



HOW TO READ

Holstein Sire Information

7 8 9 10

1	HOLSTEIN JUROR JOHN-ET TPI +1708G						TRAIT	STA		2	1	0	1	2
	USA 131520543 100%RHA-NA TV TL 03-02-05 +1709M						Protein	2.58	High					
2	Sire: KED JUROR-ET 100%RHA-NA TV TL 86 GM						Fat	2.70	High					
	USA 2290977 100%RHA-NA TV TL 86 GM +1664						Final Score	2.07	High					
3	Dam: HOLSTEIN BETTY 100%RHA-NA 88 EVVVV						Productive Life	0.00						
	USA 17215771 100%RHA-NA 88 EVVVV						Somatic Cell Score	0.38	Low					
4	PRODUCTION						Stature	2.02	Tall					
	Milk	+1705	%	%R	SIRE	DAM	DAU	GRP	Strength	0.38	Strong			
5	01-2009 73 DAUS 44 HERDS 84 %RIP 100 %US						Body Depth	0.77	Deep					
	Fat	+62	+0.00	+43	+62	1000	936	Dairy Form	1.50	Open Rib				
6	PL +0.0 53 +0.0 -0.6 SCE 9% 69 %R						Rump Angle	1.05	High Pins					
	SCS	3.05	67	2.92	3.14	DCE 9%	55 %R	Rump Width	0.74	Wide				
7	FE +140 NMS\$ +440 CMS\$ +438 HT #3.0 FI 1.5 50 %R						R Legs-Side View	0.85	Straight					
	TYPE						R Legs-Rear View	2.67	Straight					
8	Type +1.45 82 +2.00 +1.95 76.0 79.8						Foot Angle	2.09	Steep					
	UDC +1.53 +1.94 -1.39						Feet & Legs Score	0.82	High					
9	FLC +1.47 -2.35 -1.78 BD +1.29 D +1.37						Fore Attachment	1.26	Strong					
	01-2009 60 DAUS 38 HERDS EFT D/H 3.6						Rear Udder Height	1.62	High					
10	Breeder Bill & Betty Breeder						Rear Udder Width	2.00	Wide					
	Owner AI Company						Udder Cleft	1.23	Strong					
11	Controller AI Company						Udder Depth	1.68	Shallow					
	ACTIVE 1HO3872 JOHN						F Teat Placement	1.28	Close					
12							R Teat Placement	0.78	Close					
							Teat Length	1.52	Short					

1 IDENTIFICATION PEDIGREE BLOCK

Line 1 Bull's name, TPI® value and source of evaluation where: blank = US, G = Genomic, and M = MACE. TPI (Total Performance Index) is a multi-trait index, calculated by Holstein Association USA. It combines Predicted Transmitting Ability (PTA) Protein, PTA Fat, Feed Efficiency, PTA Type, Udder Composite Index, Feet & Legs Composite Index, PTA Productive Life, Health Trait Index, PTA Cow Livability, PTA Somatic Cell Score, Fertility Index, PTA Daughter Calving Ease and PTA Daughter Stillbirth, thus ranking sires on their ability to transmit a balance of these traits. Only the TPI value calculated by the Holstein Association USA is considered official. The current TPI formula is:

$$\frac{19(PTAP)}{17} + \frac{19(PTAF)}{22} + \frac{8(FE)}{45} + \frac{8(PTAT)}{0.8} + \frac{11(UDC)}{0.8} + \frac{6(FLC)}{0.8} + \frac{5(PL)}{1.6} + \frac{2(HT)}{2.0} + \frac{3(LIV)}{1.4} - \frac{4(SCS)}{0.13} + \frac{13(FI)}{1.3} - \frac{1(DCE)}{1.0} - \frac{1(DSB)}{0.9} + 2370$$

Note: when calculating TPI value, do not round until the very end.

TPI® is a servicemark of Holstein Association USA, Inc.

Line 2 Nation, identification number, percentage Registered Holstein Ancestry (RHA) (NA=North American, I=International), any genetic codes, final score, date of birth, Gold Medal Sire designation and GM date.

GENETIC CODES

BD Bulldog ¹	TM Tested free of Mule-Foot
BL Bovine Leukocyte Adhesion Deficiency (BLAD) ¹	PO Observed Polled ²
TL Tested free of BLAD	PC Tested Heterozygous Polled ²
BY Brachyspina ¹	PP Tested Homozygous Polled ²
TY Tested free of Brachyspina	TP Tested free of the Polled Condition (horned)
CD Cholesterol Deficiency ¹	RC Carrier of Recessive Red Hair Color ¹
TC Tested free of Cholesterol Deficiency	B/R Black/Red ¹
CV Complex Vertebral Malformation (CVM) ¹	TR Tested free of Recessive Red Hair Color ¹
TV Tested free of CVM	DR1 Tested Heterozygous for Dominant Red ²
DP Deficiency of Uridine Monophosphate Synthase (DUMPS)	DR2 Tested Homozygous for Dominant Red ²
TD Tested free of DUMPS	
MF Mule-Foot ¹	

¹Recessive gene carrier

²Dominant gene carrier

Line 3 Sire's name and TPI value.

Line 4 Sire's nation, identification number, percentage RHA (NA=North American, I=International), recessive gene codes, final score, and Gold Medal Sire designation.

Line 5 Dam's name and CTPI value.

Line 6 Dam's nation, identification number, percentage RHA (NA=North American, I=International), recessive gene codes, final score, five major breakdowns and Gold Medal Dam and Dam of Merit designation.

2 PRODUCTION SUMMARY BLOCK

Line 1 Titles

Line 2 Milk: PTA, % Reliability, Sire's PTA, Dam's PTA, Daughter Averages (ME)³, Management Group Average (ME)³

Line 3 Fat: PTA, PTA %, Sire's PTA, Dam's PTA, Daughter Averages (ME)³, Management Group Average (ME)³

Line 4 Protein: PTA, PTA %, Sire's PTA, Dam's PTA, Daughter Averages (ME)³, Management Group Average (ME)³

Line 5 Evaluation date, number of daughters and herds, percentage of records in progress, percentage of daughters in the U.S.

3 ADDITIONAL GENETIC INFORMATION BLOCK

Line 1 PL: PTA, %Reliability, Sire's PTA, Dam's PTA, Service Sire Calving Ease, % Reliability.

Line 2 SCS: PTA, % Reliability, Sire's PTA, Dam's PTA, Daughter Calving Ease, % Reliability.

Line 3 Feed Efficiency, Net Merit \$, Cheese Merit \$, Health Trait Index, Fertility Index, % Reliability.

(Continued on next page)

HOW TO READ

Holstein Sire Information (continued)

7 8 9 10

1	HOLSTEIN JUROR JOHN-ET TPI +1708G							TRAIT	STA		2	1	0	1	2	
	USA 131520543 100%RHA-NA TV TL 03-02-05 Sire: KED JUROR-ET +1709M USA 2290977 100% RHA-NA TV TL 86 GM Dam: HOLSTEIN BETTY +1664 USA 17215771 100%RHA-NA 88 EVVVV							Protein	2.58	High						
2	PRODUCTION							Stature	2.02	Tall						
	Milk	+1705	%	%R	SIRE	DAM	DAU	GRP	0.38	Strong						
3	PL +0.0 53 +0.0 -0.6 SCE 9% 69%R							R Strength	0.85	Straight						
	Fat	+62	+0.0	+43	+62	1000	936	R Dairy Form	2.67	Straight						
4	Pro +50 +0.0 +46 +44 822 772							Rump Angle	1.50	Open Rib						
	01-2009	73 DAUS	44 HERDS			84 %RIP	100 %US	Rump Width	1.05	High Pins						
5	FE +140 NMS\$ +440 CM\$ +438 HT *3.0 FI 1.5 50 %R							R Legs-Side View	0.74	Wide						
	TYPE							R Legs-Rear View	2.09	Straight						
6	Breeder Bill & Betty Breeder							Foot Angle	2.09	Straight						
	Owner AI Company							Feet & Legs Score	0.82	High						
Controller AI Company							Fore Attachment	1.26	Strong							
ACTIVE							Rear Udder Height	1.62	High							
1HO3872							Rear Udder Width	2.00	Wide							
JOHN							Udder Cleft	1.23	Strong							
							Udder Depth	1.68	Shallow							
							F Teat Placement	1.28	Close							
							R Teat Placement	0.78	Close							
							Teat Length	1.52	Short							

4 TYPE SUMMARY BLOCK

- Line 1 Titles
 Line 2 Type: PTA, % Reliability, Sire's PTA, Dam's PTA, Daughter averages final score (SC)³, average age adjusted score (AASC)³.
 Line 3 UDC: Linear Composite Index for udder (UDC), Sire's UDC, Dam's UDC
 Line 4 FLC: Linear Composite Index for feet and legs (FLC), Sire's FLC, Dam's FLC, Body Size, Dairy Capacity³.
 Line 5 Evaluation date, number of daughters and herds, effective daughters per herd (EFT D/H)³. Effective daughters per herd is an indication of the distribution of daughters across herds. If each daughter were in a separate herd, the effective daughters per herd would be 1.0. The lower the value for effective daughters per herd, the more reliable the proof for a given number of progeny.

5 OWNERSHIP BLOCK

- Line 1 Name and state of the bull's breeder.
 Line 2 Name and state of the bull's owner or lessee, as recorded with Holstein Association USA.
 Line 3 Name of the bull's controller, as recorded with NAAB (National Association of Animal Breeders).

6 NAAB DATA BLOCK

- Line 1 Semen Status.
 Line 2 NAAB Number
 Line 3 Short Name.

7 TRAIT NAME BLOCK

Traits for which STA's are graphed.

8 STANDARD TRANSMITTING ABILITY (STA) BLOCK

Displays the STA value for each of the twenty-two traits; STA is a bull's PTA value on a standardized scale. STA values will almost always fall within 3 standard units of 0. Standardizing to a common scale readily allows one to see if a bull is more extreme in one trait than another.

9 BIOLOGICAL EXTREME BLOCK

Contains descriptions of the biological extremes for each of the twenty-two traits. When a bull's STA value is 0.85 or greater, the biological extreme is highlighted.

10 TRAIT PROFILE BLOCK

The STA values with the Confidence Range (CR) for each trait is displayed. CR is a measure of the reliability of the transmitting ability estimate. The shaded bar reflects the CR for each trait. As more daughters contribute to the proof the Reliability will increase and the confidence range will decrease. In this case, the shaded bar will shorten in length.

Extreme traits are illustrated by ◀ or ▶ when the lowest point of the CR exceed minus or plus 2.35.

³ If the bull has an official MACE evaluation this value will be based on the bull's Domestic U.S. evaluation.



Holstein Association USA

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