asia	India
Australia	Australia

MANY FIRST from ABS GLOBAL

1953	ABS produced first calf using frozen semen in North America - "FROSTY"
1956	ABS developed the first cryogenic insulated vessel with Union Carbide
1960	ABS launched first comprehensive system of genetic linear assessment for Type
1968	ABS launched GMS - First Comprehensive program designed to optimize genetic progress
1988	ABS became the first company to successfully clone bulls out of embryo splitting
1997	ABS produced first cloned calf out of a somatic cell, named "GENE"
2008	Incorporated genomic values in its sire acquisition program
2013	18 of ABS bulls cross One Million Mark...
2015	ABS Global develops TransitionRight™, a genetic solution to help prevent the multiple, post-calving metabolic disorders.
	ABS Global acquires In-Vitro Brazil (IVB), the world leader in commercial bovine In-Vitro Fertilization (IVF).
2016	The company celebrates 75 exciting years of genetic progress.
2017	ABS Global launches Sexcel™ Sexed Genetics.



ABS INDIA

Genus Breeding India (**ABS India**) is part of Genus PLC- the world's leading provider of bovine genetics and reproduction services, marketing in nearly 80 countries around the globe. Genus Breeding India Pvt. Ltd. is a fully owned subsidiary of Genus PLC (listed on the UK stock exchange) and was established in early 2010-11. Through Genus' extensive research and development programme, its cutting edge technology is being used to maximise the potential of dairy farms throughout the world.

Genus Breeding India (**ABS India**) is part of ABS Global, a division of Genus plc. Worldwide Genus PLC is the owner of ABS and PIC, the two largest companies in bovine and porcine genetics respectively. Genus PLC also owns Promar International, the leading livestock consulting company in the world.

Genus Breeding India (**ABS India**) has also entered into a Production JV with Chitale Dairy situated in Maharashtra for production of semen from the selected elite bulls in India through Chitale Genus ABS (India) Pvt. Ltd. **ABS India** adopts its international standard for selection of bulls for semen production with regards to genetics and health standards. ABS India has also started producing and marketing semen produced out of the live bulls imported from U.S.A. for the first time in the country. **ABS India** has a robust ET programme for semen production from bulls born through embryos imported from North America and genotypically testing them.

In 2017, **ABS India** deployed Genus IntelliGen™ Technology, in India and started first bovine semen sexing lab in the country at its Brahma Genetics Facility, Chitale Genus ABS India Private Limited, near Pune in Maharashtra.

With IntelliGen™, we are providing sexed genetics for breeds like Holstein, Jerseys & indigenous breeds like Sahiwal, Red Sindhi Gir, along with crossbreeds and buffaloes (Murrah and Mehsana) for the first time. We are offering 21st Century technology which leads to more good quality heifers, higher profits, and therefore, a better and improved way of life for farmers.

The recently launched Genus IntelliGen™ Technology process to develop sexed bovine genetics does not subject cells to the high pressures, electric currents and shear forces. The result is a product that helps customers maximize their profitability and reach their end goals in a fast and efficient manner.



INDIA PRODUCTION FACILITY

Maharashtra (Near Pune)

DISTRIBUTION CENTERS

Punjab, Haryana, Uttar Pradesh,
Rajasthan, Bihar, Gujarat, Maharashtra,
Tamil Nadu, Andhra Pradesh, Chhattisgarh,
Karnataka, West Bengal

For more information on Genus IntelliGen Technologies, please visit www.genusplc.com. To learn more about Sexcel sexed genetics visit www.abssexcel.com

STRYKER

IMPORTED
FERTILE



Sexcel A2

29HO18390
Born: 05/06/2015
Bred by: Genus ABS Global, USA

Pedigree: ROASTFUL X YONDA X O-STYLE

NMS: +691 TPI: +2509

Sire: ROASTFUL

EF: 7.6%

DAM: COASTAL-MEN YONDA 172-HET

+7102

MGR: YONDA

71,020

Impure Dairy Index:

★★★★★

Eff. Milk (L)

Real World Data™ Translationalight™:

CDCB 12/17:

PRODUCTION

Milk	+1202 lbs	78% Rel
Protein	+60 lbs	+0.05
Fat	+61 lbs	+0.05

HEALTH & FERTILITY

Productivity Life	+58	73% Rel
Daughter Pregnancy Rate	+16	71% Rel
Somatic Cell Score	2.61	75% Rel

CALVING TRAITS

Sire Calving Ease	68%	62% Rel
Daughter Calving Ease	42%	58% Rel
Sire Stillbirths	7.1%	58% Rel
Daughter Stillbirths	38%	58% Rel

CONFORMATION

	8 Dms	8 Weeks	Rel. 77%
Type	1.67		
udder conformation	1.39		
front & legs conformation	0.89		
hind legs conformation	1.39		
structure	2.20 Rel.		
strength	1.35 Strong		
body depth	0.85 Deep		
angulation	0.63 Open		
hind limb angle	-0.11 High Hips		
front limb width	0.79 Wide		
rear legs-side view	0.31 Curved		
rear legs-rear view	0.88 Bright		
foot angle	1.94 Steep		
front legs posture	1.26 High		
fore udder attachment	2.23 Weak		
hind udder height	1.82 High		
hind udder width	1.67 Wide		
udder depth	0.95 Shallow		
udder depth	2.29 Shallow		
front udder placement	0.53 Low		
hind udder placement	0.43 Close		
tail length	0.28 Long		

STURDY

IMPORTED
FERTILE



Photo: Beth Hengs

29HO18396
Born: 05/05/2015
Bred by: Genus ABS Global, USA

Pedigree: ALIASPRING X TAMBO X SHAMROCK

NMS: +714 TPI: +2491

Sire: ALIASPRING

EF: 7.3%

DAM: RICHMOND-FD TAMBO JULY-EF

+695

MGR: TAMBO

69,946

Impure Dairy Index:

★★★★★

Eff. Milk (L)

Real World Data™ Translationalight™:

CDCB 12/17:

PRODUCTION

Milk	+1074 lbs	79% Rel
Protein	+97 lbs	+0.01
Fat	+64 lbs	+0.09

HEALTH & FERTILITY

Productivity Life	+69	74% Rel
Daughter Pregnancy Rate	+25	73% Rel
Somatic Cell Score	2.85	77% Rel

CALVING TRAITS

Sire Calving Ease	7.1%	62% Rel
Daughter Calving Ease	36%	60% Rel
Sire Stillbirths	6%	59% Rel
Daughter Stillbirths	32%	58% Rel

CONFORMATION

	8 Dms	8 Weeks	Rel. 77%
Type	1.17		
udder conformation	1.66		
front & legs conformation	1.02		
hind legs conformation	-0.76		
structure	-0.18 Short		
strength	-0.35 Frail		
body depth	-0.35 Shallow		
angulation	1.05 Open		
hump angle	0.28 Sloped		
front limb width	0.35 Wide		
rear legs-side view	-0.98 Straight		
rear legs-rear view	1.22 Straight		
foot angle	0.64 Steep		
front & legs score	0.81 High		
fore udder attachment	1.68 Strong		
hind udder height	2.16 High		
hind udder width	1.99 Wide		
udder depth	1.22 Deep		
udder depth	0.98 Shallow		
front udder placement	1.74 Close		
hind udder placement	1.60 Close		
tail length	-1.98 Short		

HULK

IMPORTED
PRIMETIME



Photo: Patty Jones



Sexcel

29HO18398

Born: 08/07/2015

Bred by: Genus ABS Global, USA

Pedigree: MAIN EVENT x ALTAEMBASSY x ROBUST

Sire: MAIN EVENT

NM\$: +611 TPI®: +2415

DAM: COMPASS-TRT AMRC AE J925-ET

EPI: 7.9%

MGS: ALTAEMBASSY

+6740

Indian Dairy Index

67,402

IDI Merit (₹)

67,402

Real World Data® TransitionRight™:

★★★★★



CDCB 12/17

PRODUCTION

Milk	+1193 lbs	79% Rel
Protein	+38 lbs	+0.01
Fat	+39 lbs	-0.02

HEALTH & FERTILITY

Productivity Life	+6.7	74% Rel
Daughter Pregnancy Rate	+1.8	60% Rel
Somatic Cell Score	2.89	77% Rel

CALVING TRAITS

Sire Calving Ease	7.5%	62% Rel
Daughter Calving Ease	6.1%	60% Rel
Sire Stillbirths	8.2%	59% Rel
Daughter Stillbirths	5.8%	58% Rel

CONFORMATION

	0 Dtrs			0 Herds	
	-2	-1	0	+1	+2
Type	1.55				
Udder Composite	1.99				
Feet & Legs Composite	1.43				
Body Composite	-0.39				
Statue	0.18	Tall			
Strength	-0.04	Frail			
Body Depth	-0.27	Shallow			
Angularity	0.93	Open			
Rump Angle	-0.56	High Pins			
Thurl Width	0.33	Wide			
Rear Legs-Side View	-1.04	Straight			
Rear Legs-Rear View	1.30	Straight			
Foot Angle	1.53	Steep			
Feet & Legs Score	1.31	High			
Fore Udder Attachment	1.91	Strong			
Rear Udder Height	2.82	High			
Rear Udder Width	2.59	Wide			
Udder Cleft	0.95	Strong			
Udder Depth	1.35	Shallow			
Front Teat Placement	0.41	Close			
Rear Teat Placement	0.74	Close			
Teat Length	-1.16	Short			

BEAST

IMPORTED
PRIMETIME



Photo: Beth Hergs



Sexcel A2

29HO18388

Born: 01/08/2015

Bred by: Genus ABS Global, USA

Pedigree: JOSUPER x FREDDIE x PLANET

Sire: JOSUPER

NM\$: +669 TPI®: +2403

DAM: ROCKYMOUNTAIN FREDDIE RASCAL-ET

EPI: 7.7%

MGS: FREDDIE

+6533

Indian Dairy Index

65,325

IDI Merit (₹)

65,325

Real World Data® TransitionRight™:

★★★★★



CDCB 12/17

PRODUCTION

Milk	+1725 lbs	78% Rel
Protein	+54 lbs	+0.00
Fat	+52 lbs	-0.04

HEALTH & FERTILITY

Productivity Life	+7.2	74% Rel
Daughter Pregnancy Rate	+1.9	74% Rel
Somatic Cell Score	2.81	77% Rel

CALVING TRAITS

Sire Calving Ease	7.2%	61% Rel
Daughter Calving Ease	5.9%	59% Rel
Sire Stillbirths	6.9%	58% Rel
Daughter Stillbirths	6.0%	58% Rel

CONFORMATION

	0 Dtrs			0 Herds	
	-2	-1	0	+1	+2
Type	0.75				
Udder Composite	0.77				
Feet & Legs Composite	0.33				
Body Composite	0.36				
Statue	0.02	Tall			
Strength	0.32	Strong			
Body Depth	-0.46	Shallow			
Angularity	-0.48	Tight			
Rump Angle	-0.61	High Pins			
Thurl Width	-0.37	Narrow			
Rear Legs-Side View	0.13	Curved			
Rear Legs-Rear View	0.26	Straight			
Foot Angle	0.22	Steep			
Feet & Legs Score	0.30	High			
Fore Udder Attachment	0.81	Strong			
Rear Udder Height	1.41	High			
Rear Udder Width	1.30	Wide			
Udder Cleft	-0.30	Weak			
Udder Depth	0.44	Shallow			
Front Teat Placement	-0.58	Wide			
Rear Teat Placement	-0.73	Wide			
Teat Length	-0.24	Short			

HOTSTAR

IMPORTED
FERTILITY



Photo: Beth Hergs

Saxcel A2 M



Pedigree: BOASTFUL X BULISTO X O-STILE

Sire: BOASTFUL

NMS: +732 TPI: +2585

DAM: BACON-HILL BULISTO MOLLY-ET

EFI: 7.7%

MGS: BULISTO

+8425

6425

Breeder Dairy Index:

ED Milk: 7.7

ED Milk: 64.25

World Wide Data™ Testaverse Rating:

★★★★★

CICB: 2/17

PRODUCTION

	+1051 lbs	7.86 Rel
Milk	+1051 lbs	7.86 Rel
Protein	+63 lbs	+0.07
Fat	+71 lbs	+0.11

HEALTH & FERTILITY

	+7.0	7.86 Rel
Productivity Life	+7.0	7.86 Rel
Daughter Pregnancy Rate	+1.4	7.86 Rel
Somatic Cell Score	2.78	7.86 Rel

CALVING TRAITS

	5.34	62.8 Rel
Sire Calving Ease	5.34	62.8 Rel
Daughter Calving Ease	2.7%	59.6 Rel
Sire Stillbirths	6.9%	59.6 Rel
Daughter Stillbirths	3.7%	57.6 Rel

CONFORMATION

	0.95%	0 Month	7.78%
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Type	1.90		
udder conformation	1.13		
foot & leg conformation	1.30		
body conformation	0.21		
stature	0.97 Tall		
strength	0.77 Strong		
body depth	0.81 Deep		
angularity	1.54 Open		
hump angle	-2.12 High Pins		
thigh width	0.70 Wide		
rear legs-side view	0.74 Curved		
rear legs-rear view	1.11 Straight		
hind udder	1.22 Steep		
foot & leg score	1.42 High		
rear udder attachment	1.57 Strong		
rear udder height	2.16 High		
rear udder width	1.99 Wide		
udder crest	0.14 Strong		
udder depth	0.73 Shallow		
hind foot placement	-0.39 Wide		
hind foot placement	-0.52 Wide		
tail length	1.22 Long		

MAGIC

IMPORTED
FERTILITY



Photo: Beth Hergs

Saxcel A2 M



Pedigree: BOASTFUL X VOMZL X O-STILE

Sire: BOASTFUL

NMS: +543 TPI: +2349

DAM: COASTAL-VIEWVOMZL 172-ET

EFI: 7.6%

MGS: VOMZL

+808

6003

Breeder Dairy Index:

ED Milk: 7.7

ED Milk: 60.03

World Wide Data™ Testaverse Rating:

★★★★★

CICB: 2/17

PRODUCTION

	+482 lbs	7.86 Rel
Milk	+482 lbs	7.86 Rel
Protein	+45 lbs	+0.07
Fat	+40 lbs	+0.04

HEALTH & FERTILITY

	+6.1	7.86 Rel
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Productivity Life	+6.1	7.86 Rel
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Daughter Pregnancy Rate	+2.5	7.86 Rel
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Somatic Cell Score	2.71	7.86 Rel
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CALVING TRAITS

Sire Calving Ease	6.9%	62.8 Rel
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Daughter Calving Ease	4.9%	59.6 Rel
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Sire Stillbirths	7.4%	59.6 Rel
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Daughter Stillbirths	5.2%	59.6 Rel
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CONFORMATION

	0.95%	0 Month	7.78%
--	-------	---------	-------

Type	1.39		
udder conformation	1.90		
foot & leg conformation	0.59		
body conformation	1.19		
stature	1.28 Tall		
strength	0.98 Strong		
body depth	0.34 Deep		
angularity	-0.11 Tight		
hump angle	-0.14 High Pins		
thigh width	0.89 Wide		
rear legs-side view	0.47 Curved		
rear legs-rear view	0.57 Straight		
hind udder	1.44 Steep		
foot & leg score	0.75 High		
rear udder attachment	2.69 Strong		
rear udder height	2.27 High		
rear udder width	2.08 Wide		
udder crest	0.65 Strong		
udder depth	2.47 Shallow		
hind foot placement	-0.10 Wide		
hind foot placement	-0.22 Wide		
tail length	0.69 Long		

BRUTE

IMPORTED FRESH



Photo: Cybil Fisher

29HO18391
Born: 09/08/2015
Bred by: Genus ABS Global, USA

Sexcel A2

Pedigree: MONTROSS x ALTAEMBASSY x ROBUST
Sire: MONTROSS NMS: +788 TPI^A: +2627
Dame: COMPASS-TRT AMPC XE J825-ET EPI: 7.6%
MGS: ALTAEMBASSY

Index Dairy Index: +8888
BW Birth (F) 58.825
WW World Data "Typical Abnormal" ★★★★

COCB 12/17			
PRODUCTION			
Milk	+2120 lbs	79% Rel	
Protein	+68 lbs	+001	
Fat	+69 lbs	+004	
HEALTH & FERTILITY			
Productivity Life	+57	75% Rel	
Daughter Pregnancy Rate	+0.8	75% Rel	
Somatic Cell Score	3.04	77% Rel	
CALVING TRAITS			
Sire Calving Ease	82%	62% Rel	
Daughter Calving Ease	57%	60% Rel	
Sire Stillbirths	7.6%	59% Rel	
Daughter Stillbirths	7.0%	58% Rel	
CONFORMATION			
	8 Dams	8 Births	REL 79%
Dam	1.92		
Mother Conformation	2.06		
Front & Legs Conformation	0.97		
Body Conformation	-0.18		
Stature	0.63 Tall		
General	0.63 Strong		
Body Depth	0.62 Deep		
Angulation	1.96 Open		
Hump Angle	0.44 Sloped		
Thigh Width	0.68 Wide		
Rear Legs-Side View	-0.65 Straight		
Rear Legs-Front View	1.09 Straight		
Front Legs	1.05 Steep		
Front & Legs Score	0.98 High		
Front Udder Attachment	1.70 Strong		
Rear Udder Height	3.55 High		
Rear Udder Width	3.21 Wide		
Udder Cull	0.82 Strong		
Udder Depth	0.55 Shallow		
Front Test Placement	0.06 Close		
Rear Test Placement	0.36 Close		
Total Length	-0.02 Short		

DUSTER

IMPORTED FRESH



Photo: Billy Heath

29HO18392
Born: 04/08/2015
Bred by: Genus ABS Global, USA

Sexcel A2

Pedigree: DONATELLO x FREDDIE x PLANET
Sire: DONATELLO NMS: +573 TPI^A: +2292
Dame: ROCKYMOUNTAIN FREDDIE RASCAL-ET EPI: 7.6%
MGS: FREDDIE

Index Dairy Index: +8836
BW Birth (F) 58.257
WW World Data "Typical Abnormal" ★★★★

COCB 12/17			
PRODUCTION			
Milk	+1056 lbs	78% Rel	
Protein	+99 lbs	+002	
Fat	+41 lbs	+001	
HEALTH & FERTILITY			
Productivity Life	+51	75% Rel	
Daughter Pregnancy Rate	+2.3	74% Rel	
Somatic Cell Score	2.98	77% Rel	
CALVING TRAITS			
Sire Calving Ease	56%	62% Rel	
Daughter Calving Ease	46%	60% Rel	
Sire Stillbirths	7.5%	58% Rel	
Daughter Stillbirths	52%	58% Rel	
CONFORMATION			
	8 Dams	8 Births	REL 77%
Dam	0.13		
Mother Conformation	0.68		
Front & Legs Conformation	0.39		
Body Conformation	-1.05		
Stature	-0.40 Short		
Strength	-1.02 Frail		
Body Depth	-1.11 Shallow		
Angulation	0.02 Open		
Hump Angle	1.05 Sloped		
Thigh Width	-0.73 Narrow		
Rear Legs-Side View	0.11 Curved		
Rear Legs-Front View	0.38 Straight		
Front Angle	-0.23 Low		
Front & Legs Score	0.29 High		
Front Udder Attachment	0.47 Strong		
Rear Udder Height	0.55 High		
Rear Udder Width	0.51 Wide		
Udder Cull	0.79 Strong		
Udder Depth	0.67 Shallow		
Front Test Placement	1.32 Close		
Rear Test Placement	1.14 Close		
Total Length	-1.04 Short		

TORNADO

IMPORTED
FERTILITY



Photo: Lea McCullough

Sexcel A2



Pedigree: ALTA SPRING X FREDDIE X PLANET

Site: ALTA SPRING NMB: +637 TPI^A: +2420

Date: ROCKY MOUNTAIN FREDDIE RASCAL ET EFL 7.4%

MGS: FREDDIE

Initial Dairy Index:

+5414

WMI (E.C.) 54,136

Real World Data *Translating Index %:

★★★

COCB 12/17

PRODUCTION

Milk	+1263 lbs	79% Rel
Protein	+51 lbs	+005
Fat	+62 lbs	+005

HEALTH & FERTILITY

Productivity Life	+53	74% Rel
Daughter Pregnancy Rate	+24	72% Rel
Somatic Cell Score	3.7	76% Rel

CALVING TRAITS

Sire Calving Ease	9.1%	62% Rel
Daughter Calving Ease	4.4%	59% Rel
Sire Stillbirths	7.5%	58% Rel
Daughter Stillbirths	5.5%	58% Rel

CONFORMATION

	# Dams	# Herds	Rel %
Type	0.95		
Color/Coatmark	1.33		
Front & Legs Alignment	0.77		
Body Depth	-0.49		
Stature	0.26 Tall		
Stanchion	-0.05 Front		
Body Depth	-0.21 Shallow		
Angulation	1.08 Open		
Rump Angle	-0.51 High Pins		
Thigh Width	0.14 Wide		
Rear Legs-Skin View	-0.35 Straight		
Rear Legs-Fur View	1.01 Straight		
Foot Angle	0.71 Steep		
Front Legs-Skin	0.66 High		
Front-Leg Attachment	1.28 Strong		
Rear Under Height	2.16 High		
Rear Under Width	1.99 Wide		
Udder Cull	0.35 Strong		
Udder Depth	0.48 Shallow		
Front Test Placement	0.66 Close		
Front Test Placement	0.60 Close		
Teat Length	-0.66 Short		

STUNNER

IMPORTED
FERTILITY



Photo: Ollie Fisher

A2



Pedigree: POWERBALL-P X BALISTO X O-STYLE

Site: POWERBALL-P NMB: +67.1 TPI^A: +2540

Date: BACON-HILL BALISTO MOLLI-E ET

EFL 7.3%

MGS: BALISTO

Initial Dairy Index:

+6280

WMI (E.C.) 52,795

Real World Data *Translating Index %:

★★★

COCB 12/17

PRODUCTION

Milk	+1289 lbs	79% Rel
Protein	+60 lbs	+008
Fat	+59 lbs	+004

HEALTH & FERTILITY

Productivity Life	+42	74% Rel
Daughter Pregnancy Rate	+20	72% Rel
Somatic Cell Score	3.0	77% Rel

CALVING TRAITS

Sire Calving Ease	5.6%	62% Rel
Daughter Calving Ease	4.3%	60% Rel
Sire Stillbirths	7.8%	58% Rel
Daughter Stillbirths	5.7%	58% Rel

CONFORMATION

	# Dams	# Herds	Rel %
Type	2.18		
Color/Coatmark	1.69		
Front & Legs Alignment	1.13		
Body Depth	-0.95		
Stature	1.03 Tall		
Stanchion	-0.01 Front		
Body Depth	0.45 Deep		
Angulation	2.68 Open		
Rump Angle	-1.38 High Pins		
Thigh Width	0.79 Wide		
Rear Legs-Skin View	1.97 Curved		
Rear Legs-Fur View	0.90 Straight		
Foot Angle	0.53 Steep		
Front Legs-Skin	1.41 High		
Front-Leg Attachment	1.99 Strong		
Rear Under Height	2.71 High		
Rear Under Width	2.49 Wide		
Udder Cull	0.34 Strong		
Udder Depth	0.92 Shallow		
Front Test Placement	1.54 Close		
Front Test Placement	0.77 Close		
Teat Length	0.26 Long		

PIPER

IMPORTED
PRIMETIME



Photo: Beth Hergs

Sexel A2



EVEREST

IMPORTED
PRIMETIME



Photo: Beth Hergs

A2

29HO18397
Born: 20/08/2015
Bred by: Genus ABS Global, USA

29HO18397
Born: 16/08/2015
Bred by: Genus ABS Global, USA

Pedigree: POWERBALL-P x MASSEY x BOOKEM

Sire: POWERBALL-P NM\$: +545 TPI®: +2401
DAM: AMMON-PEACHY MSY MIFF-ET EPI: 7.4%

MGS: MASSEY



India Dairy Index

+5266

IDI Merit (₹)

52,662

Real World Data™ TransitionRight™:



CDCB 12/17

PRODUCTION

Milk	+1056 lbs	79% Rel
Protein	+52 lbs	+0.07
Fat	+52 lbs	+0.05

HEALTH & FERTILITY

Productivity Life	+2.6	74% Rel
Daughter Pregnancy Rate	+2.5	73% Rel
Somatic Cell Score	2.79	77% Rel

CALVING TRAITS

Sire Calving Ease	6.3%	62% Rel
Daughter Calving Ease	4.2%	60% Rel
Sire Stillbirths	7.8%	59% Rel
Daughter Stillbirths	5.6%	58% Rel

CONFORMATION

	0 Dtrs			Rel. 75%	
	-2	-1	0	+1	+2
Type	1.40				
Udder Composite	1.09				
Feet & Legs Composite	0.37				
Body Composite	0.01				
Stature	1.42	Tall			
Strength	0.21	Strong			
Body Depth	0.19	Deep			
Angularity	1.39	Open			
Rump Angle	1.41	Sloped			
Thru Width	1.03	Wide			
Rear Legs-Side View	0.84	Curved			
Rear Legs-Rear View	0.28	Straight			
Foot Angle	0.12	Steep			
Feet & Legs Score	0.76	High			
Fore Udder Attachment	0.88	Strong			
Rear Udder Height	2.18	High			
Rear Udder Width	2.01	Wide			
Udder Cleft	0.49	Strong			
Udder Depth	0.69	Shallow			
Front Teat Placement	0.63	Close			
Rear Teat Placement	0.84	Close			
Teat Length	0.38	Long			

Pedigree: ALTASPRING x ALTAEMBASSY x ROBUST

Sire: ALTASPRING NM\$: +598 TPI®: +2435
DAM: COMPASS-TRT AMRC AE J025-ET EPI: 7.7%

MGS: ALTAEMBASSY



India Dairy Index

+5213

IDI Merit (₹)

52,126

Real World Data™ TransitionRight™:



CDCB 12/17

PRODUCTION

Milk	+924 lbs	79% Rel
Protein	+42 lbs	+0.05
Fat	+69 lbs	+0.13

HEALTH & FERTILITY

Productivity Life	+3.9	74% Rel
Daughter Pregnancy Rate	+0.7	73% Rel
Somatic Cell Score	2.86	77% Rel

CALVING TRAITS

Sire Calving Ease	7.7%	62% Rel
Daughter Calving Ease	4.8%	59% Rel
Sire Stillbirths	8.0%	58% Rel
Daughter Stillbirths	5.3%	58% Rel

CONFORMATION

	0 Dtrs			Rel. 75%	
	-2	-1	0	+1	+2
Type	1.70				
Udder Composite	2.16				
Feet & Legs Composite	1.12				
Body Composite	0.78				
Stature	1.11	Tall			
Strength	1.00	Strong			
Body Depth	0.57	Deep			
Angularity	1.02	Open			
Rump Angle	-1.33	High Pins			
Thru Width	1.40	Wide			
Rear Legs-Side View	-0.94	Straight			
Rear Legs-Rear View	1.50	Straight			
Foot Angle	1.52	Steep			
Feet & Legs Score	1.11	High			
Fore Udder Attachment	2.11	Strong			
Rear Udder Height	3.08	High			
Rear Udder Width	2.83	Wide			
Udder Cleft	1.39	Strong			
Udder Depth	1.78	Shallow			
Front Teat Placement	0.53	Close			
Rear Teat Placement	0.72	Close			
Teat Length	0.04	Long			

PROFIT



Photo: Patty Jones

29HO18324
Born: 16/11/2015
Bred by: Comestar Holsteins Canada

Pedigree: BRAWLER x PLANET x RAMOS	Site: GBN-1-BEQ-BRAWLER	EPI: 7.4%
DAM: ROCKYMOUNTAIN PLANET RUMA-ET	MGS: ENSIMADA PLANET ET TVTLTV FF	
DAIRY DAILY INDEX	+3464	3464
ED4 Milk (T)	94,689	
ED4 "World Data" Trend/Breeding**:	★★★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg)	Value (%)
Milk	12,505 kg	
Protein	384 kg	3.07%
Fat	470 kg	3.76%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+2.8	
Daughter Pregnancy Rate	+1.1	
Somatic Cell Score	2.93	
CALVING TRAITS		
Service Site Calving Ease	8.6%	
Daughter Calving Ease	6.2%	
Service Site Stillbirths	7.6%	
Daughter Stillbirths	5.8%	

CHAMPION



Photo: James

29HO17679
Born: 04/09/2016

Pedigree: PENNYMAKER	Site: WELCOME PENNYMAKER-ET	EPI: NA
DAM: 020		
MGS: JACOB		
DAIRY DAILY INDEX	+3116	3116
ED4 Milk (T)	21,155	
ED4 "World Data" Trend/Breeding**:	★★★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg)	Value (%)
Milk	11,935 kg	
Protein	369 kg	3.09%
Fat	455 kg	3.61%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+3.2	
Daughter Pregnancy Rate	+4.0	
Somatic Cell Score	2.86	
CALVING TRAITS		
Service Site Calving Ease	7.4%	
Daughter Calving Ease	7.7%	
Service Site Stillbirths	NA	
Daughter Stillbirths	NA	

BRAVO



Photo: Lea McCullough

29HO18211
Born: 14/07/2015
Bred by: ABS

Pedigree: LEW x JORDAN x BOLIVER	Site: MORNING NEWLEN	EPI: 7.0%
DAM: JORDAN LZ BOLIVER		
MGS: GILLETT JORDAN		
DAIRY DAILY INDEX	+3022	3022
ED4 Milk (T)	30,217	
ED4 "World Data" Trend/Breeding**:	★★★★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg)	Value (%)
Milk	12,032 kg	
Protein	373 kg	3.10%
Fat	469 kg	3.90%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+2.5	
Daughter Pregnancy Rate	+2.1	
Somatic Cell Score	2.77	
CALVING TRAITS		
Service Site Calving Ease	6.2%	
Daughter Calving Ease	6.4%	
Service Site Stillbirths	7.9%	
Daughter Stillbirths	7.5%	

SNOWMAN



Photo: ABS

Sexcel

29HO18325

Born: 15/11/2015

Bred by: Comestar Holsteins Canada

Pedigree: BRAWLER x PLANET x RAMOS
 Sire: GEN-I-BEQ BRAWLER
 DAM: ROCKYMOUNTAIN PLANET RAMA-ET EFI: 7.4%
 MGS: ENSENADA PLANET ET TV TL TY PF

INDIA DAIRY INDEX
2379

Indian Dairy Index +2379
 IDI Merit (₹) 23,785

Real World Data™ TransitionRight™: ★★

DAUGHTER'S AVERAGE

PRODUCTION	Values (G)	Values%
Milk	12,600 kg	
Protein	389 kg	3.09 %
Fat	467 kg	3.71 %

CDCB 12/17

HEALTH & FERTILITY

Productivity Life	+2.8
Daughter Pregnancy Rate	-0.3
Somatic Cell Score	2.97

CALVING TRAITS

Service Sire Calving Ease	8.6%
Daughter Calving Ease	7.2%
Service Sire Stillbirths	7.2%
Daughter Stillbirths	6.2%

BOLT

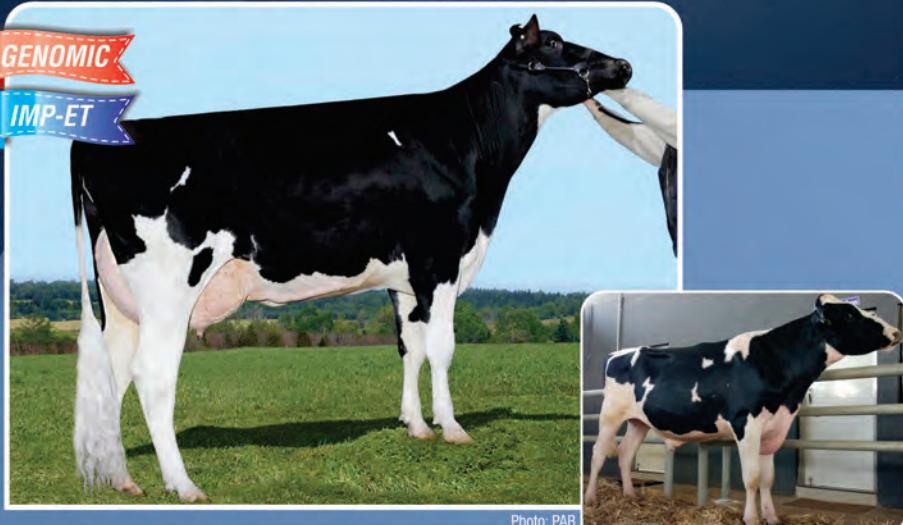


Photo: PAB

29HO18326

Born: 17/11/2015

Bred by: Comestar Holsteins Canada

Pedigree: BRAWLER x MAN-O-MAN x GOLDWYN
 Sire: GEN-I-BEQ BRAWLER
 DAM: JUMAU AN O MAN TORILYSA-ETS EFI: 7.6%
 MGS: LONG-LANGS OMAN OMAN-ET

INDIA DAIRY INDEX
2358

Indian Dairy Index +2358
 IDI Merit (₹) 23,584

Real World Data™ TransitionRight™: ★★★

DAUGHTER'S AVERAGE

PRODUCTION	Values (G)	Values%
Milk	12,529 kg	
Protein	387 kg	3.09 %
Fat	467 kg	3.73 %

CDCB 12/17

Productivity Life	+1.4
Daughter Pregnancy Rate	+0.3
Somatic Cell Score	2.97

CALVING TRAITS

Service Sire Calving Ease	7.7%
Daughter Calving Ease	6.9%
Service Sire Stillbirths	7.0%
Daughter Stillbirths	7.0%

WISCONSIN



Photo: James

Sexcel

29HO16883

Born: 08/03/2013

Bred by: Comestar Holsteins Canada

Pedigree: JORDAN x BOLIVER X OUTSIDE
 Sire: GILLETTE JORDAN
 DAM: COMESTAR MODEL LIZ BLIVER-ET EFI: 6.6%
 MGS: END-ROAD PVF BLIVER-ET

INDIA DAIRY INDEX
2332

Indian Dairy Index +2332
 IDI Merit (₹) 23,316

Real World Data™ TransitionRight™: ★★★

DAUGHTER'S AVERAGE

PRODUCTION	Values (G)	Values%
Milk	12,212 kg	
Protein	376 kg	3.08 %
Fat	453 kg	3.71 %

CDCB 08/17

Productivity Life	+2.5
Daughter Pregnancy Rate	+1.7
Somatic Cell Score	2.88

CALVING TRAITS

Service Sire Calving Ease	6.5%
Daughter Calving Ease	6.2%
Service Sire Stillbirths	6.8%
Daughter Stillbirths	6.5%

PLANET



Photo: Patty Jones

29HO18212

Born: 05/07/2015

Bred by: Comestar Holsteins Canada

Pedigree: NIAGARA x PLANET x RAMOS

Site: FREEREHVEN NIAGARA

DAM: ROCKY MOUNTAIN PLANET RAMA-ET EFL: 7.0%

MGR: ENSENADA PLANET ET TVTLV IF

Initial Dairy Index

+2070

ID Milk (T)

20703

West World Data™ TransfertBouygues™:

★

2070

DAUGHTER'S AVERAGE

PRODUCTION	Value (kg)	Value (%)
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Milk	12,355 kg	
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Protein	384 kg	3.19%
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Fat	483 kg	3.91%
-----	--------	-------

CDCB 12/17

HEALTH & FERTILITY

Productivity Life	+2.0
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Daughter Pregnancy Rate	-0.8
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Somatic Cell Score	3.06
--------------------	------

CALVING TRAITS

Service Site Calving Ease	9.3%
---------------------------	------

Daughter Calving Ease	6.9%
-----------------------	------

Service Site Stillbirths	7.4%
--------------------------	------

Daughter Stillbirths	6.2%
----------------------	------

MONEymaker

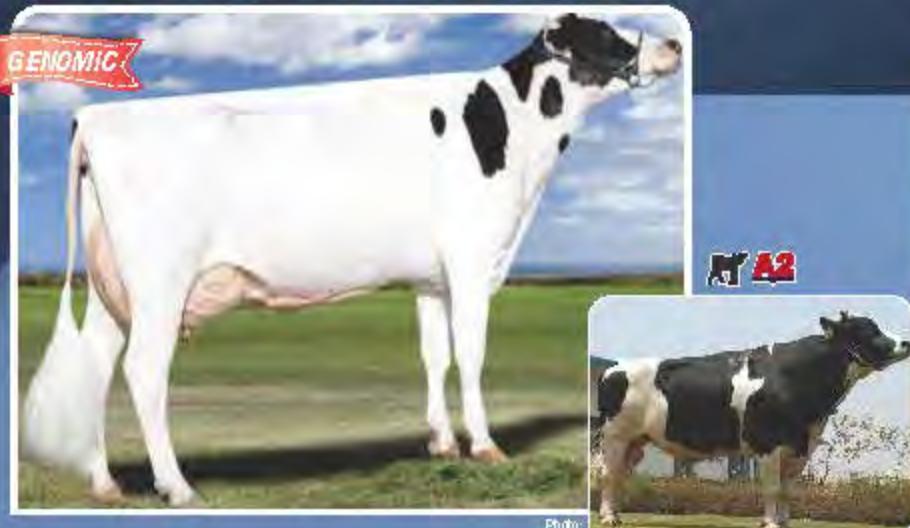


Photo:

29HO16766

Born: 04/03/2012

Pedigree: PENNYMAKER x JACOB

Site: WELCOME PENNYMAKER-ET

EFL: 5.3%

DAM: 913

MGR: EASTVIEW JACOB MG-ET

1628

Initial Dairy Index

+1628

ID Milk (T)

16281

West World Data™ TransfertBouygues™:

★★★

DAUGHTER'S AVERAGE

PRODUCTION	Value (kg)	Value (%)
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Milk	12,188 kg	
------	-----------	--

Protein	372 kg	3.06%
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Fat	466 kg	3.84%
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CDCB 12/17

HEALTH & FERTILITY

Productivity Life	+0.1
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Daughter Pregnancy Rate	+1.3
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Somatic Cell Score	3.00
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CALVING TRAITS

Service Site Calving Ease	7.0%
---------------------------	------

Daughter Calving Ease	6.9%
-----------------------	------

Service Site Stillbirths	8.2%
--------------------------	------

Daughter Stillbirths	7.0%
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PIONEER



Photo:

29HO16770

Born: 19/08/2012

Bred by: Comestar Holsteins Canada

Pedigree: GALLURON x BOUVIER x OUTSIDE

Site: FARMEUTERIE GALLURON

DAM: COMSTAR MODELLIZZ BOUVIER-ET EFL: 5.9%

MGR: ENSENADA PLANET ET TVTLV IF

1159

Initial Dairy Index

+1159

ID Milk (T)

11591

West World Data™ TransfertBouygues™:

★

DAUGHTER'S AVERAGE

PRODUCTION	Value (kg)	Value (%)
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Milk	12,502 kg	
------	-----------	--

Protein	386 kg	3.09%
---------	--------	-------

Fat	474 kg	3.79%
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CDCB 12/17

HEALTH & FERTILITY

Productivity Life	+1.4
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Daughter Pregnancy Rate	-2.4
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Somatic Cell Score	2.88
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CALVING TRAITS

Service Site Calving Ease	7.4%
---------------------------	------

Daughter Calving Ease	9.9%
-----------------------	------

Service Site Stillbirths	7.4%
--------------------------	------

Daughter Stillbirths	7.2%
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DOLLAR



Photo:



29HO16762
Born: 17/12/2011

Pedigree:	PENNIMAKER X ALTAKRAT	
Site:	WELCOME PENNIMAKER-ET	
MGS:	ROYLANE KURAT-ET	
EPI:	5.3%	
Indian Dairy Index	+1072	
IDM Milk (%)	107.20	
Real World Data™ TrendScoreRight™	★★★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg) Value(%)	
Milk	11,942 kg	
Protein	365 kg	3.06%
Fat	457 kg	3.82%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+0.6	
Daughter Pregnancy Rate	+1.8	
Somatic Cell Score	2.95	
CALVING TRAITS		
Service Site Calving Ease	8.0%	
Daughter Calving Ease	7.9%	
Service Site Stillbirths	7.4%	
Daughter Stillbirths	6.9%	

CHARM



Photo: Beth Herges



29HO17680
Born: 17/09/2013

Pedigree:	JUNCTION X BOCA DO	
Site:	JUNCTION	
MGS:	BOCA DO	
EPI:	NA	
Indian Dairy Index	+670	
IDM Milk (%)	67.00	
Real World Data™ TrendScoreRight™	★★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg) Value(%)	
Milk	12,201 kg	
Protein	375 kg	3.07%
Fat	462 kg	3.76%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	-0.3	
Daughter Pregnancy Rate	+1.9	
Somatic Cell Score	3.16	
CALVING TRAITS		
Service Site Calving Ease	7.9%	
Daughter Calving Ease	8.0%	
Service Site Stillbirths	NA	
Daughter Stillbirths	NA	

FREEDOM



Photo: Beth Herges



29HO17544
Born: 04/07/2015
Bred by: Comestar Holsteins Canada

Pedigree:	STEADY X GOLDWIN X ALTA COLORADO DRC	
Site:	STANTONS STEADY	
DAM:	DUDOC GOLDWIN CLAVICULE	
MGS:	BRAQUE GOLDWIN	
EPI:	6.8%	
Indian Dairy Index	NA	
IDM Milk (%)	NA	
Real World Data™ TrendScoreRight™	★★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg) Value(%)	
Milk	12,104 kg	
Protein	370 kg	3.06%
Fat	467 kg	3.86%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+0.1	
Daughter Pregnancy Rate	-0.9	
Somatic Cell Score	2.92	
CALVING TRAITS		
Service Site Calving Ease	6.9%	
Daughter Calving Ease	6.2%	
Service Site Stillbirths	6.2%	
Daughter Stillbirths	6.0%	

INDEPENDENCE



Photo: Sarah Danrow

29HO17543
Born: 15/08/2013
Bred by: Comestar Holsteins Canada

Pedigree:	STEADY x GOLDWIN x ALTA COLORADO RC	
Site:	STANTONS STEADY	
DAM:	DUODOC GOLDWIN CLAVICULE	EPI: 6.56
MGS:	BRAEDE GOLDWIN	
Indust. Dairy Index	N/A	
EDM Milk (T)	N/A	
West World Data™ TransfertBreedright™:	★☆	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg) Value(%)	
Milk	11,775 kg	
Protein	365 kg	3.10%
Fat	468 kg	3.96%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+0.1	
Daughter Pregnancy Rate	-0.8	
Somatic Cell Score	3.03	
CALVING TRAITS		
Service Site Calving Ease	7.0%	
Daughter Calving Ease	7.0%	
Service Site Stillbirths	6.2%	
Daughter Stillbirths	5.7%	

INNOVATION



Photo: Vicki Reicher

29HO17646
Born: 17/09/2013
Bred by: Comestar Holsteins Canada

Pedigree:	STEADY x GOLDWIN x ALTA COLORADO RC	
Site:	STANTONS STEADY	
DAM:	DUODOC GOLDWIN CLAVICULE	EPI: 6.56
MGS:	BRAEDE GOLDWIN	
Indust. Dairy Index	N/A	
EDM Milk (T)	N/A	
West World Data™ TransfertBreedright™:	★☆	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg) Value(%)	
Milk	12,040 kg	
Protein	370 kg	3.07%
Fat	471 kg	3.91%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+1.1	
Daughter Pregnancy Rate	-0.2	
Somatic Cell Score	3.05	
CALVING TRAITS		
Service Site Calving Ease	6.5%	
Daughter Calving Ease	6.5%	
Service Site Stillbirths	6.3%	
Daughter Stillbirths	6.3%	

JUPITER

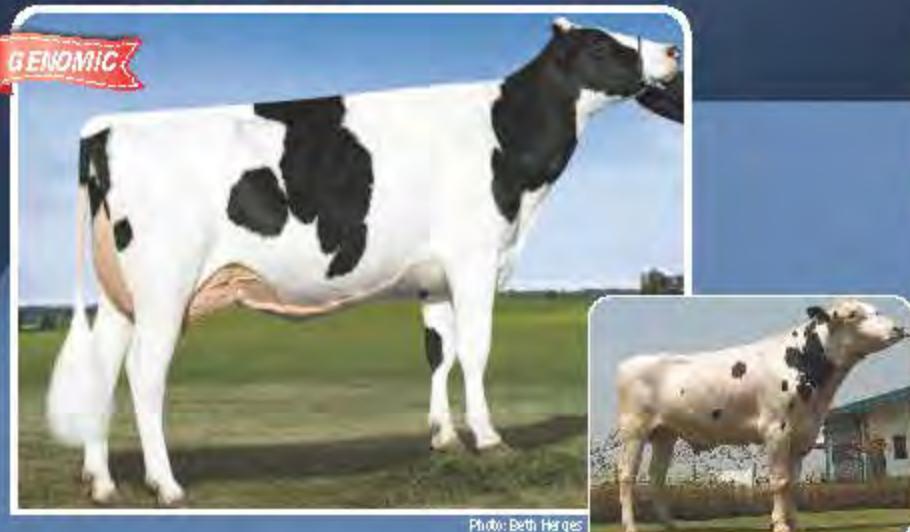


Photo: Beth Herges

29HO18213
Born: 13/01/2015

Pedigree:	HADEN x PENNIMAKER	
Site:	HADEN	
MGS:	PENNIMAKER	
MGS:	ENSENADA PLANETETTVTLTV IF	
Indust. Dairy Index	+2488	
EDM Milk (T)	24,884	
West World Data™ TransfertBreedright™:	★☆★	
DAUGHTER'S AVERAGE		
PRODUCTION	Value (kg) Value(%)	
Milk	12,372 kg	
Protein	374 kg	3.02%
Fat	463 kg	3.74%
CDCB 12/17		
HEALTH & FERTILITY		
Productivity Life	+1.7	
Daughter Pregnancy Rate	+0.7	
Somatic Cell Score	2.82	
CALVING TRAITS		
Service Site Calving Ease	10.8%	
Daughter Calving Ease	9.8%	
Service Site Stillbirths	9.7%	
Daughter Stillbirths	9.1%	



PKC

PKC-HIGH FERTILITY BULLS
Answer to Infertility

ABS Conception

Pregnancy King Conception

ENDEAVOUR | INNOVATION

Increased Conception Rates
More Profitability!

THE WORLD LEADER IN BOVINE GENETICS
LONG LIFE PRODUCTIVE COWS





HOLSTEIN SIRES

HOLSTEIN	PARENTS AVERAGE YIELD (kg)	DAMS YIELD (kg)	SIRE DAM's YIELD (kg)	FAT %	FAT (kg)	PROTEIN %	AVERAGE OF HALF SIBS / DAUGHTERS MILKING IN US (kg)	SIRE	CATEGORY
ENDEAVOUR (29H018210)	12,878	11,968	13,787	4.0	479	NA	10,478	STANTONS STEADY	PKC
A2 FIRE (29H018327)	14,043	8,773	19,313	3.9	342	NA	12,674	GENTEEL	ELITE
A2 FORTUNE (29H018328)	13,910	8,506	19,313	4.1	349	NA	12,674	GENTEEL	ELITE
JUPITER (29H018213)	13,244	9,368	17,120	4.2	393	NA	12,681	HAYDEN	ELITE
ROCKY (29H016205)	9,575	9,150	10,000	3.8	348	NA	NA	HEK	ELITE
TERMINATOR (29H016769)	12,687	8,550	16,823	3.8	325	NA	11,810	LARS-ACRES TERMINATOR	ELITE
A2 CARLSON (29H016207)	13,855	9,350	18,360	3.6	337	3.6	11,785	CARL	ELITE
A2 MACHO (29H016206)	14,260	10,160	18,360	3.7	376	4.0	11,785	CARL	ELITE
DISCOVERY (29H016765)	12,616	8,998	16,233	4.0	360	NA	12,134	DISCOVER	PLATINUM
STRATEGY (29H016763)	12,913	9,414	16,412	4.0	377	3.3	12,436	STRATEGIST	PLATINUM
KEVIN (29H017893)	11,978	7,335	16,621	4.1	300	3.8	12,433	AVALANCHE	PLATINUM
STEYN (29H017892)	11,818	7,015	16,621	4.2	295	3.8	12,433	AVALANCHE	GOLD
PRANAV (29H017888)	12,995	6,125	19,865	3.8	233	4.2	11,503	DESLACS MILKSTAR	GOLD
JAMES (29H017891)	12,995	6,125	19,865	3.8	233	4.2	11,503	DESLACS MILKSTAR	GOLD
ALEX (29H017890)	11,589	6,995	16,182	4.1	287	4.0	11,460	LA-PRESENTATION VIGNOBLE	GOLD

TOP BULLS



ABS BRUTE
#1 Holstein Bull in India



ABS TYSON
#1 Jersey Bull in India



ABS REDHU
#1 Murrah Bull in India



JERSEY



TYSON
29JE4021



TYSON

GENOMIC



Photo: Jenny Thomas

Sexel A2



29JE4021
Born: 06/04/2014

Pedigree: REBEL x AMITY
Sire: REBEL
MGS: AMITY

Indian Dairy Index NA
IDI Merit (♀) NA
Real World Data® TransitionRight™: ★★★

DAUGHTER'S AVERAGE		
PRODUCTION	Values (G)	Values%
Milk	9,322 kg	
Protein	333 kg	3.6 %
Fat	439kg	4.7 %

HEALTH & LIFE

Productivity Life	-0.4
Daughter Pregnancy Rate	+1.3
Somatic Cell Score	2.78

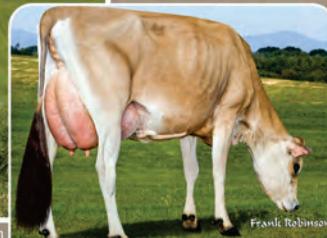
PREET

GENOMIC



Photo: Frank Robinson

Sexel A2



29JE4020
Born: 10/01/2015

Pedigree: REBEL x AMITY
Sire: REBEL
MGS: AMITY

Indian Dairy Index NA
IDI Merit (♀) NA
Real World Data® TransitionRight™: ★★★

DAUGHTER'S AVERAGE		
PRODUCTION	Values (G)	Values%
Milk	9,146 kg	
Protein	330 kg	3.6 %
Fat	434kg	4.7 %

HEALTH & LIFE

Productivity Life	-0.4
Daughter Pregnancy Rate	-0.9
Somatic Cell Score	2.83

SUBLIME

GENOMIC



Photo: Frank Robinson

Sexel



29JE4039
Born: 26/10/2015

Pedigree: AMOROUS X TYSON
Sire: AMOROUS
MGS: TYSON Senior

Indian Dairy Index NA
IDI Merit (♀) NA
Real World Data® TransitionRight™: ★★★

DAUGHTER'S AVERAGE		
PRODUCTION	Values (G)	Values%
Milk	8,884 kg	
Protein	322 kg	3.4 %
Fat	434kg	4.9 %

CDCB 12/17

HEALTH & FERTILITY

Productivity Life	+0.1
Daughter Pregnancy Rate	+1.2
Somatic Cell Score	2.82

LASER

(29JE3978)



PRODUCTION TRAITS

Dam's Yield	7,001 kg
Sire Dams Yield	5,322 kg
Fat	5.9 %
Protein	3.6 %
Average of half sibs / Daughters miling in the U.S.	7,287 kg
Parent Average Yields	6,162 kg

WILLOW

(29JE3977)



PRODUCTION TRAITS

Dam's Yield	6,369 kg
Sire Dams Yield	5,322 kg
Fat	6.3 %
Fat	NA
Protein	3.8%
Average of half sibs / Daughters miling in the U.S.	7,287 kg
Parent Average Yields	5,846 kg

ARNOLD

(29JE3973)

A2



PRODUCTION TRAITS

Dam's Yield	6,550 kg
Sire Dams Yield	7,497 kg
Fat	6.4 %
Fat	419 kg
Protein	3.96%
Average of half sibs / Daughters miling in the U.S.	NA
Parent Average Yields	NA

NEYMAR

(29JE3979)

Sexcel
Grade A Quality



PRODUCTION TRAITS

Dam's Yield	5,033 kg
Sire Dams Yield	6,845 kg
Fat	5.8 %
Fat	292 kg
Protein	3.6 %
Average of half sibs / Daughters miling in the U.S.	NA
Parent Average Yields	5,939 kg

DAVID

(29JE3974)



PRODUCTION TRAITS

Dam's Yield	6,200 kg
Sire Dams Yield	NA
Fat	5.8 %
Fat	359 kg
Protein	4%
Average of half sibs / Daughters miling in the U.S.	7,287 kg
Parent Average Yields	5,761 kg

MARTIN

(29JE3983)



PRODUCTION TRAITS

Dam's Yield	5,800 kg
Sire Dams Yield	8,101 kg
Fat	5.8 %
Fat	336 kg
Protein	3.6%
Average of half sibs / Daughters miling in the U.S.	NA
Parent Average Yields	6,951 kg

MAXWELL

(29JE3982)

A2



PRODUCTION TRAITS

Dam's Yield	5,308 kg
Sire Dams Yield	6,845 kg
Fat	5.7 %
Fat	303 kg
Protein	3.5 %
Average of half sibs / Daughters miling in the U.S.	NA
Parent Average Yields	6,071 kg

ADAM

(29JE3976)



PRODUCTION TRAITS

Dam's Yield	5,800 kg
Sire Dams Yield	6,845 kg
Fat	6 %
Fat	348 kg
Protein	3.9%
Average of half sibs / Daughters miling in the U.S.	NA
Parent Average Yields	NA

SPARTAN

HF X SAHIWAL
(29XD0001)



PRODUCTION TRAITS

Dam's Yield	5,990 kg
Sire Dams Yield	16,182 kg
Fat	4.8 %
Protein	2.9 %
Average of half sibs / Daughters miling in the U.S.	11,086 kg
Parent Average Yields	11,452 kg

Sexcel A2
Sexed Genetics

AUSTIN

HF X SAHIWAL
(29XD0003)



PRODUCTION TRAITS

Dam's Yield	2,948 kg
Sire Dams Yield	16,620 kg
Fat	6%
Protein	3%
Average of half sibs / Daughters miling in the U.S.	NA
Parent Average Yields	9,784 kg

CROSSBREEDS

Sexcel
Sexed Genetics™

1st
**Crossbreed
Sexed Genetics**

TROY

HF X GIR
(29XD0002)



PRODUCTION TRAITS

Dam's Yield	5,800 kg
Sire Dams Yield	18,850 kg
Fat	6.2 %
Protein	3.07 %
Average of half sibs / Daughters miling in the U.S.	12,325 kg
Parent Average Yields	12,350 kg

Sexcel A2
Sexed Genetics

RAMBO

(Red Sindhi)
(29ES0001)



PRODUCTION TRAITS

Dam's Yield	3,044 kg
Sire Dams Yield	2,836 kg
Fat	4.9 %
Fat	149 kg
Protein	NA
Sire	Raghu
Parent Average Yields	2,940 kg

Sexel A2

INDIGENOUS



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got one!



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www.genusabsindia.com

STOUT

(Red Sindhi)
(29ES0002)



PRODUCTION TRAITS

Dam's Yield	4,028 kg
Sire Dams Yield	2,836 kg
Fat	4.9 %
Fat	197 kg
Protein	NA
Sire	Raghu
Parent Average Yields	3,432 kg

AJEEET

(Red Sindhi)
(29ES0003)



PRODUCTION TRAITS

Dam's Yield	4,028 kg
Sire Dams Yield	2,836 kg
Fat	4.9 %
Fat	197 kg
Protein	NA
Sire	Raghu
Parent Average Yields	3,432 kg

A2

BAADAL (Sahiwal)

(29SW0001)



PRODUCTION TRAITS

Dam's Yield	4,996 kg
Sire Dams Yield	5,191 kg
Fat	5 %
Fat	250 kg
Protein	NA
Sire	124
Parent Average Yields	5,094 kg



CHETAK (Gir)

(29GL0056)



PRODUCTION TRAITS

Dam's Yield	4,813 kg
Sire Dams Yield	NA
Fat	4.6 %
Fat	221 kg
Protein	NA
Sire	NA
Parent Average Yields	NA



1st

Indigenous (Desi) Sexed Genetics

RAFTAAR (Gir)

(29GL0057)



PRODUCTION TRAITS

Dam's Yield	4,673 kg
Sire Dams Yield	5,032 kg
Fat	4.7 %
Fat	220 kg
Protein	NA
Sire	G01
Parent Average Yields	4,853 kg



TOOFAN

(Sahiwal)
(29SW0003)



PRODUCTION TRAITS

Dam's Yield	4,618 kg
Sire Dams Yield	4,191 kg
Fat	5 %
Fat	231 kg
Protein	NA
Sire	Bahadur
Parent Average Yields	4,405 kg

Sexcel

SHAKTI

(Sahiwal)
(29SW0002)



PRODUCTION TRAITS

Dam's Yield	4,111 kg
Sire Dams Yield	4,010 kg
Fat	5.1 %
Fat	210 kg
Protein	NA
Sire	Rustum
Parent Average Yields	4,061 kg

Sexcel

BABBAR

(Sahiwal)
NAMDHARI (29SW0004)



PRODUCTION TRAITS

Dam's Yield	4,802 kg
Sire Dams Yield	4,064 kg
Fat	5 %
Fat	240 kg
Protein	NA
Sire	Yug
Parent Average Yields	4,433 kg

Sexcel

SULTAN

(Sahiwal)
NAMDHARI (29SW0005)



PRODUCTION TRAITS

Dam's Yield	4,512 kg
Sire Dams Yield	4,083 kg
Fat	5.1 %
Fat	230 kg
Protein	NA
Sire	Singawala
Parent Average Yields	4,298 kg

Sexcel



MURRAH



BAHUBALI
29MU0036



REDHU

(29MU0028)

ROYALE



PRODUCTION TRAITS

Dam's Yield	5,414 kg
Sire Dams Yield	4,237 kg
Fat	7.9 %
Fat	428 kg
Protein	NA
Parent Average Yields	4,826 kg

BAHUBALI

(29MU0036)

ROYALE



PRODUCTION TRAITS

Dam's Yield	5,586 kg
Sire Dams Yield	NA
Fat	7.20 %
Fat	402 kg
Protein	NA
Parent Average Yields	NA

MAHARAJA

(29MU0034)

PRODUCTION TRAITS

Dam's Yield	5,596 kg
Sire Dams Yield	NA
Fat	7.20 %
Fat	403 kg
Protein	NA
Parent Average Yields	NA

VAJRA

(29MU0039)

PRODUCTION TRAITS

Dam's Yield	4,650 kg
Sire Dams Yield	NA
Fat	7.30 %
Fat	339 kg
Protein	NA
Parent Average Yields	NA

VIKRANT

(29MU0039)

PRODUCTION TRAITS

Dam's Yield	4,609 kg
Sire Dams Yield	NA
Fat	7.20 %
Fat	332 kg
Protein	NA
Parent Average Yields	NA



SULTAN

(29MU0003)

PRODUCTION TRAITS

Dam's Yield	4,500 kg
Sire Dams Yield	NA
Fat	7.8 %
Fat	351 kg
Protein	NA
Parent Average Yields	NA

BHEEM

(29MU0007)

PRODUCTION TRAITS

Dam's Yield	4,211 kg
Sire Dams Yield	NA
Fat	7.9 %
Fat	333 kg
Protein	NA
Parent Average Yields	NA

DARA

(29MU0006)

PRODUCTION TRAITS

Dam's Yield	4,686 kg
Sire Dams Yield	NA
Fat	7.5 %
Fat	351 kg
Protein	NA
Parent Average Yields	NA

GABBAR

(29MU0005)

PRODUCTION TRAITS

Dam's Yield	4,185 kg
Sire Dams Yield	NA
Fat	7.90 %
Fat	331 kg
Protein	NA
Parent Average Yields	NA

FAULAD

(29MU0035)

PRODUCTION TRAITS

Dam's Yield	4,689 kg
Sire Dams Yield	NA
Fat	7.20 %
Fat	338 kg
Protein	NA
Parent Average Yields	NA

VENKAT

(29MU0027)

PRODUCTION TRAITS

Dam's Yield	4,344 kg
Sire Dams Yield	4,750 kg
Fat	7.7 %
Fat	334 kg
Protein	NA
Parent Average Yields	4,547 kg

YODHA

(29MU0033)

PRODUCTION TRAITS

Dam's Yield	3,288 kg
Sire Dams Yield	3,587 kg
Fat	8.2 %
Fat	269 kg
Protein	4.1 %
Parent Average Yields	3,438 kg

MAHABALI

(29MU0002)



PRODUCTION TRAITS

Dam's Yield	4,332 kg
Sire Dams Yield	4,093 kg
Fat	7.7 %
Fat	333 kg
Protein	NA
Parent Average Yields	NA

JOHNSON

(29MU0022)

PRODUCTION TRAITS

Dam's Yield	4,973 kg
Sire Dams Yield	4,750 kg
Fat	7.5 %
Fat	373 kg
Protein	NA
Parent Average Yields	4,862 kg

ZORAVAR

(29MU0038)

PRODUCTION TRAITS

Dam's Yield	4,623 kg
Sire Dams Yield	NA
Fat	7.3 %
Fat	337 kg
Protein	NA
Parent Average Yields	NA

SIKANDAR

(29MU0034)

PRODUCTION TRAITS

Dam's Yield	4,498 kg
Sire Dams Yield	NA
Fat	6.8 %
Fat	306 kg
Protein	NA
Parent Average Yields	NA

SAHIL

(29MU0020)

PRODUCTION TRAITS

Dam's Yield	3,830 kg
Sire Dams Yield	4,081 kg
Fat	7.90 %
Fat	303 kg
Protein	4.20 %
Parent Average Yields	3,956 kg

DEEPAK

(29MU0018)

PRODUCTION TRAITS

Dam's Yield	4,020 kg
Sire Dams Yield	4,081 kg
Fat	7.60 %
Fat	306 kg
Protein	5.20 %
Parent Average Yields	4,051 kg

SANDY

(29MU0021)

PRODUCTION TRAITS

Dam's Yield	4,339 kg
Sire Dams Yield	4,404 kg
Fat	7.8 %
Fat	338 kg
Protein	4.00 %
Parent Average Yields	4,372 kg

AMIT

(29MU0019)

PRODUCTION TRAITS

Dam's Yield	4,030 kg
Sire Dams Yield	4,081 kg
Fat	7.80 %
Fat	314 kg
Protein	4.20 %
Parent Average Yields	4,056 kg

RISHI

(29MU0031)

PRODUCTION TRAITS

Dam's Yield	3,888 kg
Sire Dams Yield	3,338 kg
Fat	7.90 %
Fat	307 kg
Protein	4.66 %
Parent Average Yields	3,613 kg

SANGRAM

(29MU0029)

PRODUCTION TRAITS

Dam's Yield	3,502 kg
Sire Dams Yield	3,894 kg
Fat	8.20 %
Fat	287 kg
Protein	NA
Parent Average Yields	NA

VIKAS

(29MU0013)

PRODUCTION TRAITS

Dam's Yield	3,123 kg
Sire Dams Yield	3,206 kg
Fat	7.90 %
Fat	247 kg
Protein	4.90 %
Parent Average Yields	3,165 kg

IMRAN

(29MU0014)

Sexel

PRODUCTION TRAITS

Dam's Yield	3,450 kg
Sire Dams Yield	3,787 kg
Fat	7.33 %
Fat	253 kg
Protein	4.63 %
Parent Average Yields	3,619 kg

TEJAS

(29MU0015)

PRODUCTION TRAITS

Dam's Yield	3,284 kg
Sire Dams Yield	3,787 kg
Fat	7.80 %
Fat	256 kg
Protein	5.30 %
Parent Average Yields	3,536 kg

BALWAN

(29MU0032)

PRODUCTION TRAITS

Dam's Yield	3,715 kg
Sire Dams Yield	3,417 kg
Fat	7.9 %
Fat	293 kg
Protein	4.1 %
Parent Average Yields	3,566 kg

MANOJ

(29MU0024)

PRODUCTION TRAITS

Dam's Yield	3,942 kg
Sire Dams Yield	3,787 kg
Fat	7.5 %
Fat	296 kg
Protein	4.3 %
Parent Average Yields	3,865 kg

ISHANT

(29MU0025)

PRODUCTION TRAITS

Dam's Yield	3,900 kg
Sire Dams Yield	3,787 kg
Fat	7.60 %
Fat	296 kg
Protein	4.3 %
Parent Average Yields	3,844 kg

SANJAI

(29MU0026)

PRODUCTION TRAITS

Dam's Yield	3,740 kg
Sire Dams Yield	3,695 kg
Fat	8 %
Fat	299 kg
Protein	4.1 %
Parent Average Yields	3,718 kg



GenoChek
Know your animal inside out

Genomic testing service for your cows

GenoChek
is the analysis
of genetic data
resulting from
your cow's DNA

ABS India provides genomic testing of females to all dairy producers and provides access of this advanced technology for your economic benefit. With **GenoChek** you can peek inside your animal which will increase the accuracy of predicting your cow's genetic merit.

GenoChek allows you to take advantage of the advanced scientific knowledge and to improve your herd profitability by

1. finding out elite animals to be retained
2. sire selection for correct breeding decisions
3. use of sexed semen on best heifers
4. sale of excess heifers (which lower genetic merit heifers/females to sell)
5. faster genetic progress of the herd, helps identifying traits to improve

ABS brings this advanced technology in reach for the Indian dairy producer. It can also help in applying GMS and avoid inbreeding. The dairy processors can avail **GenoChek** to know average genetic merit of animals in their milk procurement area and take breeding decisions accordingly to help increase milk productivity.

ABS offer 3k and 50k SNP tests for your female animals. The 3K test evaluates 3,000 SNP while the 50k evaluates 50,000. The accuracy of genomic testing depends on the information available from the ancestors. 3k test is slight less accurate than 50k but costs significantly less.

What you have to do to avail **GenoChek**?

Simply call your ABS representative. He/She will guide you for the sample and a nominal fee process. It takes from 4-6 weeks for the results. Sit back, relax and fast track genetic progress and profit from your dairy herd through informed breeding, management and marketing decisions based on **GenoChek**.



email: abs.india@genusplc.com



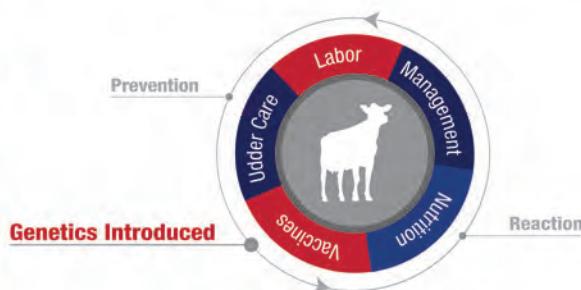
Finally, a genetic solution to help your herd TransitionRight.™

Transition health disorders cost you serious time, money, productivity and cows. ABS's TransitionRight offers you a genetic solution to proactively prevent transition health problems in your herd, by making your cows more genetically predisposed to reduce disorders such as Mastitis, Metritis and Ketosis.

Don't react. Prevent through genetics.

With TransitionRight, you can strategically choose ABS sires to enhance the transition health of your herd. With 75% of disease in dairy cows occurring in the first 30 days in milk and as many as 50% of high-producing cows affected¹, transition cow disorders take a major toll on your herd, workload and bottom line. In a year, it is not uncommon to lose up to 10% of a herd due to transition cow problems.² Prevention through genetics has not been available to help reduce multiple post-calving disorders—until now. ABS® is the first and only company to offer a genetic solution to help prevent multiple post-calving disorders that occur during transition—the most crucial period in your cow's life.

THE NEW ANSWER
PREVENTION
THROUGH GENETICS



Break the cycle of prevention and reaction.
Use the power of genetics to address transition cow health.

TransitionRight is powered by the industry's most robust database—ABS Real World Data.®

- Real-time data provided by ABS customers
- Unbiased data, containing more than 20 million cow records, comprised of 40% ABS bulls and 60% non-ABS bulls

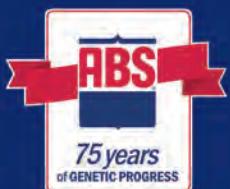
"We're not simply taking Industry PTA's and incorporating them into an index. ABS Real World Data is using REAL producer data and creating value through genetic solutions."



– **Dr. Katie Olson, Ph.D.,**
Lead Research Scientist

¹ Major Advances in Disease Prevention in Dairy Cattle. 2006. LeBlanc, S.J. et al. Journal of Dairy Science, Volume 89 , Issue 4 , 1267 – 1279 and Monitoring metabolic health of dairy cattle in the transition period. 2010. LeBlanc. J Reprod Dev. 2010 Jan;56 Suppl:S29-35.

² Reproductive performance of North American dairies by geographic region. 2015. C. F. Vergara*, F. Bitencourt, L. Johnson, D. Vallejo, and H. Lopez. J. Anim. Sci. Vol. 93, Suppl. s3/J. Dairy Sci. Vol. 98, Suppl. 2



Losing time and money on transition cows?

Introducing: TransitionRight™

The ABS TransitionRight Advantage

This program enables producers to breed for enhanced transition health, preventing costly health disorders through genetics.

It also:

- Improves each cow's ability to get through the transition period with fewer health issues
- Improves operational efficiency over time
- Reduces costs related to the prevention of or reaction to transition cow health issues, increasing profitability over time

Cost Per Condition



At a typical incidence rate of 15%, a 1,000-cow herd can lose over \$52,000 in reduced productivity, treatment costs and herd loss from just Metritis alone.

TransitionRight Economic Sire Ranking

The economic impact of sire genetics on cow transition health is significant for any size dairy operation. By choosing a 5-Star sire, your operation is projected to save approximately \$100 in preventative or reactive costs per Holstein cow, per lactation, over a breed-average 3-Star sire. Jersey cows are projected to save approximately \$50 in preventative or reactive costs per cow, per lactation.

Star Ranking	Sire Ranking	HOLSTEIN Expected Economic Impact Per Lactation	JERSEY Expected Economic Impact Per Lactation
*****	Top 10%	\$100 savings	\$50 savings
****	20%	\$50 savings	\$25 savings
***	Average 40%	\$0	\$0
**	20%	-\$50 cost	-\$25 cost
*	Bottom 10%	-\$100 cost	-\$50 cost

Reduce early metabolic disease traits with ABS TransitionRight 5-Star Sires.

Disease Trait	% Difference in Expected Incidence Rate vs. 1-Star Sire
Mastitis	7%
Metritis	6%
Ketosis	4%

Every cow is important. Ask your ABS representative about TransitionRight sires that can help prevent transition cow disorders.

**Get USA dairy genetics
customized to Indian
needs to help your herd
produce better with
higher profit.**



IDI

INDIA DAIRY INDEX

Maximize Your Efficiency & Profit

ABS brings leading dairy genetics from USA customised for Indian Dairy Producer for maximizing efficiency and profit margins. Indian farmers need dairy cows that perform better in Indian conditions and produce as per Indian consumer needs.

Unlike in other countries, Indian dairy farmer finds it difficult to remove the low profitable or non profitable cows so easily. You need cows to calve easy and proactively prevent transition health problems in herd like Mastitis, Ketosis and Metritis. You want your cows to be strong and profitable enough to last multiple lactations. You need cows that have high production with better health, proper frame size, better fertility and longer herd life.

Know how much profit you can make per cow using sires with IDI rankings.

The economic impact of IDI genetics is significant for any size dairy operation. By choosing a sire with 5000 IDI value, its daughter is projected to earn approximately Rs. 50,000 more during its lifetime compared to an average sire in USA. Higher the value, higher the gain!

You get more suited cows that perform better in India. More efficient, more profitable.

Every rupee is important. Every cow is important.

Ask your ABS representative about IDI Holstein sires that can help maximize your herd profit.

ABS India Dairy Profit Index (IDI) is a tool to help customers chose to best capture the genetic potential of ABS sires for your Dairy herd.

IDI
**Get more
suited cows
for India.**



HARNESSING THE POWER OF ABS GLOBAL GENETICS

29HO13363

DOBERMAN
SHOTTEL X MISSILE

29HO13846

TRIGGER
SHOTTEL X OUTSIDE

29HO16153

PARADISE
DORCY X OUTSIDE

29HO16298

TYRO
TRIGGER X O MAN



**ABS India in association with
ABS Brazil offers to provide
GIR semen in India**

GIR

Soberano	17,182 kg
Brilhante	15,388 kg
Brasilia	15,126 kg
Teatro	15,126 kg





Pioneering animal
genetic improvement to
help nourish the world.

