



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 USA 2290977 100% RHA-NA TV TL 86 GM +1664						Fat	2.70	High					
	Dam: HOLSTEIN BETTY USA 17215771 100%RHA-NA 88 EVVVV						Final Score	2.07	High					
3	PRODUCTION						Productive Life	0.00						
	Milk	+1705	%	%R	SIRE	DAM	DAU	GRP	Somatic Cell Score	0.38	Low			
4	Fat	+62	+0.00	+43	+62	1000	936	Stature	2.02	Tall				
	Pro	+50	+0.00	+46	+44	822	772	Strength	0.38	Strong				
5	PL	+0.0	53	+0.0	-0.6	SCE 9%	69 %R	Body Depth	0.77	Deep				
	SCS	3.05	67	2.92	3.14	DCE 9%	55 %R	Dairy Form	1.50	Open Rib				
6	FE	+140	NMS\$ +440	CMS\$ +438	HT #3.0	FI 1.5	50 %R	Rump Angle	1.05	High Pins				
	Type	+1.45	82	+2.00	+1.95	76.0	79.8	Rump Width	0.74	Wide				
7	UDC	+1.53		+1.94	-1.39	BD +1.29	D +1.37	R Legs-Side View	0.85	Straight				
	FLC	+1.47		-2.35	-1.78			R Legs-Rear View	2.67	Straight				
8	01-2009	60 DAUS	38 HERDS	EFT	D/H 3.6			Foot Angle	2.09	Steep				
	Breeder	Bill & Betty Breeder						Feet & Legs Score	0.82	High				
9	Owner	AI Company						Fore Attachment	1.26	Strong				
	Controller	AI Company						Rear Udder Height	1.62	High				
10								Rear Udder Width	2.00	Wide				
								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				

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:

$$\frac{19(PTAP)}{17} + \frac{19(PTAF)}{22} + \frac{8(FE)}{52} + \frac{8(PTAT)}{0.8} + \frac{11(UDC)}{0.8} + \frac{6(FLC)}{0.8} + \frac{5(PL)}{1.6} + \frac{2(HT)}{2.0} + \frac{3(LIV)}{1.4} - \frac{4(SCS)}{0.13} + \frac{13(FI)}{1.3} - \frac{0.5(DCE)}{0.5} - \frac{1.5(DSB)}{0.8} 3.8 + 2363$$

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 Legs-Side View	0.85	Straight						
	Fat +62 +.00 +43 +62 1000 936							R Legs-Rear View	2.67	Straight						
4	Pro +50 +.00 +46 +44 822 772							Foot Angle	2.09	Steep						
	01-2009 73 DAUS 44 HERDS 84 %RIP 100 %US							Feet & Legs Score	0.82	High						
5	BREEDER: Bill & Betty Breeder							Fore Attachment	1.26	Strong						
	OWNER: AI Company							Rear Udder Height	1.62	High						
6	CONTROLLER: AI Company							Rear Udder Width	2.00	Wide						
	ACTIVE: 1H03872 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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