

Models to Reduce Biases Associated With Reclassification Data

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Introduction

The current genetic evaluation model for conformation traits includes separate age effects for 1st versus later lactation and 1st classification versus reclassification records (Sullivan et al, 2006a,b). Separate age curves are expected to minimize systematic biases in bull proofs and cow indexes due to the inclusion of reclassification records in the genetic evaluation system. Under this model, reclassified cows with the highest increases in score are the most likely to receive higher EBV due to the inclusion of their reclassification records, however EBV for cows originally classified with low scores did not appear to follow this pattern. Our best explanation has been that these cows must have negative herd-mate deviations from 1st classifications combined with negative deviations from reclassifications compared to a much higher standard for the reclassification records. The weighted-record analysis described by Sullivan et al (2007) is expected to reduce the magnitude, but not the pattern of changes in EBV among animals.

Ideally, the standard of comparison for reclassified cows should be specific to each management group (herd-round-classifier). Data are insufficient to estimate a separate standard for every group, but it may be possible to estimate different standards that are based on data characteristics of the management group. For example, the proportion of a herd that is reclassified is directly related to the amount of selection bias in the data for the herd. Therefore, an alternative to account for differential degrees of selection bias in different herds is to estimate different age curves for reclassified animals based on the proportion of records in the management group that were reclassifications.

The purpose of this study was to investigate the suitability of this and/or other types of models for data sets that include reclassifications.

Materials and Methods

Holstein data for the February 2007 official evaluation, plus all classifications and reclassifications after 1st lactation that were also available at the time of data extract were used. This included 234869, 152181 and 110097 classifications for Holstein, Ayrshire and Jersey, respectively. The following data and model combinations were considered, either as alternatives or as controls to compare against the alternatives:

- FF: First lactation, first classifications only (subset of official data); official evaluation model.
- OFFICIAL: All first lactation classifications and reclassifications (official data); official evaluation model (equal weights for all records).

- EARLIEST: OFFICIAL data for cows classified in 1st lactation, plus the first classification in a later lactation for cows that were not classified in 1st lactation. Later lactation classifications were only included if in round 48 or later (since July 1996) for coloured breeds and round 60 or later (since March 1998) for Holsteins. Later lactation classifications coded as a reclassification were not included.
- ALL: All classifications and reclassifications in any lactation; weighted-records model.
- ALL-R: All classifications and reclassifications in any lactation, weighted-records model; age curves by category of percent reclassifications in the contemporary group for later lactation reclassifications.

Model FF was required as a control for Interbull trend validation test I, OFFICIAL is the current official model, and the latter three are alternatives to the current model. Patterns of change in EBV for bulls and cows, age curve solutions and the results of Interbull trend validation tests were studied. Changes in approximate reliabilities for EARLIEST and ALL relative to OFFICIAL are in the companion report from this same meeting (Sullivan et al 2007), and would be identical between ALL and ALL-R.

Results and Discussion

- Trend Validation Tests

Results for Interbull trend validation test I are shown in Figures 1-3. This test determines if genetic trend estimates are significantly different when including multiple records per animal (OFFICIAL, EARLIEST, ALL or ALL-R) compared with a single record per animal (FF). All breeds easily passed this test for all of the models.

Results for Interbull trend validation test III are in Figures 4-5 for traits that require testing by Interbull, and in Figure 6 for some additional traits that do not require testing. After preliminary review of all results and discussions within the technical committee, bull proofs from model EARLIEST were submitted for the Interbull test run in March, to allow for possible implementation in May 2007. The ITB-Test results were the official test results that were submitted to Interbull along with the bull proofs. Apart from the ITB-Test results, all results for test III were based on preliminary tests within the type system, which do not consider official proof codes from the production system or international ID cross-reference files from Interbull. Differences among FF, EARLIEST and ALL reflect the expected differences for test III among the models, whereas differences between EARLIEST and ITB-Test reflect differences between preliminary and official results for test III. The differences between preliminary and official test results are due mostly to changes in the bulls included for the test, but are also affected by differences between the official proofs from February 2003 and proofs from model EARLIEST applied to current data with the most recent 4 years deleted. Test III is very sensitive to only small changes in the subset of bulls included, as was the case here.

The current official model (OFFICIAL) was not subjected to test III since it already passed the test last year and does not require re-testing this year. Results for Model ALL-R were excluded, but were very similar to model ALL. Test III determines if bull proofs change systematically as new daughter information is added into the system. In other words, do bulls adding new daughters change up or down on average relative to bulls that are not adding daughters? The direction and magnitude of systematic changes are estimated by a parameter that should not differ from 0, either statistically ($P < .05$) or practically (Interbull criterion is $.02\sigma_g$). Among the traits that require testing, the estimates that were most statistically different from zero were for Holstein Stature (Figure 4), but these differences were within the practical limits imposed by Interbull for the evaluations submitted to the test run (ITB-Test in Figure 5). For submission to Interbull, the result for Ayrshire Stature failed the test, but was close enough to passing that it may be treated as an exception. These results suggest that future changes to the type system could easily fail test III, even if the changes being considered do not cause any problems.

Considering some other traits that do not require testing, but may be of specific interest to breeders (Figure 6), overall Conformation and Feet & Legs would likely fail trend validation test III under all models. Test results were worse for Conformation and Mammary System when reclassifications were included, although Mammary System would likely either pass or come close to passing the test if it was required. The estimates of new daughter effects were negative for overall Conformation, Mammary System and Feet & Legs, which means that proofs for newly proven bulls systematically drop for these traits as new daughters of the bulls are classified, whether or not reclassifications are used for genetic evaluations. Research is needed to identify and correct these systematic biases that seem to be present in the type system, regardless of the data included.

- Percentage Reclassifications

Since 2000, the average percentage of records within a contemporary group (weighted by group size) that are reclassifications after 1st lactation have been 19, 23 and 28% for the Holstein, Ayrshire and Jersey breeds, respectively (Figure 7). Four categories of contemporary groups were defined, based on the percentage of records (X) that were reclassifications after 1st lactation as follows:

1. $0\% \leq X < 10\%$.
2. $10\% \leq X < 20\%$
3. $20\% \leq X < 30\%$
4. $30\% \leq X \leq 100\%$

Percentages of all cows that fell into these categories were; [27, 27, 26, 19] for Holstein, [21, 34, 31, 13] for Ayrshire and [11, 23, 30, 36] for Jersey. Percentages since 2000 were; [28, 27, 26, 19] for Holstein, [14, 22, 40, 12] for Ayrshire and [9, 19, 23, 49] for Jersey.

- Curves to Account for Age Effects

Age curves are currently fit separately by stage of lactation and time period for first lactation classifications. Beyond first lactation, age effects are confounded with systematic effects associated with reclassification. Age effects in later lactation were originally fit by stage of lactation, as with first lactation classifications. However, results for Conformation (Figure 8) suggested that differences between age curves for different stages were mostly noise, so the model was fit again by removing stage for later lactation classifications (Figure 9). In each of these figures, stage < 10 is the stage of lactation in months, the 100 series represents stages of lactation for 1st lactation reclasses, the 200 series for later lactation 1st classifications and the 300 series for later lactation reclasses. Solutions for age by percentage reclass categories of contemporary group are shown in Figure 10. Systematic shifts in age curves were evident, but not necessarily in the expected directions for all ages. Effects of percentage reclasses within group (301-601 for group types 1-4) were smaller than the general differences between 1st classifications and reclasses, but larger and much more systematic than stage effects.

Age solutions from Figure 9 were the ones used for model ALL in the present report, and from Figure 10 for model ALL-R. The maximum difference in EBV between ALL and ALL-R was 1 point, and 98% of both bulls and cows had the same EBV under either model. Because bull proofs and cow indexes were very similar between ALL and ALL-R, the remainder of the report will focus on results for model ALL, the simpler of the two models. There appeared to be no benefit of ALL-R over ALL in terms of EBV, regardless of the fact that age solutions were notably different between these two models. Model ALL-R could be re-investigated in the future if alternative models are considered that treat contemporary groups as random effects.

- Effects of Later Lactation Classifications Plus Reclassifications on Bull Proofs

Results are from the reports labeled as Model: ALL for HOLSTEIN BULLS. The range of bull proof changes was generally ± 1 for bulls first proven since 2000 and from -1 to +2 for bulls first proven before 2000 (1st report). The association between change in EBV and change in average daughter score was as expected, with bull proofs increasing more as change in average daughter score increased (2nd report). Bulls with higher percentages of reclassified daughters increased in EBV relative to bulls with few reclassified daughters, which means that young bulls are disadvantaged since their daughters have not yet had the opportunity to be reclassified (3rd report). Changes in LPI for the most recent groups of bulls were generally in the range -110 to +90, with a very slight tendency for newly proven bulls to drop relative to older bulls (4th report).

In summary, later lactation classifications and reclassifications had a positive effect on the proofs of sires with reclassified daughters, such that older bulls with more new data entering the system improved in EBV and LPI relative to newly proven bulls. These effects were small enough that they did not have serious consequences for Interbull trend validation tests, but were clearly systematic effects.

- Effects of Later Lactation Reclassifications on Cow Indexes

Comparisons are for cows that were already official in the current system, and therefore must have been classified in 1st lactation. Results are from reports labeled as Model: ALL for HOLSTEIN COWS. As with the bulls, a slight trend was seen that older cows improved relative to younger cows (1st report). Several reports show how indexes changed for cows that were not reclassified in 1st lactation, and were reclassified in later lactations 0, 1, 3, or 5 times. In most cases, distributions included both increases and decreases in EBV, and cows with greater increases in phenotypic scores had greater increases in EBV. However, there was a tendency that cows originally scored as Fair rarely increased in EBV, even if they had very large increases in phenotypic scores with reclassification. A very clear result was that cows with an EBV above 10 under the current model (OFFICIAL) almost always had a drop in EBV under model ALL, including cows without a reclassification, as well as cows reclassified 1 or more times. This may be related to changes in standardization factors, if variances of bull proofs are affected differently than variances of cow indexes, when including reclassification data. The range of changes in cow indexes was almost as wide for cows that were not reclassified as it was for the reclassified cows, approximately ± 5 .

- Effects of Adding Later Lactation First Classifications Only on Bull Proofs

Results are from the reports labeled as Model: EARLIEST for HOLSTEIN BULLS. These are the bull proofs that were submitted to the Interbull test run. Results were generally similar but of smaller magnitude compared with model ALL. The range of bull proof changes was ± 1 for bulls first proven since 1999, with a small but clear trend that older bulls improved relative to newly proven bulls when later lactation first classifications were added to the system (1st report). Bulls with higher average increases in daughter scores for conformation tended to have larger increases in EBV (2nd report). Changes in LPI for the most recent groups of bulls were generally in the range ± 80 , with a slight tendency for newly proven bulls to drop relative to older bulls (3rd report).

- Effects of Adding Later Lactation First Classifications Only on Cow Indexes

Comparisons are for cows that were already official in the current system, and therefore must have been classified in 1st lactation. Results are from reports labeled as Model: EARLIEST for HOLSTEIN COWS. All patterns of change were similar to model ALL, but that the magnitudes of changes were smaller.

- Changes to Top LPI Bull and Cow Lists

New top LPI lists for bulls and cows are included for Holstein, Ayrshire and Jersey, based on model EARLIEST submitted to the Interbull test run. Changes in LPI were too small to cause much re-ranking at the very top of each list, but LPI differences between animals are smaller as you go down the list, allowing some bull and cow rankings to change a bit more. The most noticeable changes, however, will be for high indexing

cows that previously did not qualify to be on the list at all, because they did not have an official index for Conformation.

Conclusions and Recommendations

For required traits, the Interbull trend validation test III results are not strongly affected by the inclusion of later lactation 1st classifications or reclassifications under the modeling options considered. Regardless of the data included, there were difficulties for Stature in the Holstein and Ayrshire breeds. Some important traits that do not require testing appear to be adversely affected if reclassification data are included, and would fail test III even if reclassifications are not included. Research should investigate possible causes and solutions for biases that cause proofs of young sires to drop systematically as they add new daughter classifications to their proof.

If any later lactation data are included, proofs for newly proven bulls will drop slightly relative to older bulls. If reclassifications are also included, indexes will decrease for most of the currently high-indexing cows and for cows that originally scored as Fair and are reclassified any number of times. Otherwise, bull proofs and cow indexes will generally have an equal chance of increasing or decreasing.

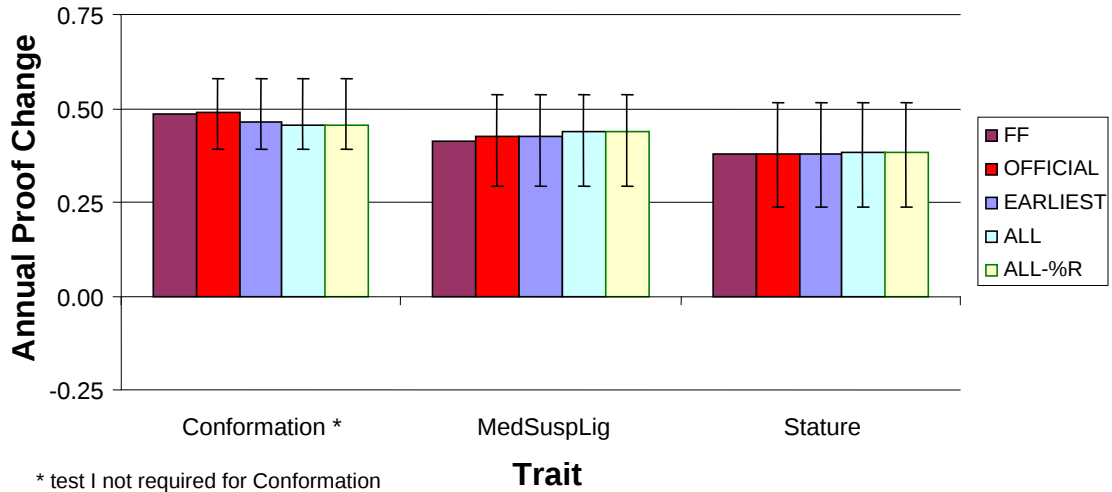
The ALL-R option affected age solutions but did not have a notable affect on bull or cow EBV. This may be because contemporary groups are fixed effects in the model. Options like ALL-R could be re-considered after further investigations on the treatment of contemporary groups as random effects.

Bull proofs from option EARLIEST were submitted to the Interbull test run at the beginning of March. This option could be implemented in Canada in May 2007.

References

- Sullivan, P., Kistemaker, G. and Huapaya, G. 2006a.** Including reclasses in conformation trait evaluations. Dairy Cattle Breeding and Genetics Committee Meeting, March.
- Sullivan, P., Kistemaker, G. and Van Doormaal, B. 2006b.** Including reclassifications after 1st lactation in genetic evaluations. Dairy Cattle Breeding and Genetics Committee Meeting, September.
- Sullivan, P., Kistemaker, G. and Van Doormaal, B. 2007.** Weighted analysis of type reclassifications. Dairy Cattle Breeding and Genetics Committee Meeting, February.

**Figure 1. Holstein Genetic Trend Estimates
(Error Bars indicate acceptable range, Interbull test I)**



**Figure 2. Ayrshire Genetic Trend Estimates
(Error Bars indicate acceptable range, Interbull test I)**

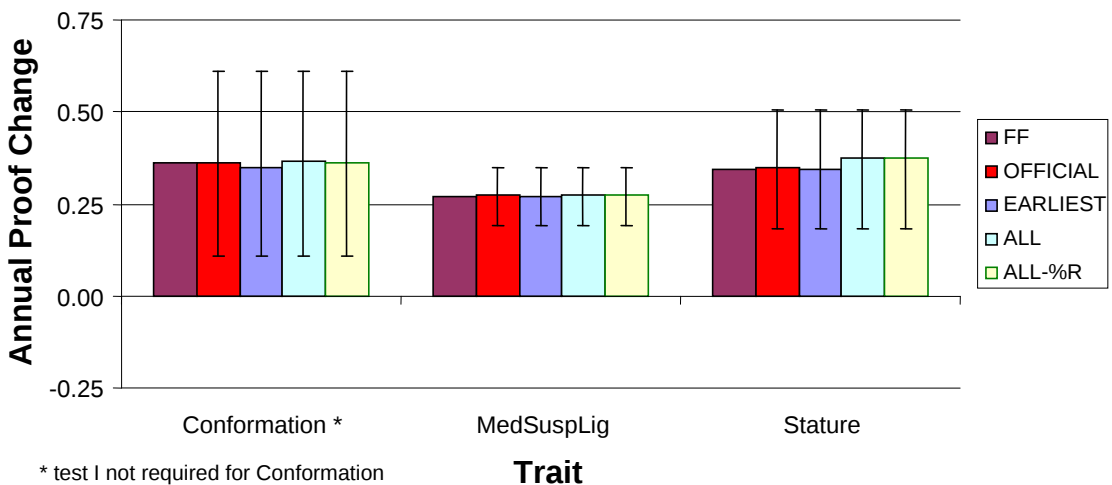


Figure 3. Jersey Genetic Trend Estimates
(Error Bars indicate acceptable range, Interbull test I)

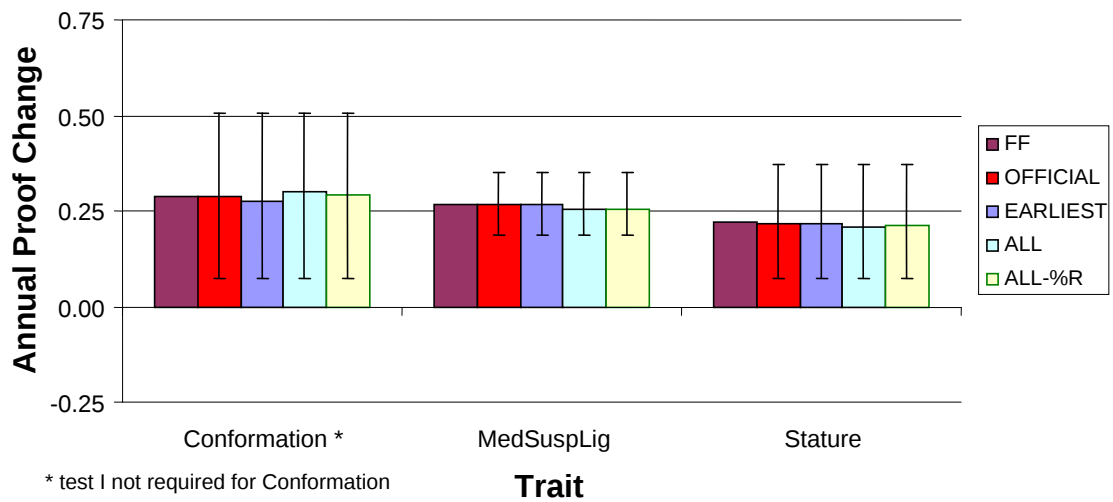
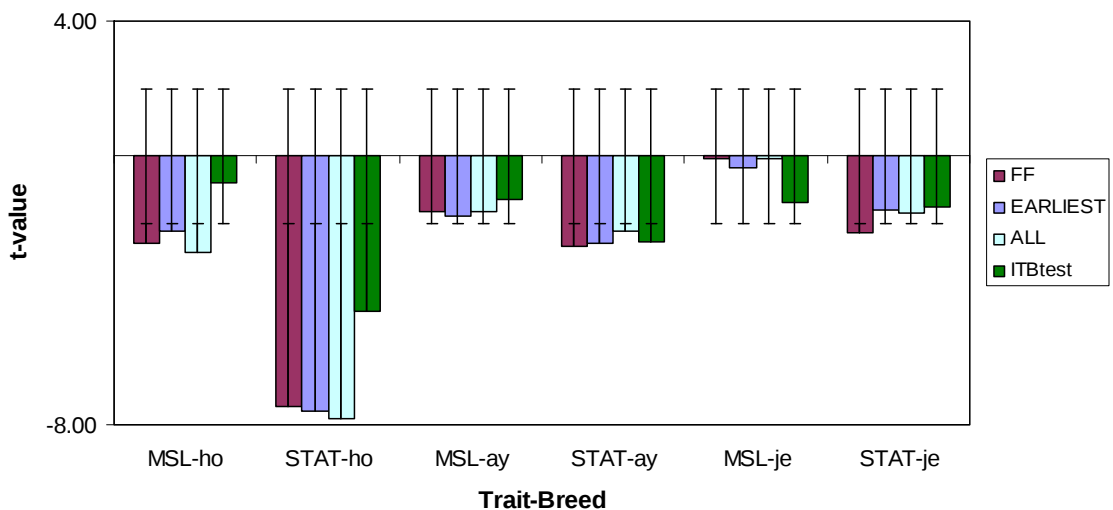
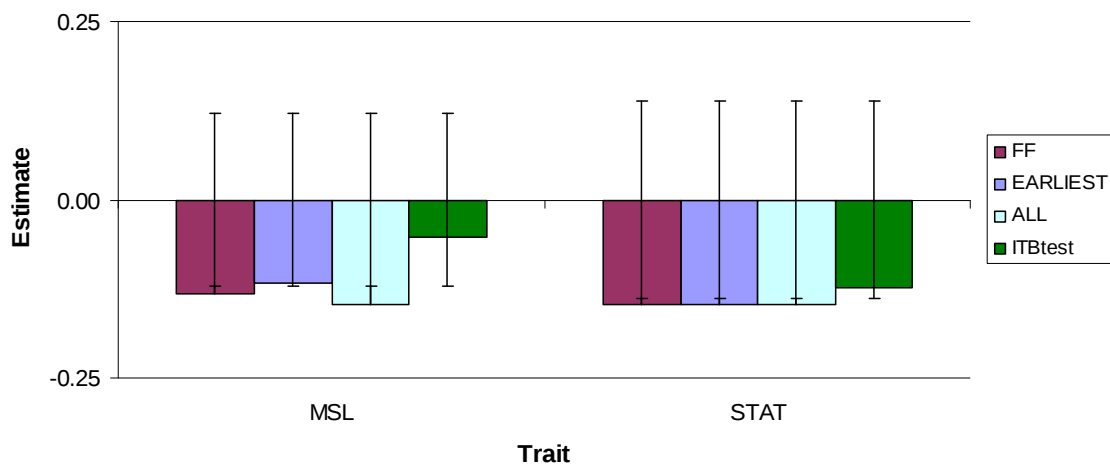


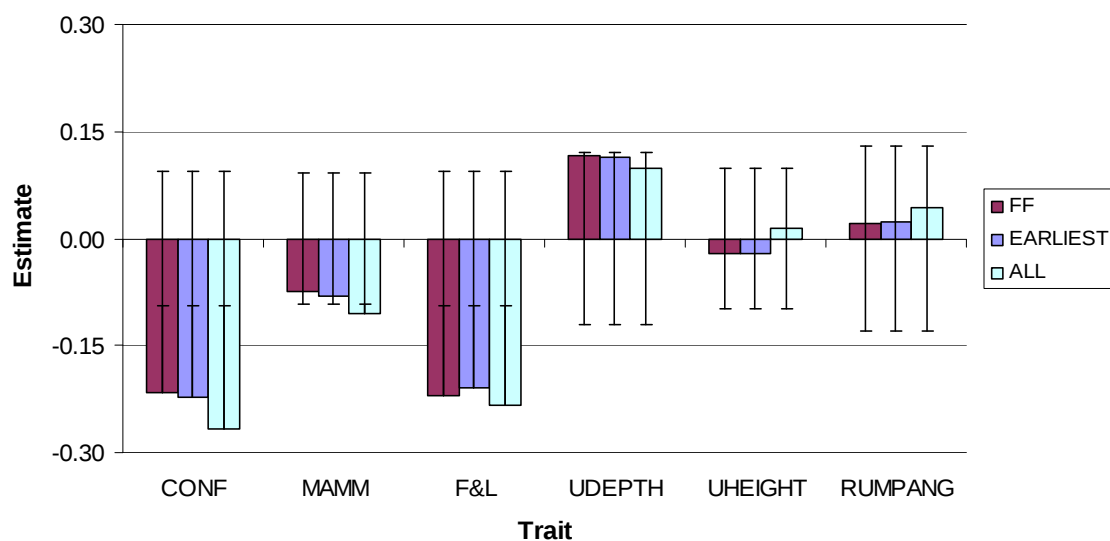
Figure 4. Significance test of new daughters' effect
(Error Bars show acceptable range, Interbull test III)

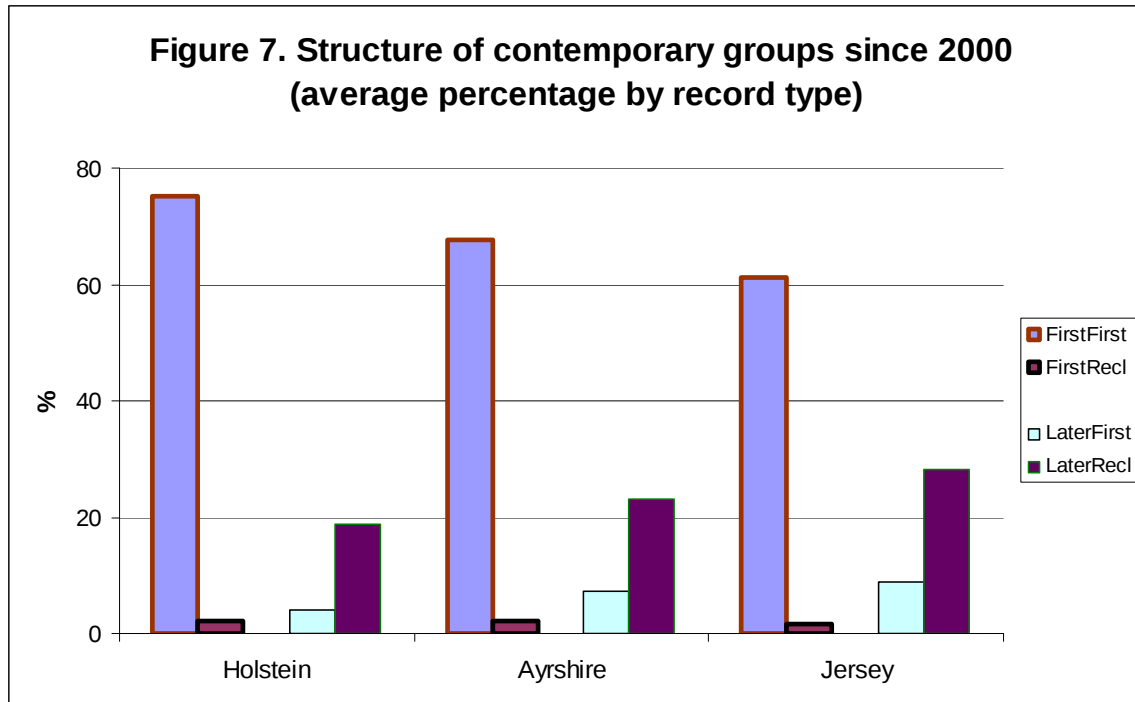


**Figure 5. Effect of new Holstein daughters
(Error Bars show acceptable range, Interbull test III)**



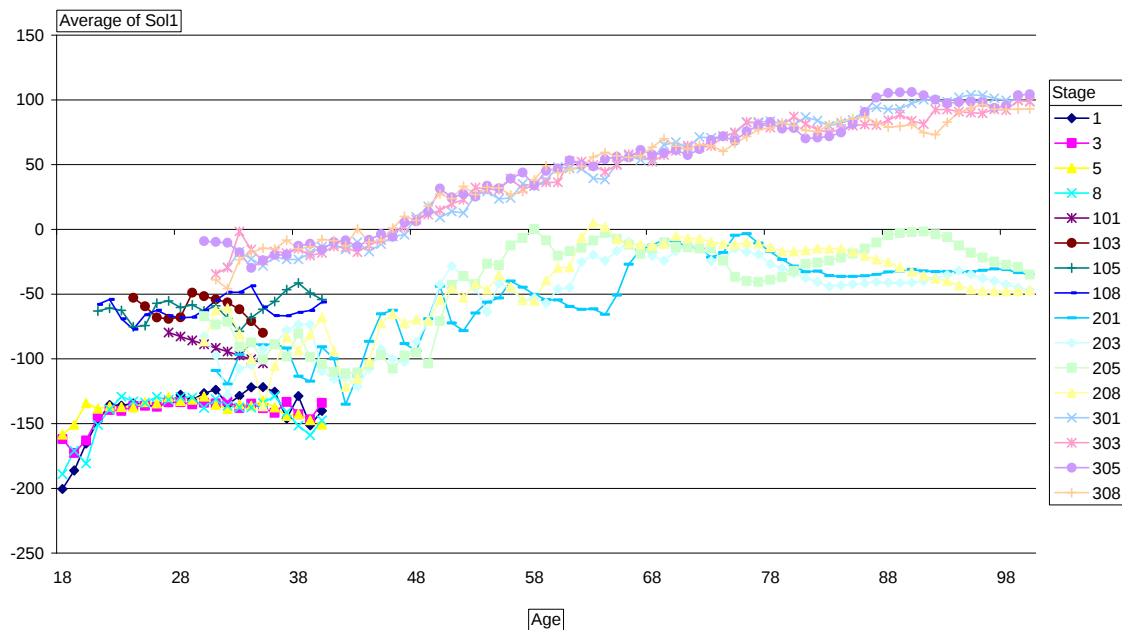
**Figure 6. Effect of new Holstein daughters for traits not tested by Interbull
(Error Bars show acceptable range, Interbull test III)**





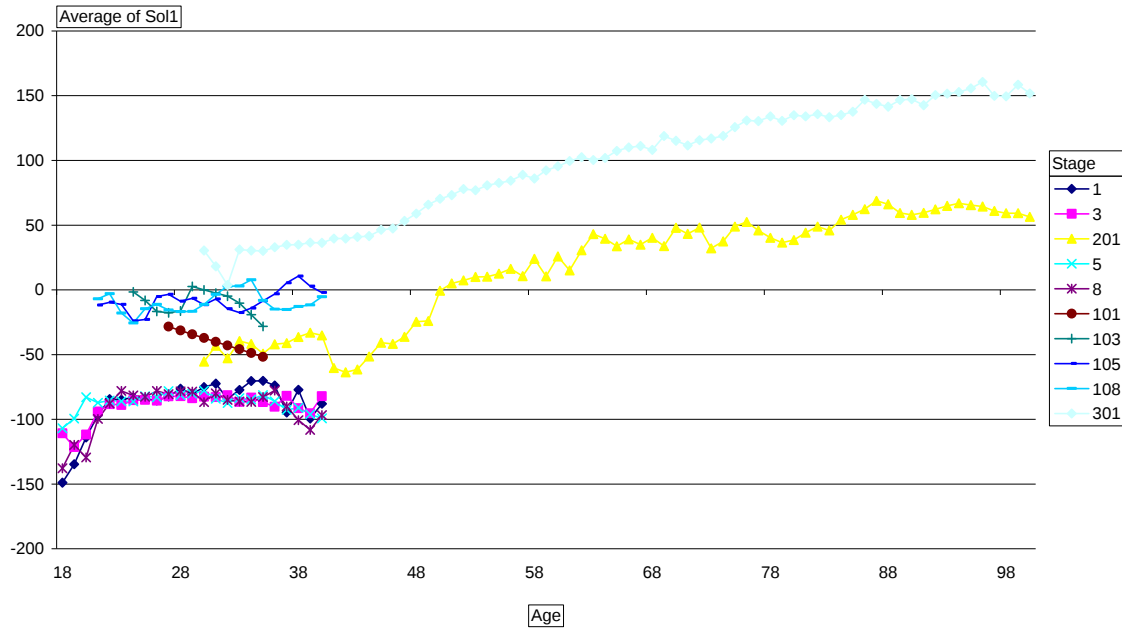
Trait|hoCONF|Time|7

**Figure 8. Holstein Age solutions for most recent time period (divide by 75 for proof scale)
Model=ALL.**



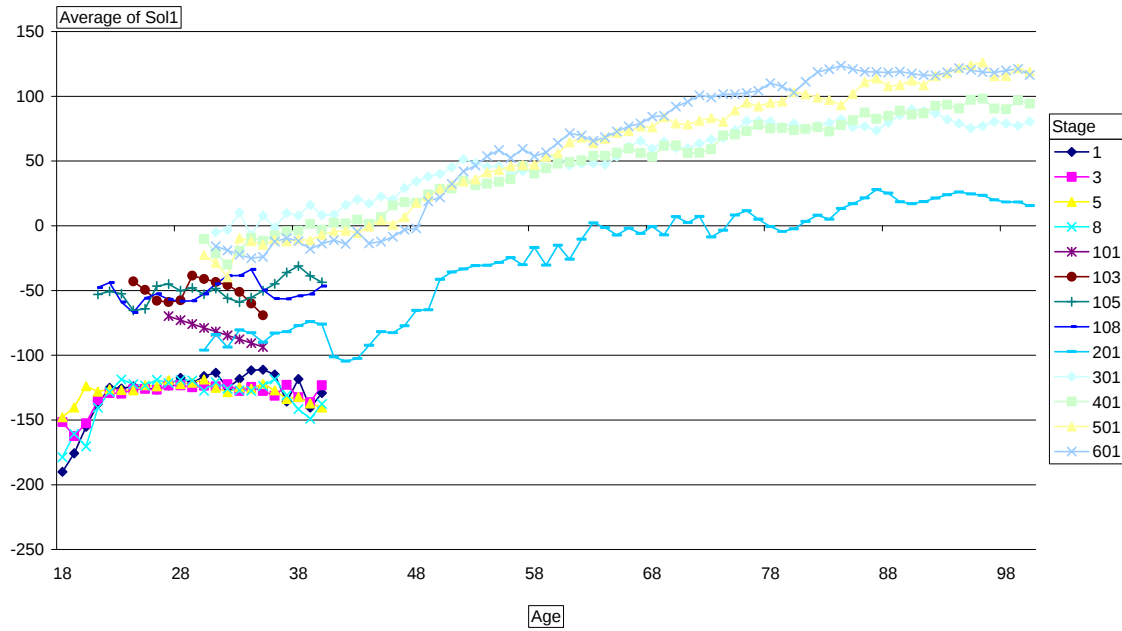
Trait|hoCONF|Time|7

Figure 9. Holstein Age solutions for most recent time period (divide by 75 for proof scale)
Model=ALL.



Trait|hoCONF|Time|7

Figure 10. Holstein Age solutions for most recent time period (divide by 75 for proof scale)
Model=ALL-R.



Model: ALL

HOLSTEIN BULLS

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MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY FIRST OFFICIAL PRODUCTION PROOF RUN
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00 RUMP 0.00

birthyear_ proofrun	number_ diff	low_ diff_ conf	avg_ diff_ conf	high_ diff_ conf	min -3	max 3
1900	55	0	0.53	2		
1980	18	-1	0.17	2		
1981	40	-3	0.28	2		
1982	28	-1	0.36	2		
1983	43	-1	0.40	1		
1984	47	-1	0.28	2		
1985	58	-1	0.47	2		
1986	57	-1	0.42	2		
1987	51	-2	0.22	2		
1988	242	-3	0.32	3		
1989	358	-2	0.33	3		
1990	371	-2	0.22	2		
1991	90	-1	0.19	2		
199607	251	-2	0.29	2		
199702	243	-1	0.17	2		
199705	148	-1	0.26	2		
199708	104	-2	0.09	2		
199711	104	-2	0.09	2		
199802	89	-1	0.18	3		
199805	138	-1	0.15	1		
199808	132	-1	0.16	2		
199811	115	-2	0.15	1		
199902	38	-1	0.26	2		
199905	132	-2	0.21	2		
199908	118	-1	0.22	2		
199911	85	-1	0.19	2		
200002	105	-1	0.17	2		
200005	140	-2	0.06	1		
200008	148	-1	0.01	2		
200011	95	-2	-0.05	1		
200102	127	-1	0.09	1		
200105	8	0	0.00	0		
200108	118	-1	0.05	2		
200111	95	-1	0.12	1		
200202	112	-2	0.03	2		
200205	115	-2	-0.03	1		
200208	111	-1	0.00	2		
200302	171	-1	-0.01	2		
200305	116	-1	-0.09	1		
200308	116	-1	-0.02	2		
200311	90	-1	-0.18	1		
200402	139	-1	0.02	1		
200405	115	-1	0.01	1		
200408	92	-2	-0.05	1		
200411	78	-2	-0.17	1		
200502	83	-1	-0.14	1		
200505	100	-2	-0.11	1		
200508	101	-1	-0.28	1		
200511	97	-1	-0.28	1		
200602	107	-2	-0.26	1		
200605	97	-1	-0.24	1		
200608	95	-2	-0.41	1		
200611	105	-1	-0.31	1		
999999	104	-1	-0.33	1		

HOLSTEIN BULLS

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d_average_final_score	number_diff	low_diff_conf	avg_diff_conf	high_diff_conf	min	max
-0.25	2	-1	-0.50	0	-3	3
0.00	556	-3	-0.36	1	1	1
0.25	627	-2	-0.20	1	1	1
0.50	1378	-2	-0.02	2	1	1
0.75	1084	-3	0.11	2	1	1
1.00	1324	-2	0.26	3	1	1
1.25	488	-2	0.33	3	1	1
1.50	362	-2	0.34	3	1	1
1.75	117	-1	0.38	2	1	1
2.00	88	-1	0.61	2	1	1
2.25	25	-1	0.40	2	1	1
2.50	26	0	0.65	2	1	1
2.75	10	0	0.70	2	1	1
3.00	12	0	0.50	2	1	1
3.25	10	-1	0.30	2	1	1
3.50	8	0	0.50	1	1	1
3.75	4	0	0.75	2	1	1
4.00	6	0	0.67	2	1	1
4.25	3	-1	0.00	1	1	1
4.50	1	-1	-1.00	-1	1	1
4.75	2	0	0.50	1	1	1
5.25	1	0	0.00	0	1	1
5.50	1	0	0.00	0	1	1

HOLSTEIN BULLS

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PERCENT RECLASS	number diff	low diff conf	avg diff conf	high diff conf	min -3	max 3
0	247	-1	-0.35	1		
1	82	-2	-0.39	1		
2	139	-2	-0.23	1		
3	135	-2	-0.28	1		
4	152	-3	-0.20	1		
5	163	-1	-0.12	2		
6	166	-2	-0.03	2		
7	164	-2	0.01	2		
8	221	-2	-0.04	2		
9	221	-3	-0.03	2		
10	684	-2	0.06	3		
15	1257	-2	0.14	3		
20	1037	-2	0.22	3		
25	691	-2	0.20	2		
30	379	-2	0.25	2		
35	190	-1	0.21	2		
40	113	-1	0.35	2		
45	46	-1	0.35	2		
50	34	-1	0.15	1		
55	13	-2	0.15	1		
60	4	-2	-0.50	0		
65	5	0	0.60	1		
75	1	-1	-1.00	-1		

Model: ALL

HOLSTEIN BULLS

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MINIMUM, AVERAGE AND MAXIMUM CHANGE IN LPI AS PUBLISHED BY FIRST OFFICIAL PRODUCTION PROOF RUN
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

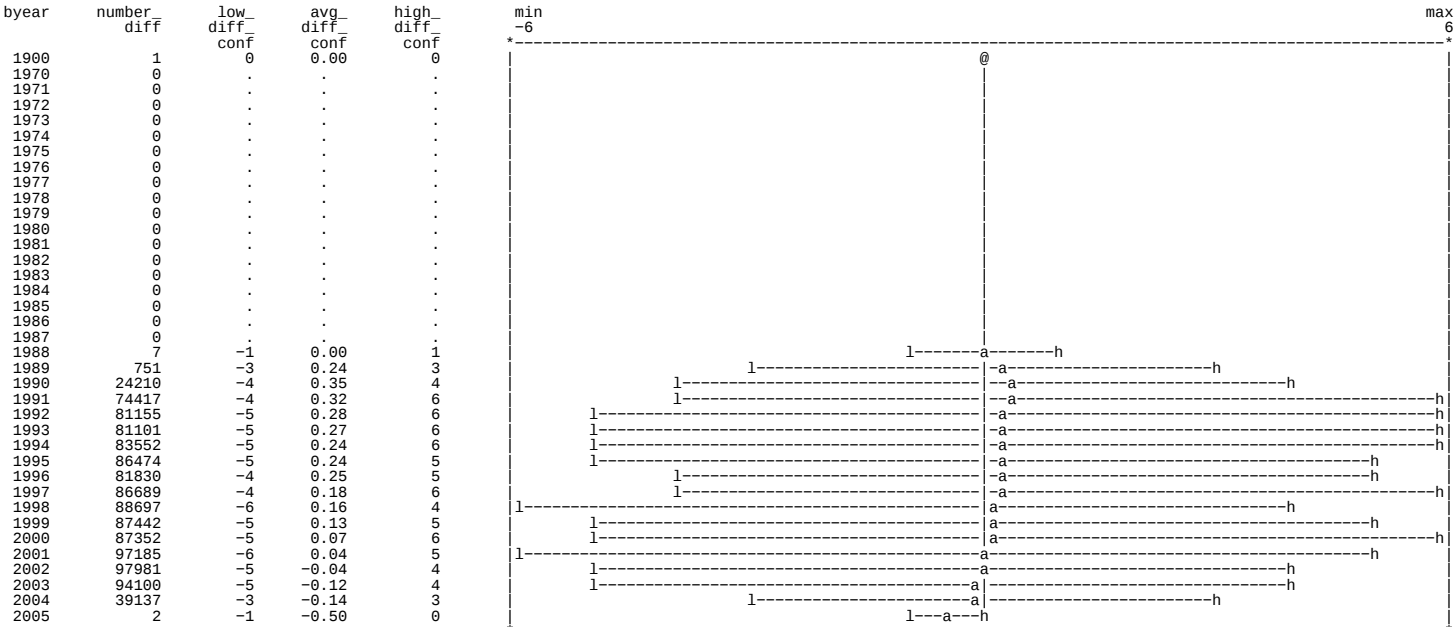
birthyear_ proofrun	number_ diff	low_ diff_ lpi	avg_ diff_ lpi	high_ diff_ lpi	min -179	max 165
1900	55	-72	20.64	113		
1980	18	-87	-3.22	82		
1981	40	-113	4.65	67		
1982	28	-51	14.93	93		
1983	43	-144	9.07	102		
1984	47	-86	10.83	98		
1985	58	-108	16.10	134		
1986	57	-72	26.02	133		
1987	51	-133	4.90	137		
1988	242	-179	10.51	165		
1989	358	-164	15.20	159		
1990	371	-159	9.53	123		
1991	90	-113	11.61	124		
199607	251	-143	10.42	154		
199702	243	-118	1.72	113		
199705	148	-88	12.53	123		
199708	104	-123	1.25	149		
199711	104	-103	2.52	87		
199802	89	-108	3.01	144		
199805	138	-118	0.10	92		
199808	132	-108	4.39	113		
199811	115	-103	2.27	92		
199902	38	-72	2.79	88		
199905	132	-108	8.08	123		
199908	118	-113	9.83	103		
199911	85	-87	9.22	164		
200002	105	-108	0.91	113		
200005	140	-102	-4.33	92		
200008	148	-102	-3.83	129		
200011	95	-92	-8.99	77		
200102	127	-77	0.11	87		
200105	8	-72	7.13	47		
200108	118	-87	2.75	108		
200111	95	-87	7.12	108		
200202	112	-82	-0.54	87		
200205	115	-113	-0.91	113		
200208	111	-87	-0.13	103		
200302	171	-118	-7.52	107		
200305	116	-83	-9.42	113		
200308	116	-98	0.65	113		
200311	90	-102	-9.04	82		
200402	139	-113	0.55	113		
200405	115	-113	-0.02	92		
200408	92	-93	4.01	108		
200411	78	-102	-13.36	67		
200502	83	-82	-5.01	87		
200505	100	-113	-8.89	87		
200508	101	-108	-11.04	77		
200511	97	-83	-12.86	87		
200602	107	-113	-17.32	82		
200605	97	-97	-12.57	42		
200608	95	-72	-16.63	56		
200611	105	-82	-18.97	52		
999999	104	-82	-18.86	76		

Model: ALL

HOLSTEIN COWS

HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 17



Model: ALL

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY CHANGE IN FINAL SCORE WITHIN CLASS
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 86

D_NUMBER_OF_CLASSIFICATIONS=0

D_FINAL_SCORE		number	low_diff	avg_diff	high_diff	min		max
BYCLASS		diff	conf	conf	conf	-10		10
F	0	23501	-4	-0.36	2		1-----a- -----h	
G	0	429342	-5	0.15	4		1-----a-----h	
GP	0	441014	-4	0.18	4		1-----a-----h	
VG	0	11279	-4	-0.70	3		1-----a- -----h	

Model: ALL

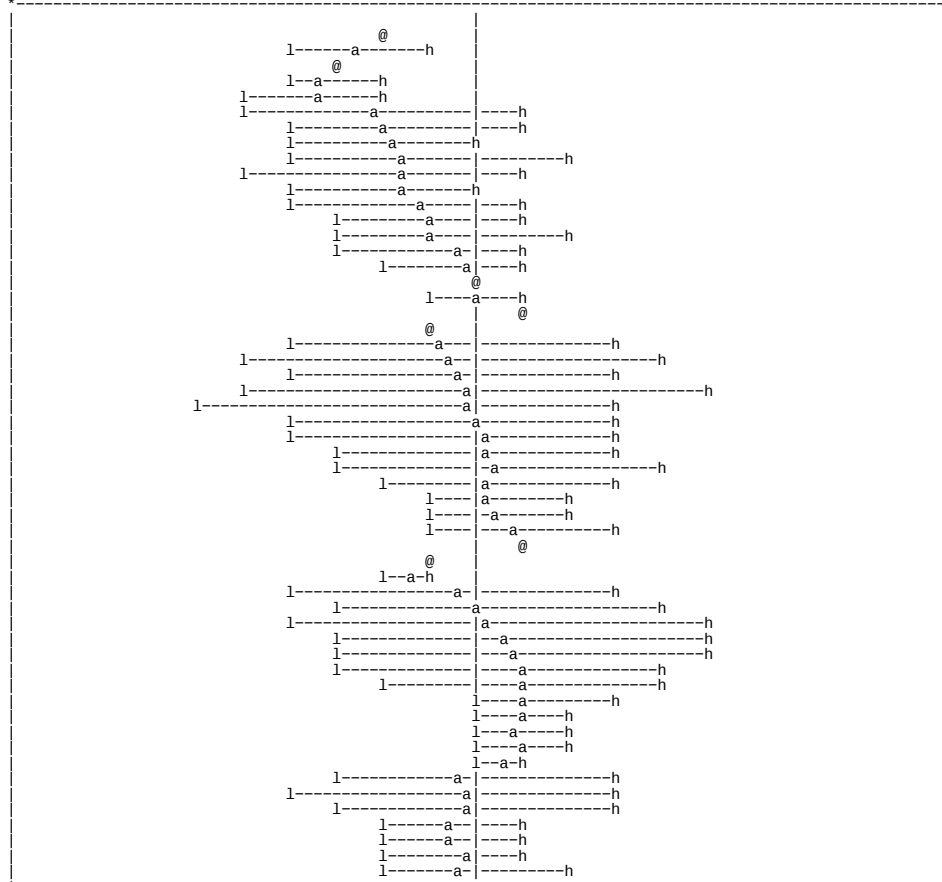
HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY CHANGE IN FINAL SCORE WITHIN CLASS
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 ~ BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 87

D_NUMBER_OF_CLASSIFICATIONS=1

D_FINAL_ SCORE BYCLASS	number diff	low_ diff_ conf	avg_ diff_ conf	high_ diff_ conf	min -10	max 10
.	0	.	.	.	.	.
F	1	-2	-2.00	-2	.	.
F	2	3	-2.67	-1	-1	-1
F	3	2	-3.00	-3	-3	-3
F	4	7	-3.43	-2	-2	-2
F	5	10	-3.40	-2	-2	-2
F	6	75	-2.25	1	1	1
F	7	120	-2.02	1	1	1
F	8	167	-1.83	0	0	0
F	9	192	-1.64	2	2	2
F	10	130	-1.59	1	1	1
F	11	152	-1.66	0	0	0
F	12	101	-1.19	1	1	1
F	13	60	-1.02	1	1	1
F	14	39	-1.05	2	2	2
F	15	15	-0.47	1	1	1
F	16	12	-0.25	1	1	1
F	17	3	0.00	0	0	0
F	18	5	-1.00	1	1	1
F	21	1	1.00	1	1	1
G	0	2	-1.00	-1	-1	-1
G	1	2867	-0.75	3	3	3
G	2	13071	-0.57	4	4	4
G	3	19353	-0.37	3	3	3
G	4	16866	-0.21	5	5	5
G	5	11681	-0.12	3	3	3
G	6	5509	0.01	3	3	3
G	7	2642	0.19	3	3	3
G	8	1219	0.27	3	3	3
G	9	433	0.31	4	4	4
G	10	221	0.16	3	3	3
G	11	62	0.26	2	2	2
G	12	26	0.35	2	2	2
G	13	9	0.78	3	3	3
G	14	2	1.00	1	1	1
G	15	1	-1.00	-1	-1	-1
GP	0	3	-1.33	-1	-1	-1
GP	1	6959	-0.43	3	3	3
GP	2	27667	-0.02	4	4	4
GP	3	33672	0.28	5	5	5
GP	4	25344	0.57	5	5	5
GP	5	17116	0.74	5	5	5
GP	6	3382	0.96	4	4	4
GP	7	454	1.04	4	4	4
GP	8	61	0.97	3	3	3
GP	9	10	0.90	2	2	2
GP	10	8	0.75	2	2	2
GP	11	7	1.00	2	2	2
GP	12	6	0.67	1	1	1
VG	1	1663	-0.34	3	3	3
VG	2	2159	-0.23	3	3	3
VG	3	450	-0.19	3	3	3
VG	4	47	-0.57	1	1	1
VG	5	40	-0.55	1	1	1
VG	6	40	-0.18	1	1	1
VG	7	32	-0.34	2	2	2



Model: ALL

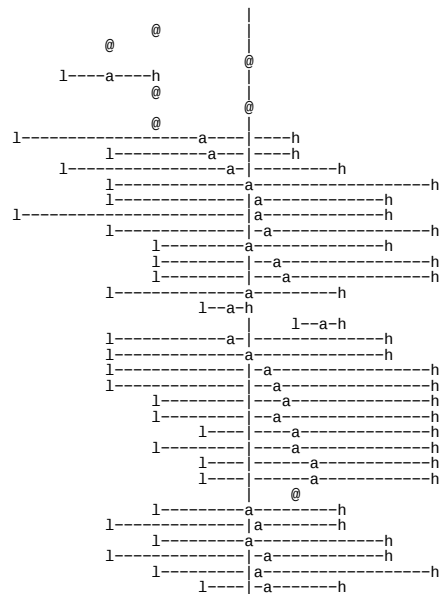
HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY CHANGE IN FINAL SCORE WITHIN CLASS
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 ~ BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 89

D_NUMBER_OF_CLASSIFICATIONS=3

D_FINAL_ SCORE_ BYCLASS	number diff	low_ diff_ conf	avg_ diff_ conf	high_ diff_ conf	min -10	max 10
F	.	0	.	.	.	.
F	13	1	-2	-2.00	-2	-2
F	15	1	-3	-3.00	-3	-3
F	16	1	0	0.00	0	0
F	18	2	-4	-3.00	-2	-2
F	19	1	-2	-2.00	-2	-2
F	21	1	0	0.00	0	0
G	4	1	-2	-2.00	-2	-2
G	5	12	-5	-1.00	1	1
G	6	74	-3	-0.73	1	1
G	7	294	-4	-0.44	2	2
G	8	298	-3	-0.02	4	4
G	9	293	-3	0.24	3	3
G	10	209	-5	0.29	3	3
G	11	66	-3	0.45	4	4
G	12	39	-2	-0.05	3	3
G	13	22	-2	0.50	4	4
G	14	18	-2	0.83	4	4
G	15	12	-3	0.00	2	2
G	16	2	-1	-0.50	0	0
G	17	2	1	1.50	2	2
GP	3	84	-3	-0.33	3	3
GP	4	466	-3	-0.04	3	3
GP	5	1002	-3	0.30	4	4
GP	6	1222	-3	0.57	4	4
GP	7	879	-2	0.74	4	4
GP	8	704	-2	0.68	4	4
GP	9	442	-1	0.91	4	4
GP	10	343	-2	0.97	4	4
GP	11	193	-1	1.34	4	4
GP	12	87	-1	1.36	4	4
VG	1	1	1	1.00	1	1
VG	3	65	-2	-0.08	2	2
VG	4	35	-3	0.11	2	2
VG	5	101	-2	0.01	3	3
VG	6	161	-3	0.31	3	3
VG	7	284	-2	0.28	4	4
VG	8	6	-1	0.33	2	2



Model: ALL

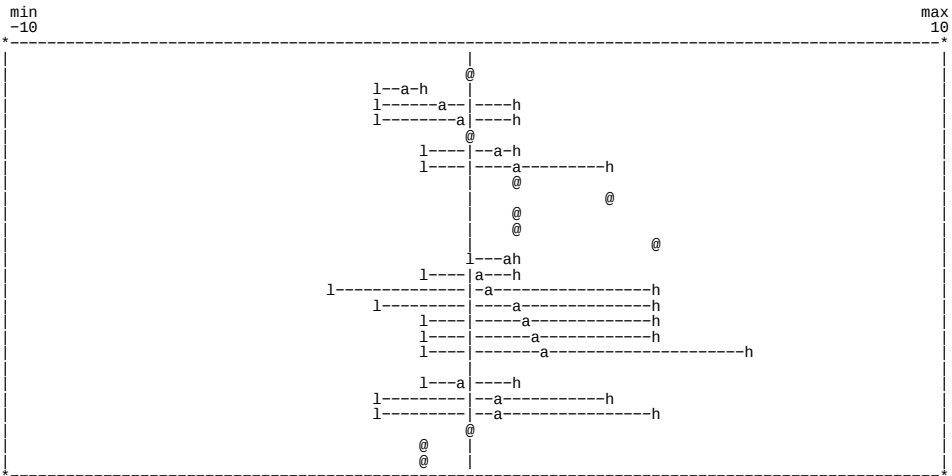
HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY CHANGE IN FINAL SCORE WITHIN CLASS
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 91

D_NUMBER_OF_CLASSIFICATIONS=5

D_FINAL_SCORE_BYCLASS		number_diff	low_diff_conf	avg_diff_conf	high_diff_conf
G	.	0	.	.	.
G	8	2	-2	-1.50	-1
G	9	2	-2	-0.60	1
G	10	5	-2	-0.20	1
G	11	5	-2	-0.20	1
G	12	3	0	0.00	0
G	13	4	-1	0.50	1
G	14	11	-1	0.91	3
G	15	1	1	1.00	1
G	16	1	3	3.00	3
G	18	1	1	1.00	1
G	21	1	1	1.00	1
GP	5	1	4	4.00	4
GP	6	4	0	0.75	1
GP	7	11	-1	0.18	1
GP	8	167	-3	0.40	4
GP	9	165	-2	0.92	4
GP	10	158	-1	1.15	4
GP	11	92	-1	1.39	4
GP	12	54	-1	1.65	6
VG	4	0	.	.	.
VG	5	4	-1	-0.25	1
VG	6	40	-2	0.53	3
VG	7	92	-2	0.54	4
VG	8	2	0	0.00	0
VG	9	2	-1	-1.00	-1
VG	11	1	-1	-1.00	-1



Model: ALL

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY OLD EBV
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 118

D_NUMBER_OF_CLASSIFICATIONS=0

O_ EBV_ CONFORMATION	number diff	low_ diff_ conf	avg_ diff_ conf	high_ diff_ conf	min -10	max 10
.	0	.	.	.	*	*
-19	3	-2	-0.67	0	1-----a--h	
-18	11	-1	-0.27	2	1-----a-----h	
-17	19	-1	-0.26	1	1-----a-----h	
-16	55	-2	-0.16	2	1-----a-----h	
-15	155	-2	-0.14	4	1-----a-----h	
-14	387	-3	-0.14	2	1-----a-----h	
-13	896	-3	-0.03	3	1-----a-----h	
-12	1781	-3	-0.02	3	1-----a-----h	
-11	3567	-3	0.04	3	1-----a-----h	
-10	6341	-4	0.08	3	1-----a-----h	
-9	10745	-4	0.13	4	1-----a-----h	
-8	16914	-3	0.17	3	1-----a-----h	
-7	25788	-4	0.24	3	1-----a-----h	
-6	34987	-4	0.27	4	1-----a-----h	
-5	45741	-4	0.28	4	1-----a-----h	
-4	55962	-3	0.28	3	1-----a-----h	
-3	66326	-3	0.29	4	1-----a-----h	
-2	72838	-4	0.28	4	1-----a-----h	
-1	77356	-4	0.25	4	1-----a-----h	
0	78604	-4	0.22	3	1-----a-----h	
1	76922	-4	0.19	3	1-----a-----h	
2	70571	-4	0.15	4	1-----a-----h	
3	61630	-4	0.10	4	1-----a-----h	
4	52653	-4	0.04	3	1-----a-----h	
5	41544	-4	-0.03	3	1-----a-----h	
6	32323	-5	-0.10	3	1-----a-----h	
7	24330	-4	-0.17	3	1-----a-----h	
8	17491	-4	-0.27	3	1-----a-----h	
9	11859	-3	-0.37	2	1-----a-----h	
10	7706	-3	-0.50	2	1-----a-----h	
11	4713	-3	-0.65	1	1-----a-----h	
12	2633	-3	-0.80	1	1-----a-----h	
13	1249	-3	-0.98	1	1-----a-----h	
14	633	-4	-1.17	1	1-----a-----h	
15	252	-4	-1.42	0	1-----a-----h	
16	104	-3	-1.54	0	1-----a-----h	
17	33	-3	-1.79	-1	1-----a-----h	
18	11	-2	-1.55	-1	1-----a-----h	
19	1	-2	-2.00	-2	1-----a-----h	
20	2	-3	-2.50	-2	1-----a-----h	

Model: ALL

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY OLD EBV
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 119

D_NUMBER_OF_CLASSIFICATIONS=1

O_	number	low	avg	high	min		max
EBV_	diff	diff	diff	diff	-10		10
CONFORMATION		conf	conf	conf			
.	0	.	.	.	*		*
-18	1	-4	-4.00	-4		@	
-16	6	-4	-1.00	0		1-----a-----h	
-15	15	-2	-0.47	1		1-----a-----h	
-14	37	-3	-0.73	2		1-----a-----h	
-13	58	-4	-0.62	3		1-----a-----h	
-12	143	-3	-0.52	3		1-----a-----h	
-11	326	-4	-0.42	5		1-----a-----h	
-10	615	-3	-0.21	4		1-----a-----h	
-9	1225	-5	-0.20	3		1-----a-----h	
-8	2172	-4	-0.12	4		1-----a-----h	
-7	3468	-4	0.02	4		1-----a-----h	
-6	5210	-5	0.10	5		1-----a-----h	
-5	7501	-4	0.12	5		1-----a-----h	
-4	9945	-4	0.14	4		1-----a-----h	
-3	12357	-4	0.19	4		1-----a-----h	
-2	14524	-5	0.21	5		1-----a-----h	
-1	16489	-5	0.21	4		1-----a-----h	
0	17473	-4	0.18	5		1-----a-----h	
1	17937	-5	0.17	4		1-----a-----h	
2	17320	-4	0.17	4		1-----a-----h	
3	15854	-4	0.09	5		1-----a-----h	
4	13921	-4	0.04	4		1-----a-----h	
5	11112	-4	-0.06	3		1-----a-----h	
6	8716	-6	-0.13	3		1-----a-----h	
7	6351	-4	-0.25	3		1-----a-----h	
8	4565	-4	-0.33	3		1-----a-----h	
9	3016	-4	-0.47	3		1-----a-----h	
10	1811	-4	-0.58	3		1-----a-----h	
11	1029	-3	-0.72	2		1-----a-----h	
12	553	-3	-0.76	1		1-----a-----h	
13	260	-3	-0.98	1		1-----a-----h	
14	108	-3	-1.11	1		1-----a-----h	
15	43	-3	-1.33	0		1-----a-----h	
16	10	-3	-1.30	1		1-----a-----h	
17	3	-2	-1.33	-1		1-----a-----h	
18	4	-3	-2.00	-1		1-----a-----h	
19	1	-2	-2.00	-2		@	

Model: ALL

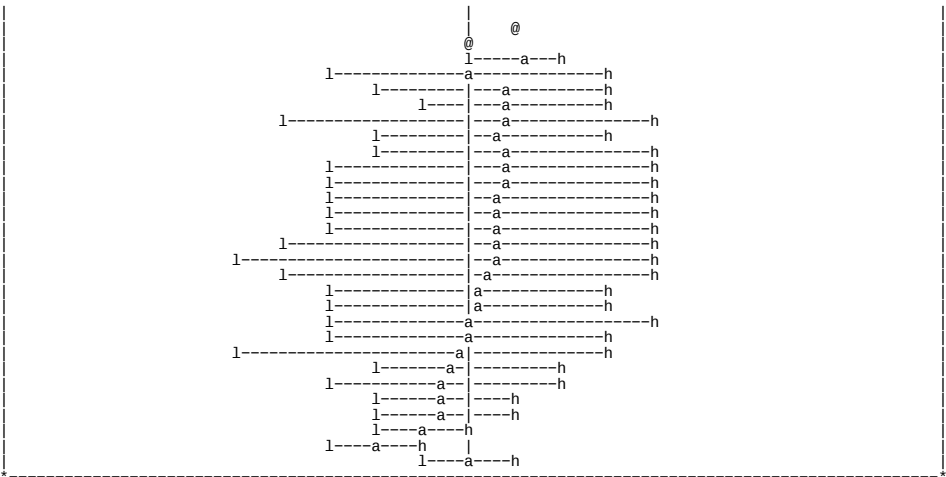
HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY OLD EBV
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 121

D_NUMBER_OF_CLASSIFICATIONS=3

O_	number	low	avg	high	min	max
EBV_	diff	diff	diff	diff	-10	10
CONFORMATION		conf	conf	conf		
.	0	.	.	.		
-16	1	1	1.00	1		
-15	1	0	0.00	0		
-10	7	0	1.14	2		
-9	12	-3	0.08	3		
-8	23	-2	0.74	3		
-7	44	-1	0.82	3		
-6	67	-4	0.73	4		
-5	123	-2	0.64	3		
-4	196	-2	0.70	4		
-3	256	-3	0.71	4		
-2	391	-3	0.76	4		
-1	456	-3	0.62	4		
0	623	-3	0.68	4		
1	708	-3	0.66	4		
2	789	-4	0.55	4		
3	750	-5	0.53	4		
4	743	-4	0.41	4		
5	620	-3	0.27	3		
6	527	-3	0.14	3		
7	424	-3	0.07	4		
8	287	-3	0.07	3		
9	171	-5	-0.16	3		
10	108	-2	-0.31	2		
11	51	-3	-0.57	2		
12	24	-2	-0.63	1		
13	14	-2	-0.64	1		
14	4	-2	-1.00	0		
15	2	-3	-2.00	-1		
16	2	-1	0.00	1		



Model: ALL

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY OLD EBV
HOLSTEIN - FEBRUARY 2007 _Dall_AA VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

10:12 Sunday, February 18, 2007 123

D_NUMBER_OF_CLASSIFICATIONS=5

O_ EBV_ CONFORMATION	number diff	low_ diff_ conf	avg_ diff_ conf	high_ diff_ conf	min -10	max 10
.	0	.	.	.	*	*
-8	1	3	3.00	3		
-7	3	1	1.33	2		
-5	7	0	1.43	3		
-4	11	1	2.73	6		
-3	14	0	1.64	3		
-2	28	-1	1.68	4		
-1	39	0	1.67	4		
0	51	0	1.61	3		
1	90	-2	1.18	4		
2	78	-2	0.88	3		
3	99	-2	0.97	4		
4	123	-2	0.86	4		
5	93	-2	0.38	3		
6	68	-2	0.41	4		
7	48	-2	0.31	3		
8	35	-2	-0.06	2		
9	18	-2	-0.33	2		
10	7	-1	0.00	1		
11	8	-3	-0.38	1		
12	5	-1	-0.40	0		
13	2	-2	-1.00	0		
14	1	-1	-1.00	-1		

Diagram illustrating the distribution of conformation scores (EBV) for Holstein cows, showing the relationship between the number of cows (number diff) and the change in conformation (low diff, avg diff, high diff) relative to the minimum (min -10) and maximum (max 10) values.

Model: EARLIEST

HOLSTEIN BULLS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY FIRST OFFICIAL PRODUCTION PROOF RUN
HOLSTEIN - FEBRUARY 2007_Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00 RUMP 0.00

10

birthyear_ proofrun	number_ diff	low_ diff_ conf	avg_ diff_ conf	high_ diff_ conf	min -2	max 2
1900	55	0	0.35	1		
1980	18	0	0.22	1		
1981	40	0	0.40	1		
1982	28	-1	0.32	1		
1983	43	0	0.26	1		
1984	47	0	0.23	1		
1985	58	-1	0.33	1		
1986	57	0	0.21	1		
1987	51	-1	0.25	1		
1988	242	-1	0.33	1		
1989	358	-1	0.22	1		
1990	371	-1	0.20	1		
1991	90	-1	0.21	1		
199607	251	-1	0.25	1		
199702	243	-1	0.11	1		
199705	148	-1	0.23	2		
199708	104	-1	0.14	2		
199711	104	-1	0.13	2		
199802	89	-1	0.10	2		
199805	138	-1	0.21	1		
199808	132	-1	0.14	2		
199811	115	-1	0.11	1		
199902	38	-1	0.08	1		
199905	132	-2	0.02	1		
199908	118	-1	0.08	1		
199911	85	-1	0.11	1		
200002	105	-1	0.16	2		
200005	140	-1	0.06	1		
200008	148	-1	0.04	1		
200011	95	-1	0.06	1		
200102	127	-1	0.09	1		
200105	8	0	0.00	0		
200108	118	-1	0.04	1		
200111	95	-1	0.04	1		
200202	112	-1	-0.07	1		
200205	115	-1	-0.07	1		
200208	111	-1	0.02	1		
200302	171	-1	0.06	1		
200305	116	-1	-0.06	1		
200308	116	-1	-0.07	1		
200311	90	-2	-0.18	1		
200402	139	-1	-0.06	1		
200405	115	-1	-0.10	1		
200408	92	-1	-0.13	1		
200411	78	-1	-0.10	1		
200502	83	-1	-0.13	1		
200505	100	-2	-0.13	1		
200508	101	-1	-0.14	1		
200511	97	-1	-0.18	1		
200602	107	-2	-0.16	1		
200605	97	-1	-0.14	1		
200608	95	-1	-0.32	1		
200611	105	-1	-0.22	1		
999999	104	-1	-0.32	1		

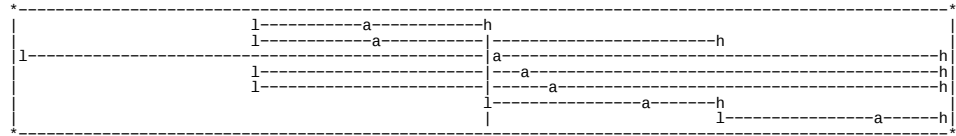
Model: EARLIEST

HOLSTEIN BULLS

16

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY CHANGE IN AVERAGE DAUGHTER SCORE
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00 RUMP 0.00

d_average_	number_	low_	avg_	high_	min		max
final_	diff	diff	diff	diff	-2		2
score		conf	conf	conf			
-0.50	2	-1	-0.50	0			
-0.25	17	-1	-0.47	1			
0.00	4540	-2	0.04	2			
0.25	1436	-1	0.15	2			
0.50	134	-1	0.29	2			
0.75	3	0	0.67	1			
1.00	3	1	1.67	2			



Model: EARLIEST

HOLSTEIN BULLS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN LPI AS PUBLISHED BY FIRST OFFICIAL PRODUCTION PROOF RUN
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

53

birthyear_	number_	low_	avg_	high_	min_		max_
proofrun	diff	diff_	diff_	diff_	-102		134
		lpi	lpi	lpi	*		*
1900	55	-30	18.25	72			
1980	18	-31	12.22	72			
1981	40	0	18.15	72			
1982	28	-46	22.43	72			
1983	43	-30	17.67	72			
1984	47	-20	15.34	72			
1985	58	-10	17.84	72			
1986	57	-31	16.68	83			
1987	51	-31	13.22	72			
1988	242	-41	15.43	82			
1989	358	-52	13.12	82			
1990	371	-77	10.57	83			
1991	90	-41	10.86	72			
199607	251	-102	12.44	82			
199702	243	-82	5.14	83			
199705	148	-83	9.53	134			
199708	104	-77	6.31	113			
199711	104	-46	7.40	87			
199802	89	-77	2.35	83			
199805	138	-72	7.05	77			
199808	132	-72	3.09	82			
199811	115	-82	1.48	76			
199902	38	-87	0.05	83			
199905	132	-82	-2.37	82			
199908	118	-82	3.97	87			
199911	85	-77	8.92	123			
200002	105	-72	-0.46	82			
200005	140	-83	2.27	88			
200008	148	-87	2.71	72			
200011	95	-46	0.59	103			
200102	127	-77	3.83	118			
200105	8	-72	4.00	42			
200108	118	-77	3.77	72			
200111	95	-71	2.32	83			
200202	112	-72	0.16	76			
200205	115	-82	-1.28	71			
200208	111	-72	-0.81	82			
200302	171	-77	-2.23	83			
200305	116	-77	-0.66	78			
200308	116	-82	-0.57	72			
200311	90	-82	-5.80	82			
200402	139	-72	-4.97	82			
200405	115	-72	-7.23	61			
200408	92	-57	-1.79	72			
200411	78	-72	-8.10	82			
200502	83	-66	-1.08	82			
200505	100	-72	-5.86	82			
200508	101	-87	-8.19	72			
200511	97	-72	-6.91	72			
200602	107	-82	-9.21	72			
200605	97	-82	-13.79	31			
200608	95	-82	-12.59	56			
200611	105	-56	-9.90	41			
999999	104	-72	-13.65	41			

HOLSTEIN COWS

09:00 Wednesday, February 28, 2007 16

year	number diff	low_ diff conf	avg_ diff conf	high_ diff conf	min -4	max 5
1900	0	.	.	.	*	*
1970	0	.	.	.		
1971	0	.	.	.		
1972	0	.	.	.		
1973	0	.	.	.		
1974	0	.	.	.		
1975	0	.	.	.		
1976	0	.	.	.		
1977	0	.	.	.		
1978	0	.	.	.		
1979	0	.	.	.		
1980	0	.	.	.		
1981	0	.	.	.		
1982	0	.	.	.		
1983	0	.	.	.		
1984	0	.	.	.		
1985	0	.	.	.		
1986	0	.	.	.		
1987	0	.	.	.		
1988	6	0	0.67	1		
1989	750	-2	0.32	2		
1990	24205	-3	0.32	2	1	1
1991	74416	-3	0.30	3	1	1
1992	81151	-3	0.28	3	1	1
1993	81101	-4	0.27	3	1	1
1994	83549	-3	0.25	4	1	1
1995	86474	-3	0.24	4	1	1
1996	81829	-3	0.21	5	1	1
1997	86689	-4	0.17	3	1	1
1998	88697	-3	0.16	3	1	1
1999	87442	-4	0.12	3	1	1
2000	87352	-4	0.08	3	1	1
2001	97185	-4	0.06	2	1	1
2002	97981	-3	0.03	3	1	1
2003	94100	-4	-0.03	3	1	1
2004	39137	-3	-0.06	3	1	1
2005	2	0	0.00	0		@

Model: EARLIEST

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY CHANGE IN FINAL SCORE WITHIN CLASS
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00 09:00 Wednesday, February 28, 2007 35

D_NUMBER_OF_CLASSIFICATIONS=0

D_FINAL_		number	low	avg	high	min		max
SCORE		diff	diff	diff	diff	-10		10
BYCLASS			conf	conf	conf			
F	0	24692	-3	-0.22	2		l-----a -----h	
G	0	514843	-4	0.18	3		l-----a -----h	
GP	0	590533	-4	0.18	5		l-----a -----h	
VG	0	18436	-3	-0.57	2		l-----a -----h	

Model: EARLIEST

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN CONFORMATION BY OLD EBV
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGE: CONF 0.00 DS 0.00 FEET-LEGS 0.00 MAMM 0.00

09:00 Wednesday, February 28, 2007 42

D_NUMBER_OF_CLASSIFICATIONS=0

O_	number	low	avg	high	min		max
EBV_	diff	diff	diff	diff	-10		10
CONFORMATION		conf	conf	conf			
.	0	.	.	.	*		*
-19	3	-1	-0.33	0		1--a-h	
-18	12	-1	-0.25	1		1--a ---h	
-17	19	-1	-0.26	0		1--ah	
-16	62	-1	-0.24	1		1--a ---h	
-15	172	-2	-0.16	1		1-----a ---h	
-14	424	-2	-0.06	2		1-----a-----h	
-13	956	-2	-0.01	2		1-----a-----h	
-12	1935	-2	0.00	2		1-----a-----h	
-11	3923	-2	0.08	2		1-----a-----h	
-10	7020	-3	0.13	2		1-----a-----h	
-9	12110	-2	0.17	3		1-----a-----h	
-8	19331	-3	0.19	3		1-----a-----h	
-7	29685	-3	0.25	3		1-----a-----h	
-6	40891	-3	0.27	3		1-----a-----h	
-5	54377	-3	0.28	3		1-----a-----h	
-4	67614	-4	0.28	3		1-----a-----h	
-3	80949	-3	0.28	3		1-----a-----h	
-2	90409	-3	0.27	4		1-----a-----h	
-1	97396	-3	0.25	3		1-----a-----h	
0	100431	-3	0.23	3		1-----a-----h	
1	99792	-3	0.20	3		1-----a-----h	
2	92834	-4	0.16	3		1-----a-----h	
3	82342	-4	0.11	5		1-----a-----h	
4	71120	-3	0.07	3		1-----a-----h	
5	56353	-3	0.02	3		1-----a-----h	
6	44000	-4	-0.04	3		1-----a-----h	
7	32894	-3	-0.09	2		1-----a-----h	
8	23487	-4	-0.16	2		1-----a-----h	
9	15783	-3	-0.22	2		1-----a-----h	
10	10044	-3	-0.31	2		1-----a-----h	
11	6013	-3	-0.44	1		1-----a-----h	
12	3302	-3	-0.54	1		1-----a-----h	
13	1580	-3	-0.69	1		1-----a-----h	
14	767	-2	-0.82	1		1-----a-----h	
15	301	-2	-0.99	0		1-----a-----h	
16	117	-2	-1.07	0		1-----a-----h	
17	37	-2	-1.35	0		1-----a-----h	
18	15	-2	-1.20	-1		1-----ah	
19	2	-2	-2.00	-2		@	
20	2	-2	-2.00	-2		@	

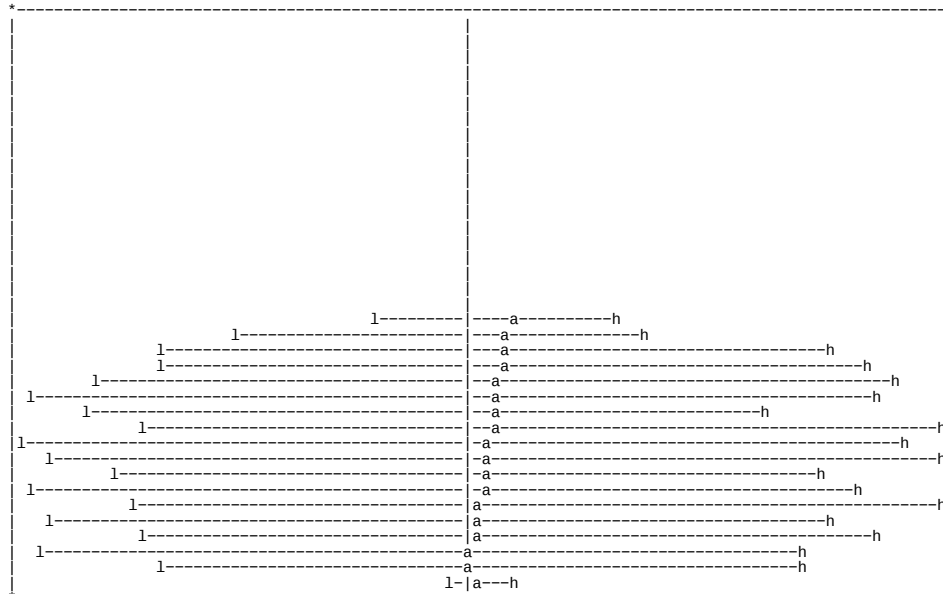
Model: EARLIEST

HOLSTEIN COWS

MINIMUM, AVERAGE AND MAXIMUM CHANGE IN LPI INDEPENDENT OF BASE CHANGE BY BIRTH YEAR
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

09:00 Wednesday, February 28, 2007 93

byear	number diff	low_ diff_ lpi	avg_ diff_ lpi	high_ diff_ lpi	min -236	max 251
1900	0	.	.	.		
1970	0	.	.	.		
1971	0	.	.	.		
1972	0	.	.	.		
1973	0	.	.	.		
1974	0	.	.	.		
1975	0	.	.	.		
1976	0	.	.	.		
1977	0	.	.	.		
1978	0	.	.	.		
1979	0	.	.	.		
1980	0	.	.	.		
1981	0	.	.	.		
1982	0	.	.	.		
1983	0	.	.	.		
1984	0	.	.	.		
1985	0	.	.	.		
1986	0	.	.	.		
1987	0	.	.	.		
1988	6	-52	20.50	77		
1989	750	-123	15.64	88		
1990	24205	-165	16.36	190		
1991	74416	-164	15.06	206		
1992	81151	-199	14.36	220		
1993	81101	-231	12.91	210		
1994	83549	-200	11.88	154		
1995	86474	-174	10.80	251		
1996	81829	-236	9.85	226		
1997	86689	-221	7.71	251		
1998	88697	-186	7.79	185		
1999	87442	-231	5.93	200		
2000	87352	-179	3.99	247		
2001	97185	-221	3.08	188		
2002	97981	-174	1.40	211		
2003	94100	-225	-2.66	175		
2004	39137	-165	-4.17	174		
2005	2	-10	5.00	20		



Model: EARLIEST

HOLSTEIN BULLS

HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

68

NAME	NEW TYPE COUNTS				NEW TYPE PROOFS				DIFFERENCE IN TYPE			DIFFERENCE IN TYPE PROOFS			C O D	NEW TYPE										PROOFS										NEW DIFF								
	HERDS	DAUS	% RCL	REL	CONF	MS	F&L	DS	RP	HERDS	DAUS	REL	CONF	MS		FL	DS	RP	UD	UT	MSL	FA	FTP	RAH	RAW	RTP	TL	FAN	HD	BQ	LSV	SRL	LRV	ST	FE	CW	BD	AN	LS	RA	PS	PW	LPI	LPI
1 HARTLINE TITANIC-ET	820	1199	2 98		10	13	12	4	-8	1	3	0	-1	-1	0	0	-1	1S	15	17	6	5C	6	16	3C	4L	13	9	3	10S	6	13	8	-5	-2	-1	6	-6	9H	-9	0	2210	-47	
2 BRAEDALE GOLDWYN	110	136	15 89		18	15	13	11	6	0	2	0	-1	-1	0	0	-1	9S	15	12	10	2C	11	15	0	1L	7	7	12	2S	7	7	13	2	1	-1	10	7	2L	10	0	2145	-41	
3 DUDOC MR BURNS	24	35	0 74		14	12	9	11	5	0	0	0	0	-1	0	0	0	5S	8	5	10	4C	7	9	2W	6S	9	5	7	10S	8	9	13	7	0	3	11	5	7	2113	-41			
4 FORTALE LOMAX	103	111	5 88		10	12	5	8	2	0	0	0	0	0	0	0	-1	2S	16	13	5	7C	-4	11	4C	1S	5	0	12	6S	6	-2	7	-4	-3	0	12	5	5H	-1	7	2054	0	
5 PENNVIEW INTRUDER	63	91	3 87		11	8	2	10	8	0	0	0	0	0	0	0	0	3S	-4	-1	10	1C	9	8	5W	9L	15	13	-4	5S	8	2	5	8	12	7	6	6	3L	6	5	2010	0	
6 HORSTYLE MAXWELL-ET	75	88	2 86		8	10	2	3	1	0	0	0	0	-1	0	0	-1	3S	8	13	4	3C	4	10	5C	6L	6	5	-7	4S	1	4	13	-2	3	-5	2	1	1H	1	6	1987	-41	
7 WALLACEVIEW ALADDIN	81	93	2 87		8	5	-2	11	5	0	0	0	0	0	0	0	0	3D	3	2	7	10C	4	-1	5C	6S	6	-6	1	1C	1	4	5	6	5	15	12	5	7L	5	-3	1948	0	
8 WELCOME GARTER-ET	108	257	1 94		6	5	3	5	6	0	1	0	0	0	1	0	0	3D	6	8	0	3C	6	10	2C	1L	1	2	-5	3S	1	6	4	-7	3	3	9	5	6L	1	9	1948	31	
9 BRIGEEEN GIVENCHY-ET	70	98	1 85		6	4	4	9	0	0	2	0	0	0	-1	1	0	2D	5	5	2	2C	2	12	4W	2L	5	9	7	1S	-3	-2	3	4	2	5	10	-1	5H	-3	3	1925	-20	
10 TO-MAR D-FORTUNE-ET	40	52	4 78		17	15	10	10	4	0	1	0	-1	-1	-1	0	-1	7S	11	10	12	1C	8	12	2C	0	9	14	2	5S	5	6	8	2	8	11	4	-3	3H	1	13	1886	-72	
11 CLAYNOOK VICTORY	98	106	2 87		6	5	8	1	-2	0	0	0	0	0	0	0	0	0	8	2	2	0	-1	6	2W	4L	7	3	9	1S	9	-1	1	-2	-1	-2	5	-5	1L	5	-3	1879	0	
12 BRAEDALE PAGEWIRE	58	75	0 84		12	8	5	11	9	0	0	0	-1	-1	0	0	-1	6S	12	12	3	3C	6	5	7C	1S	4	5	8	4C	-4	-2	11	2	0	2	14	9	5L	6	7	1870	-41	
13 RICECREST EMMETT-ET	49	69	4 82		6	6	6	2	1	0	2	1	0	0	1	0	0	1S	3	11	1	5C	1	4	10C	0	2	-1	5	1C	3	6	3	-2	3	-9	4	-3	1H	3	4	1857	30	
14 REGANCREST DOLMAN-ET	54	65	6 83		15	11	11	12	5	0	0	0	0	-1	-1	0	0	3S	11	14	5	7C	10	11	5C	3L	13	13	2	4S	4	3	14	-5	4	7	8	5	5L	0	9	1839	-72	
15 BOFRAN LUCKY STAR	64	106	0 88		9	6	3	6	14	0	1	0	0	1	0	0	0	11S	5	1	3	3W	10	-4	2C	5S	7	2	1	6S	2	-3	11	4	2	-3	3	14	8L	8	9	1783	41	
16 GILLETTE BRILEA F B I	105	115	4 87		10	7	2	11	8	0	1	0	0	1	1	0	0	1D	2	5	6	2C	6	5	1W	1S	10	8	-3	8S	-5	-4	12	6	6	3	9	11	9L	3	3	1778	72	
17 FUSTEAD EMORY BLITZ-ET	708	1644	7 98		15	14	7	10	9	0	12	0	0	0	0	0	0	15	10	12	7	1C	14	17	1C	2S	5	6	-1	7S	4	8	10	1	5	2	9	5	11L	2	7	1748	0	
18 REGANCREST-JB MONTY-ET	65	104	0 88		5	7	10	7	-11	0	0	0	-1	-1	0	0	-1	2S	10	11	4	5C	-2	4	1C	1S	7	11	4	1S	1	10	7	7	5	9	3	-12	7H	-10	4	1731	-41	
19 BRAEDALE GOODLUCK-ET	417	734	6 97		11	14	1	7	3	0	7	0	-1	-1	0	0	0	11S	17	11	10	2W	12	6	5W	1S	-3	-3	6	3C	-3	1	11	3	-4	-4	6	3	3L	1	3	1719	-41	
20 KILDARE MENHAT	99	108	1 88		4	3	7	2	4	0	1	0	0	0	0	0	0	2D	-2	4	4	4C	2	-2	1W	2L	2	5	4	2C	5	6	-5	-2	-5	3	12	8	4L	0	-7	1702	0	
21 STANHOPE SOVEREIGN	80	124	2 89		14	13	8	14	4	0	0	0	-1	-1	0	-1	0	8S	6	1	19	7C	6	3	2W	1S	8	10	1	0	1	12	11	10	5	17	9	8	5H	-6	9	1695	-31	
22 ALTERVALE E COMMERCE	47	64	2 83		9	7	7	10	-1	0	0	0	-1	-1	0	0	0	5S	6	-1	10	5C	2	1	5W	1S	5	4	7	1S	7	1	3	3	6	8	7	0	2H	-1	4	1686	-41	
23 GILLETTE CUTLER	64	96	2 87		11	10	9	7	0	0	0	0	0	-1	0	0	0	2S	7	8	9	6C	1	9	3C	2L	3	6	3	2S	1	6	5	-2	12	8	4	-1	1H	1	3	1676	-41	
24 LIGNETTE GUNZO	73	117	1 87		0	-1	4	0	3	0	0	0	0	0	0	0	1	8D	1	4	-4	2W	-3	1	0	3L	3	0	3	1S	2	3	0	-4	-2	-4	2	7	7L	1	1	1662	0	
25 LA PRESENTATION DANOIS	38	40	3 76		7	11	0	-1	10	0	0	0	0	0	0	0	0	5S	7	4	6	3W	6	6	10W	4S	-10	-10	9	6C	-6	7	-9	8	3	-2	2	-2	3L	8	10	1633	0	
26 GEN-I-BEQ SALTO	98	111	5 87		9	12	4	5	1	0	3	1	-1	-1	0	0	0	5S	11	7	7	9C	2	5	3C	7S	3	9	2	0	5	3	2	3	1	-1	6	0	5H	-2	6	1629	-30	
27 NEU-WAY ALBERT-ET	71	110	0 86		1	0	2	2	3	0	2	0	0	-1	0	-1	0	4D	8	10	-3	4C	-6	-4	8C	3S	3	1	2	4C	2	1	2	-4	-2	-1	6	2	2L	0	3	1624	-52	
28 FAR-O-LA DJ BLITZ DOMINANT	22	25	0 69		11	12	6	3	6	0	0	0	-1	0	0	-1	0	3D	8	12	7	5C	12	16	3C	1S	10	7	2	7S	2	9	6	-3	5	3	2	5	11L	-1	8	1620	-15	
29 STANBRO MORE	111	139	6 88		10	5	10	10	2	0	2	0	0	-1	0	0	0	2S	6	4	4	3W	0	3	7C	2L	1	6	5	5S	10	12	6	-2	-4	4	3	11	4	4L	4	-1	1618	-41
30 PRIDE RUGER-ET	49	75	1 84		7	5	7	5	1	0	0	0	0	-1	-1	0	0	1D	7	11	0	0	6	10	3C	3S	3	7	6	0	6	6	4	-6	-2	1	7	2	2H	1	4	1614	-72	
31 REGANCREST DESIGN-ET	85	110	7 88		13	13	8	8	10	0	1	0	0	0	-1	1	0	2S	11	15	8	2C	7	7	1W	3L	2	8	1	6C	4	9	2	10	9	4	4	3	2L	6	11	1611	-26	
32 HIDDEN-VIEW BARNES	71	74	0 83		13	12	15	9	-2	0	0	0	0	0	0	0	0	2S	12	15	7	0	9	13	3C	2L	12	11	4	4S	6	8	8	5	3	4	7	-2	3H	-3	3	1611	0	
33 PABST	75	93	4 84		5	6	7	1	-5	0	0	0	0	0	0	0	0	6S	3	-2	5	3W	2	6	8W	3L	5	5	6	3S	3	4	2	2	2	1	-1	-14	5H	-6	8	1610	0	
34 COOK-FARM FEISTY-ET	21	29	0 70		9	8	4	9	2																																			

Model: EARLIEST

HOLSTEIN BULLS

HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

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NAME	NEW TYPE COUNTS				% RCL	NEW TYPE PROOFS				DIFFERENCE IN TYPE				DIFFERENCE IN TYPE PROOFS				C 0	NEW TYPE										PROOFS					NEW DIFF											
	HERDS	DAUS	REL			CONF	MS	F&L	DS	RP	HERDS	DAUS	REL		CONF	MS	FL		DS	RP	UD	UT	MSL	FA	FTP	RAH	RAW	RTP	TL	FAN	HD	BQ	LSV	SRL	LRV	ST	FE	CW	BD	AN	LS	RA	PS	PW	LPI
79 BENNER B JUSTICE	64	105	0.88		3	1	3	0	-1	0	1	0	0	0	0	1	0	0	1S	1	-4	0	2W	4	3	9W	2S	0	0	1	1S	1	5	0	5	-2	-3	2	0	1L	-2	-3	1406	31	
80 KICK-IT-UP JAVELIN-ET	47	64	0.82		-1	-1	0	-1	-3	0	0	0	0	0	0	1	0	0	10	-2	1	1	7W	1	0	9W	7L	1	-3	-4	1S	-1	5	1	-1	1	-3	0	-3	0	-4	-3	1406	31	
81 LANG-ENGLAND HARRISON-ET	59	71	0.83		8	9	5	7	-5	0	0	0	0	-1	-1	0	0	-1	2S	17	12	8	6C	4	8	6C	3L	3	8	5	4C	3	2	13	3	3	2	5	-4	8H	-7	12	1404	-41	
82 STANTONS MARSHALL	68	90	3.87		1	2	-3	1	-3	0	0	0	0	0	0	1	0	0	3D	-1	5	2	0	0	4	1C	2L	-4	-1	-4	3C	-1	-7	2	-5	-2	3	2	4	6H	-6	-4	1402	30	
83 BRILEA BARRICK	36	60	2.82		10	13	2	5	-3	0	1	0	0	0	-1	0	0	-1	7S	13	8	11	7C	8	6	1C	1S	-2	0	4	1S	1	5	-1	0	0	3	7	0	0	-2	1	1401	-41	
84 LA PRESENTATION WINDOWS	71	78	4.83		7	8	0	2	7	0	1	0	0	-1	-1	0	0	-1	9S	-1	0	11	3C	11	8	6C	4S	1	-1	0	3C	-5	2	3	2	3	-4	2	6	10L	5	5	1396	-41	
85 RIETBEN CHILTON	25	38	0.77		5	9	4	-2	-6	0	0	1	-1	0	0	0	0	0	9S	7	-1	9	4C	3	2	3C	7S	0	-1	-1	4S	3	1	0	-3	-3	-5	2	-4	3H	-8	-4	1394	0	
86 CALBRETT CAPTAIN	82	108	0.86		6	2	6	7	4	0	3	0	1	0	1	0	0	0	6D	4	10	2	3W	-4	8	1C	2S	1	4	6	4S	1	7	-2	10	2	9	10	-3	4L	5	3	1394	31	
87 KICK-IT-UP AMO-ET	443	596	2.97		2	3	-3	1	-1	0	2	0	0	-1	0	0	0	0	10	-2	-5	5	5W	5	11	6W	1S	-5	-7	-7	8S	-3	1	10	0	3	-9	1	3	2H	2	-3	1378	-46	
88 JEFFREY-WAY TOPNOTCH-ET	95	103	3.87		12	14	8	7	-1	0	0	0	0	0	0	0	0	0	3S	7	9	7	7C	8	13	1W	1S	5	5	1	4S	8	9	4	-1	7	5	3	1	0	2	-4	1378	0	
89 BRAEDALE STANTZ	144	162	6.89		8	8	6	9	-2	0	0	0	0	0	0	0	0	0	4S	10	8	4	2C	6	9	3C	0	1	-3	9	6C	-1	8	8	6	2	4	9	-4	3L	-4	6	1377	0	
90 DELABERGE LOGAN	35	49	4.78		1	3	1	5	-5	0	0	0	0	0	-1	0	-1	0	5D	-1	4	0	1C	4	9	2C	8S	-3	-10	8	3C	1	3	0	5	-2	7	10	2	6H	-11	4	1374	-31	
91 ALTA SHADY	82	135	1.89		2	4	0	-2	0	0	1	0	0	0	0	0	0	0	2S	0	-3	8	4C	4	2	3W	2L	-6	-1	-1	1C	2	4	-2	-5	2	-1	0	-3	5L	3	-3	1371	0	
92 ELMBRINK ECSTACY-ET	120	138	1.88		3	2	8	-3	0	0	3	0	0	0	0	0	0	0	1S	-3	4	0	9W	-7	2	7W	7S	1	0	4	1S	10	8	-4	-4	0	-3	-4	-3	8L	5	0	1367	5	
93 JEFFREY-WAY TOPLEVEL-ET	78	95	1.87		8	9	11	1	-6	0	0	0	0	0	0	0	0	-1	10S	6	9	6	3W	8	-4	0	8S	12	12	5	7S	6	6	6	-6	0	-4	2	-3	6H	-4	0	1359	5	
94 BRAEDALE TUK	79	82	2.85		13	10	5	13	8	0	0	0	0	0	0	1	0	0	5S	4	7	8	6C	3	15	2W	5S	-2	0	6	4S	2	6	5	5	9	7	12	5	2L	8	2	1358	30	
95 EMERALD-ACR-VR CHASER-ET	35	50	2.77		-4	-3	2	-5	-1	0	1	0	0	0	0	0	0	0	6D	-3	3	-5	2C	-3	2	5C	3S	4	5	-3	6S	7	1	-6	-5	4	0	2	6L	2	-5	1357	0		
96 TEEMAR ARTWORK-ET	28	43	0.77		3	5	7	-1	-10	0	0	0	0	0	0	0	0	0	2D	1	3	3	2W	8	6	4C	3L	6	10	0	1S	2	6	-4	-2	-2	4	1	2	-6	7H	-8	-5	1357	0
97 HICKORYNUT POSITIVE	139	149	3.89		4	8	-6	1	4	0	4	1	0	0	0	0	0	0	6S	4	5	2	5	11C	7	8	4C	0	-8	1	-3	10S	-3	-8	5	5	0	-5	3	2	2L	-1	6	1356	5
98 COMESTAR STORMATIC	3907	10314	6.99		14	12	18	8	3	0	34	0	0	0	0	0	0	0	1S	12	11	10	2C	4	12	2W	6S	9	5	12	5S	12	19	4	1	2	0	9	1	2H	4	2	1355	0	
99 DESLACS MILKSTAR	75	111	4.87		13	10	7	10	6	0	2	0	0	0	0	0	0	0	4S	11	8	11	14C	3	-7	7C	4S	2	2	5	5S	11	5	7	0	5	7	4	8	1H	4	3	1354	0	
100 OLIVA LAUSAN CREW-ET	55	96	2.87		5	6	8	1	-4	0	1	0	0	-1	0	0	0	0	3S	8	1	7	4C	0	2	1W	1S	7	-1	7	6S	2	7	1	-6	-2	0	1	-1	3H	-2	-4	1348	-42	
101 COMESTAR LOUDANO	35	42	0.78		7	5	1	12	4	0	0	0	0	0	0	0	0	0	3D	7	5	2	12C	-2	0	6C	5L	-4	2	2	5C	2	-4	4	2	9	13	9	5	3L	2	-1	1344	0	
102 CHERRY CREST CONSTOR	97	106	2.86		3	-1	9	4	3	0	3	0	0	0	0	1	0	0	1S	3	1	0	8W	-3	0	6W	0	12	13	0	3S	-1	7	4	-4	3	1	2	0	5H	0	7	1344	10	
103 FREUREHAVEN IGNATIUS	64	92	1.87		11	11	2	8	2	0	0	0	0	0	0	1	0	0	5S	10	7	9	6C	7	2	1C	1L	-4	0	-3	1C	0	5	3	3	12	14	4	2	4L	0	0	1343	31	
104 MORNINGVIEW DAPPER-ET	88	96	2.86		8	5	5	7	5	0	2	0	0	0	0	0	0	0	2D	3	12	1	5C	1	6	5C	0	5	7	-1	8S	5	0	7	6	3	0	6	5	10L	5	-2	1342	0	
105 MARKSWAY RAFTER	90	125	2.87		7	8	7	-3	4	0	5	0	1	1	0	0	0	0	6S	-1	-2	8	1C	4	9	4W	3S	2	3	-2	6S	4	11	1	1	3	-9	-5	-4	2L	6	3	1340	41	
106 BRILEA VENICE	59	86	0.86		2	1	2	3	2	0	0	0	0	0	0	0	0	0	2D	0	-1	-2	2W	2	5	4W	3L	-1	-2	5	6C	0	5	2	-2	-2	1	7	1	3L	-1	5	1339	0	
107 BENNER JEREMIAH	91	123	1.89		2	-4	5	6	6	0	0	0	-1	0	0	0	0	0	10D	2	5	-6	7W	3	6	5C	8L	-1	5	4	6C	-1	5	3	-5	-1	4	11	5	6L	0	4	1335	0	
108 EMERALD-ACR-SA T-DEREK-ET	122	155	3.89		10	13	12	-1	-2	0	2	0	0	-1	0	0	0	0	12S	8	11	14	3C	8	5	7C	9S	11	10	5	6S	-6	6	0	-12	0	-5	1	-2	7H	-6	4	1332	-41	
109 STANTONS STEWARD	119	157	3.91		4	6	-3	6	4	0	1	0	-1	0	0	0	-1	0	10	7	8	-2	3C	2	11	0	1L	-9	-8	10	7C	-2	-1	5	-4	-4	0	10	3	1H	4	7	1330	-5	
110 MAINSTREAM MAGICAL-ET	85	131	1.87		6	4	11	2	1	0	2	0	0	0	0	1	0	0	3D	7	9	2	7C	2	3	5C	6S	4	8	9	5S	12	9	1	-7	-8	-3	11	6	1L	4	-1	1330	10	
111 BENNER JOAH	121	138	8.89		6	7	-2	4	3	0	1	0	0	0	1	0	0	0	8S	-1	0	9	2W	13	0	2W	7L	7	7	-1	1C														

Model: EARLIEST

HOLSTEIN COWS

CHANGE IN EVALUATIONS FOR NEW TOP LPI COWS
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

09:00 Wednesday, February 28, 2007 101

REGISTRATION NUMBER		NAME	DAM REGISTRATION NUMBER	NEW TYPE PROOFS					DIFF FINAL SCORE	DIFFERENCE IN TYPE PROOFS					C 0 1 2	NEW TYPE PROOFS										PROOFS										NEW DIFF				
REGISTRATIONBY NUMBER	BY	NAME	NUMBER	CONF	MS	F&L	DS	RP	CONF	MS	FL	DS	RP	UD	UT	MSL	FA	FTP	RAH	RAW	RTP	TL	FAN	HD	BQ	LSV	SRL	LRV	ST	FE	CW	BD	AN	LS	RA	PS	PW	LPI	LPI	
1	101760630	4 COMESTAR LAUTAMIE TITANIC	100748831	17	16	15	11	3	0	-2	-3	-1	-1	0	2S	15	15	14	4C	8	17	2C	0	9	10	9	1S	6	12	13	-1	0	5	13	2	3H	-3	8	4077	-165
2	7352248	2 GILLETTE BLITZ 2ND WIND	6860889	19	18	11	13	10	0	-2	-3	-1	-1	-1	2S	13	17	15	6C	16	18	3C	2S	4	3	10	6S	5	12	9	0	5	2	15	5	2L	5	9	3844	-164
3	100748831	2 COMESTAR LAUTELMA IGNITER	7260565	17	13	11	15	10	0	-2	-1	-1	-1	0	2S	12	10	12	6C	3	9	5C	1S	4	6	8	4C	4	8	14	0	7	8	13	6	5L	4	8	3785	-82
4	8750240	3 GILLETTE GOODLUCK CAROLANE	6956637	15	14	6	12	9	0	-1	0	0	-1	-1	5S	13	9	9	0	11	5	1C	2L	4	4	6	4S	-2	5	11	2	2	2	10	10	3L	4	3	3667	-11
5	8750291	3 GILLETTE BLITZ S CUT	6860889	18	16	8	14	10	0	-1	-2	-1	0	-1	1S	12	13	10	1C	14	18	2W	2L	3	3	8	5S	4	9	8	3	5	3	14	7	4L	5	6	3645	-113
6	6860889	97 BRAEDALE SECOND CUT	5912235	15	14	7	14	6	0	-1	-1	-1	0	0	3S	10	12	11	5C	8	14	1C	1S	3	3	11	5S	2	5	6	0	8	6	13	3	2H	5	4	3633	-72
7	7352333	2 GILLETTE ALLEN SC ZONE	6860889	16	15	9	13	5	0	0	-1	0	-1	-1	4S	8	9	14	7C	8	14	1C	2S	6	6	3	7S	-1	11	7	6	11	10	11	1	2H	2	10	3583	-51
8	6947915	98 LECLERCVALE MALICE STORM	6144646	10	9	8	6	4	0	0	-1	-1	0	0	2D	6	6	7	5C	6	9	1C	7S	7	3	7	9S	3	5	0	-4	5	5	4	5	0	7	-4	3579	-72
9	101760605	4 COMESTAR MODEL FIA FREELANCE	7260648	11	9	8	9	7	0	-1	0	0	-1	0	3S	5	-2	12	3C	7	4	3W	2S	-1	1	7	1C	6	7	3	2	4	7	10	3	0	7	0	3572	-10
10	6866793	97 SILDJAK SILKE RUDOLPH	6475074	6	7	4	4	2	0	-2	-1	-1	0	-1	0	8	-1	3	0	6	4	2W	2L	-5	-5	5	3S	7	6	6	5	-1	-3	4	3	2L	0	2	3545	-77
11	8872097	4 GILLETTE BLITZ 2ND WEDDING	6860889	17	16	9	13	8	0	-1	-1	-1	0	0	2S	11	14	10	5C	12	16	3C	1S	5	4	8	6S	3	9	9	0	7	4	12	4	4L	5	6	3463	-72
12	101760626	4 COMESTAR LAUTELMY TITANIC	100748831	15	14	12	10	3	0	-1	-1	0	-1	0	2S	13	14	10	7C	4	13	6C	1L	8	8	5	4S	5	10	11	-3	3	3	11	2	0	-2	5	3299	-51
13	8143479	0 GILLETTE-I DURHAM JERICHO	14237052	14	14	10	10	2	0	-2	-2	-1	0	0	6S	15	14	11	4C	8	6	2W	3L	6	7	7	2S	6	9	6	3	0	3	8	5	1L	1	0	3295	-113
14	100383419	2 COMESTAR IGNITER LOLITA	10519868	12	9	4	13	8	0	-1	-1	-1	0	0	1S	10	8	11	5C	3	5	4C	11L	-2	3	0	3C	6	2	6	-2	10	9	10	6	6L	4	4	3278	-72
15	101942513	3 BEAUOISE AFFINITY LOLA	7338425	13	12	6	12	3	0	-1	-1	0	-1	0	4S	5	2	10	1C	4	10	0	4L	0	-1	8	1C	4	5	12	7	1	1	13	9	0	-1	3277	-51	
16	7352311	2 GILLETTE DERRY SC LOWDE	6860889	16	14	8	16	7	0	-3	-1	-1	-2	0	4S	10	14	7	6C	7	14	4C	0	4	6	4	5S	2	6	9	2	9	10	14	2	0	3	6	3266	-93
17	102482530	4 COMESTAR LAUTICA TITANIC	100748831	15	13	13	12	3	0	-2	-1	-1	0	0	2S	14	14	10	5C	6	12	4C	1L	8	7	6	3S	6	11	14	-4	6	3	10	2	0	-1	4	3261	-72
18	7260565	0 COMESTAR LAUTELLE EMERSON	5319830	12	10	11	9	3	0	-1	-1	-1	-1	0	1S	11	9	7	3C	-1	6	3C	0	7	2	7	0	7	9	9	0	0	2	10	3	2L	3	5	3260	-82
19	101431983	3 LA PRESENTATION DIALYSE	7261188	15	14	4	12	7	0	-1	-2	0	0	0	6S	12	11	8	0	11	10	1W	4S	-2	-2	5	1C	-3	5	10	3	4	0	10	3	3L	1	8	3240	-82
20	7338824	1 COMESTAR GAIL IGNITER	121015750	13	10	7	12	6	0	-1	-1	-1	0	0	4S	8	7	10	5C	2	7	6C	4L	1	5	8	2C	1	4	8	1	7	9	8	6	4L	5	7	3201	-72
21	9104475	0 DUDOC RUBENS PLACEBO	6846320	11	11	10	8	-1	0	-1	0	-1	0	0	1S	13	4	5	9C	12	4	2C	4S	6	1	12	3C	6	10	8	5	-2	-3	8	1	8H	-10	7	3153	-30
22	8801653	3 SILDJAK STORMATIC STARMANIA	6866793	12	11	13	10	3	0	-2	-1	0	0	0	2D	11	6	7	2W	5	9	2W	0	3	2	10	3S	10	14	9	6	3	0	8	3	2H	2	4	3150	-46
23	9286558	1 DUDOC JLT PONTAGE	6846320	10	7	6	10	6	0	-1	-1	-1	0	0	1S	4	3	5	0	8	7	4W	0	4	1	5	3S	6	6	8	1	5	7	8	7	4L	3	4	3130	-72
24	9403693	2 BEAVER RAY BLITZ MIRKA	6531297	12	9	6	8	7	0	0	0	0	0	0	2D	6	5	5	1C	7	12	1C	5S	5	4	1	1C	2	3	5	3	4	3	8	6	7L	2	6	3107	-5
25	7338425	1 BEAUOISE INQUIRER CITATION	6646867	14	11	9	11	6	0	-2	-1	0	-1	-1	3S	8	6	6	3C	3	8	5C	5L	3	7	10	1C	1	1	12	2	-5	2	15	11	3L	4	0	3094	-41
26	8641373	2 BRAEDALE ANNEKA	6860888	16	13	8	14	5	0	-1	0	0	0	0	4S	12	9	12	8C	3	11	1C	7S	3	6	5	5S	2	8	6	0	13	6	11	5	1H	6	3	3089	0
27	9112987	99 BENNER JAMES JONE	6881287	11	9	3	10	8	0	0	0	0	1	1	1S	3	4	13	6W	6	12	3W	13L	6	8	-4	4S	-3	-1	5	5	10	4	8	3	2L	6	6	3067	10
28	101515119	3 CHARPENTIER MORTY MAUREEN	7330213	14	11	4	20	7	0	0	-1	-1	0	-1	6D	12	10	6	8C	2	10	2C	0	5	8	1	3S	2	0	12	13	12	7	16	1	1L	0	-12	3049	-72
29	8209766	1 GILLETTE RUBENS CITAMATT	6956637	12	11	9	9	1	0	-1	-1	0	0	-1	4S	12	9	4	7C	9	3	3C	3L	7	8	7	5S	3	7	4	1	4	0	5	5	4H	-3	-5	3038	-41
30	102128124	4 MACO FABRICIA TITANIC	100280307	13	13	9	11	1	0	0	-2	0	0	0	2S	12	10	11	2C	5	9	0	3L	7	5	6	3S	3	6	8	0	3	5	11	3	3H	-4	1	3027	-83
31	8750130	3 GILLETTE CHAMPION CAPELING	6956637	14	9	6	16	14	0	-1	0	0	-2	-2	10	7	8	3	4C	8	8	3C	4L	2	1	6	6S	2	7	10	5	5	7	16	13	3L	8	7	3016	-21
32	103010876	4 LECLERCVALE MELISSAS ALLEN	6947915	15	12	10	12	3	0	0	0	0	0	0	1S	8	6	11	7C	4	8	2C	8S	6	6	5	7S	2	9	3	1	12	12	7	4	1H	2	0	3016	0
33	102268968	4 RUBIS FREELANCE LILY	100383419	13	10	6	14	4	0	-1	-1	-1	0	0	3S	12	5	12	1C	7	7	1W	5L	-1	1	7	4C	6	3	6	2	9	7	11	2	2H	2	5	3013	-77
34	102386202	4 MONRILAC TITANIC SEDUISANTE	8109607	11	10	10	9	-1	0	-1	-1	-1	-1	0	0	9	9	4	0	5	8	1W	0	10	9	4	3S	6	8	8	1	4	2	7	1	2H	-5	2	2985	-82
35	102422282	4 BERGEROY GOODLUCK ALISSA	10624509	12	13	6	6	5	0	-1	-2	0	-																											

Model: EARLIEST

HOLSTEIN COWS

CHANGE IN EVALUATIONS FOR NEW TOP LPI COWS
HOLSTEIN - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

09:00 Wednesday, February 28, 2007 102

REGISTRATION										NEW TYPE PROOFS										DIFFERENCE IN TYPE PROOFS										NEW TYPE										PROOFS										NEW DIFF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NUMBER	NAME	DAM	NEW	TYPE	PROOFS	DIFF	DIFFERENCE IN	C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Model: EARLIEST

AYRSHIRE BULLS

CHANGE IN BULL EVALUATIONS FOR NEW TOP LPI SIRE
AYRSHIRE - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

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NAME	NEW TYPE COUNTS				% RCL REL	NEW TYPE PROOFS				DIFFERENCE IN TYPE				DIFFERENCE IN TYPE PROOFS				C 0 D	NEW TYPE										PROOFS					NEW DIFF												
	HERDS	DAUS	RCL	REL		CONF	MS	F&L	DS	RP	HERDS	DAUS	REL	CONF	MS	FL	DS		RP	UD	UT	MSL	FA	FTP	RAH	RAW	RTP	TL	FAN	HD	BQ	LSV	SRL	LRV	ST	FE	CW	BD	AN	LS	RA	PS	PW	LPI	LPI	
1 T-BRUNO	64	107	2 82		2	1	9	1	-4		0	5	0		1	0	1	0	0	7D	9	0	1	4C	0	4	3C	1S	10	15	0	4S	7	7	4	4	8	3	4	-8	10L	-7	4	2630	28	
2 B JURIST	49	90	6 83		5	5	5	4	-2		0	4	0		0	1	-1	0	0	1S	6	4	2	10C	2	8	6C	2S	8	9	-3	6C	-1	3	4	4	8	1	3	-8	0	1	0	2502	14	
3 LAGACE MODEM -ET	38	42	0 74		11	10	9	5	0		0	0	0		0	0	0	0	0	7S	6	1	9	9C	7	1	4C	5L	9	9	0	11S	7	5	6	-6	7	4	3	0	7L	1	-4	1845	0	
4 VISSERDALE ETRO -ET	64	85	5 80		3	6	-5	8	4		0	5	1		0	0	-1	-1	0	0	6	3	6	2C	1	3	2C	5L	-1	0	-6	10C	-10	-5	7	-3	9	10	8	8	4L	-2	7	1833	-43	
5 DES CHAMOIS POKER -ET	31	32	0 69		11	10	6	7	7		0	0	0		-1	-1	1	0	0	6S	5	5	9	8C	7	5	3C	3L	14	8	7	4C	1	1	5	-1	3	6	4	12	7L	0	3	1805	-10	
6 KILDARE JERRY ET	262	492	3 95		9	10	8	4	-3		0	11	0		0	0	0	0	0	3S	9	12	6	1C	6	4	2C	1L	-4	-4	14	9S	8	11	-4	5	-1	6	4	3	5H	1	-8	1785	0	
7 KILDARE TORNADO S ET	52	66	5 76		2	4	8	-2	-3		0	1	0		1	1	1	0	0	7S	8	-3	1	9W	5	-1	0	3S	0	-1	10	4S	5	7	1	-4	-6	-5	-2	-4	2H	1	-2	1636	60	
8 TORPANE	32	55	2 73		-5	-3	2	-6	-7		0	1	1		-1	0	-1	-1	0	0	0	-3	-5	1C	-10	-2	3W	6S	1	1	-2	4C	-2	1	2	-10	-5	-7	-6	-6	10L	-13	0	1611	-43	
9 DROPSTAD	43	82	6 82		1	0	2	5	4		0	4	0		0	0	-1	0	0	4D	7	1	-3	3C	2	3	5C	1L	5	10	1	1C	-3	2	8	7	10	2	5	-13	2H	0	8	1474	-34	
10 OAKBURN GRANGE -ET	32	40	3 73		3	3	6	1	1		0	0	0		0	0	0	0	0	4D	6	1	3	3C	6	5	1C	5L	1	1	8	9S	6	1	-3	-9	-3	-1	7	-2	2L	4	0	1359	0	
11 TERRACE BANK EASTERN ET	70	86	5 81		5	2	9	2	-1		0	4	0		0	0	0	-1	0	4D	3	1	-2	2C	6	9	7C	4S	7	2	10	0	5	10	-1	-4	0	2	1	-1	10L	-11	-1	1347	-14	
12 LAGACE KARUSO	26	27	0 67		7	7	5	4	11		0	0	0		0	0	0	0	0	7S	6	1	1	4C	5	5	1W	11L	6	7	1	1S	2	3	8	-5	0	-1	1	7	6L	4	8	1312	0	
13 WOODLAND VIEW PARDNER ET	448	1187	4 97		6	6	4	4	3		27	0	7		0	0	0	0	0	2S	5	2	6	8C	3	4	5C	9L	11	5	4	4C	0	3	3	0	-1	2	5	7	7L	-5	2	1270	0	
14 GALNEY-EPC RIPKEN RAVEN	31	44	2 74		6	3	2	11	14		0	0	0		0	0	0	0	1	7D	7	4	-1	4W	-1	7	0	1L	5	7	1	2C	-2	-3	8	-6	1	15	13	5	0	9	12	1270	0	
15 CLAUDALE JACKPOT	56	70	7 76		-2	-3	6	-3	-2		0	0	0		0	0	-1	0	-1	5D	-3	-3	-6	9W	-4	-7	2W	1S	4	3	10	3S	5	6	-8	-3	-5	-2	-3	-4	3H	4	-6	1263	-22	
16 MARGOT COLARGOL	54	64	3 80		5	7	1	2	7		0	1	0		0	0	0	0	-1	3S	4	4	12	3C	8	5	4C	4L	-1	2	0	0	-1	0	0	5	4	1	2	-2	0	6	8	1246	0	
17 MARDEL MUSTAFA -ET S	78	102	3 82		2	3	0	4	1		0	2	1		-1	0	-1	-1	-1	2D	3	-2	1	3C	0	8	5C	11L	2	7	-10	3C	1	3	5	1	14	4	3	-14	7H	1	6	1233	-38	
18 FERVAL DUO ET	39	52	2 72		2	3	-1	2	2		0	0	0		0	-1	0	0	0	0	1	-4	5	1W	-1	1	6W	2L	-3	-4	0	1C	-1	-1	3	1	4	3	1	1	5L	-4	1	1226	-38	
19 NORTH PINE AIKON	45	55	5 73		-2	-1	4	-3	-9		0	0	0		0	0	0	1	1	1D	4	3	-5	8W	-4	-10	6W	3S	4	5	9	6S	7	2	1	-4	-5	-5	-5	-2	12L	-12	-5	1224	9	
20 ARDROSSAN EV KATES TRIDENT	178	523	5 93		8	10	1	8	3		0	16	1		0	0	-1	0	0	3S	11	13	4	6C	8	8	5C	7L	5	5	5	0	2C	0	2	6	7	7	9	8	-3	1H	-1	4	1215	-28
21 VISSERDALE DILLIGENT -ET S	76	100	7 80		5	5	-5	12	10		0	3	0		0	0	0	0	0	0	7	5	4	1W	5	6	5C	8L	-2	-3	-2	10C	-11	-4	5	12	11	11	12	-1	8H	8	10	1210	0	
22 DON-SHER HECTOR	51	59	2 78		8	7	5	13	12		0	0	0		-1	0	1	0	0	6D	11	9	6	2C	5	6	3C	9L	7	8	3	1S	6	0	8	5	4	7	12	8	3L	4	10	1193	28	
23 LA SAPINIERE CACYLITE -ET	51	62	3 79		4	7	2	1	-1		0	2	0		-1	0	0	-1	-1	0	8	8	6	7C	0	7	4C	8S	8	-2	7	7C	-4	1	-4	-4	-2	1	3	5	2H	2	-6	1192	-9	
24 MASSE PERCEVAL ET	143	223	4 92		1	4	-1	-2	0		0	6	0		0	0	1	-1	0	3S	4	5	3	11C	3	8	14C	0	-5	-1	1	1C	-5	0	-2	-7	-2	-1	1	0	7L	-8	1	1191	19	
25 MARDEL VOLAGE ET	164	278	4 91		5	3	7	5	-5		0	7	0		0	-1	0	0	0	3S	0	-4	7	0	0	2	2C	5L	2	3	7	6S	9	8	2	9	2	-2	1	4	2	4L	3	-8	1183	-37
26 ROI RUGBY	62	80	3 78		-2	-4	2	5	-4		0	0	0		0	0	0	0	0	4D	3	3	-7	2W	4	-2	0	3L	3	2	8	4C	-3	2	5	2	0	-2	6	6	0	1L	-4	-1	1158	-5
27 SOUS L'OMBRE ALTERNO	52	70	3 76		4	7	4	-4	0		0	2	0		1	0	1	0	0	4S	4	6	5	4C	4	4	3C	1S	5	5	1	4C	0	3	-4	-7	-5	-7	-2	2	14H	6	-4	1158	28	
28 KELLCREST PASSION ET	155	219	3 91		6	6	2	1	4		0	7	0		0	0	0	-1	0	3S	-1	-2	7	2C	4	2	7W	2L	3	0	-6	5S	5	8	0	-3	3	6	2	2	7L	-3	2	1159	-9	
29 STRATHBURN STARDOM	25	58	0 76		4	4	2	1	1		0	4	1		0	-1	0	0	0	2D	-2	5	6	0	8	-1	0	1L	2	-1	-6	2S	5	2	0	2	6	3	1	4	7L	-2	3	1143	-44	
30 INGVASTA	29	54	4 72		-9	-8	3	-1	-14		0	2	1		-1	-1	0	0	-1	5D	-3	-8	-10	2C	1	-2	3W	1S	7	8	4	2C	-1	3	-2	5	-4	-1	-2	0	9L	-11	-6	1132	-37	
31 BIRGHDALE COPPER	82	107	5 84		9	8	10	4	8		0	7	1		0	-1	1	0	0	0	12	7	6	6C	5	4	5C	7L	5	8	9	5S	1	9	3	1	1	1	7	2	11H	8	11	1119	-14	
32 EMBRYO-STAR SYLVESTER ET	184	353	5 93		13	10	12	11	7		0	3	1		-1	0	-1	1	0	5S	12	10	8	8C	9	10	11C	8S	11	11	11	8C	1	12	9	11	11	5	7	7	6L	-4	5	1117	-19	
33 LAGACE MOBIL -ET	47	57	10 79		2	3	2	1	-3		0	0	0		0	0	0	0	0	2S	6	3	6	11C	3	-1	8C	4L	2	2	0	7S	6	-1	0	-4										

Model: EARLIEST

AYRSHIRE COWS

CHANGE IN EVALUATIONS FOR NEW TOP LPI COWS
AYRSHIRE - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

08:52 Friday, March 16, 2007 76

REGISTRATION NUMBER		NAME	DAM REGISTRATION NUMBER	NEW TYPE PROOFS				DIFF FINAL SCORE	DIFFERENCE IN TYPE PROOFS				C O D	NEW TYPE PROOFS										PROOFS				NEW DIFF													
REGISTRATIONBY NUMBER	BY	NAME	NUMBER	CONF	MS	F&L	DS	RP	CONF	MS	FL	DS	RP	UD	UT	MSL	FA	FTP	RAH	RAW	RTP	TL	FAN	HD	BQ	LSV	SRL	LVR	ST	FE	CW	BD	AN	LS	RA	PS	PW	LPI	LPI		
1	8278729	2 KILDARE PATSY B-JUSTICE -ET	10004346	7	5	6	8	2	0	0	-1	0	0	1	1S	6	5	3	5C	4	6	4C	4L	2	2	0	2S	4	5	6	4	6	6	6	1	1L	-1	1	2800	-32	
2	102034552	3 DES MESANGES NOEUD	10318296	5	5	7	1	0	0	1	1	0	0	0	0	7	3	6	8C	1	3	5C	2L	7	7	3	2S	7	6	1	3	2	1	3	-3	7L	-5	1	2742	38	
3	101890256	3 KELLCREST LEA	10318253	9	9	9	8	2	0	-1	-1	-1	0	0	2S	8	7	7	10C	7	8	6C	2L	8	8	2	3C	1	7	8	5	8	6	5	-1	1L	0	3	2696	-66	
4	8278732	2 KILDARE PATSY B-JUSTY -ET	10004346	6	5	4	6	1	0	0	-1	-1	0	1	1S	6	5	4	4C	2	6	3C	0	3	2	0	3S	2	4	2	0	7	6	5	-5	1H	1	1	2639	-61	
5	100303417	2 MARILIE T-B LOTUS	10313274	4	4	7	3	0	0	0	0	0	0	1	6D	8	2	2	4C	5	5	3C	2L	9	11	0	5S	4	6	6	2	2	2	2	5	-1	6L	-4	4	2561	0
6	100770523	2 LESSARD TRIDENT IRONDELE	10010568	9	11	5	9	4	0	-2	-2	0	-2	0	4S	8	10	8	3C	5	4	4C	10L	4	4	2	4S	1	5	7	7	9	10	9	2	2H	3	6	2497	-100	
7	10318253	1 KELLCREST PORSCHIE	10018765	11	11	9	8	6	0	-1	-1	0	-1	1	2S	7	8	10	7C	9	6	4C	4L	8	5	5	0	3	8	8	4	4	5	6	4	2L	1	5	2491	-47	
8	10311832	0 KILDARE DROPSTAD KATHY -ET S	10004346	4	2	3	7	3	0	0	0	0	0	1	2D	5	1	-1	1C	1	3	2C	5L	-2	1	4	5S	3	3	9	5	5	5	6	-5	2L	-4	2	2487	0	
9	8278775	3 KILDARE B-JURIST JULIAN	10304359	7	6	9	6	0	0	0	0	-1	0	0	2D	5	2	5	6C	2	5	2C	1L	4	5	7	2S	2	7	7	4	6	4	5	2	0	0	0	2454	-28	
10	101830040	4 LA SAPINIERE CACY-B	10025000	9	9	9	7	1	0	-1	-1	0	-1	0	3S	9	8	7	8C	1	8	3C	3S	8	7	3	4C	1	4	9	2	7	2	5	-4	4H	1	3	2440	-47	
11	101490132	3 KAMOURASKA JERRY VIRVANA	8329775	9	9	10	7	0	0	0	0	0	0	0	2S	9	8	7	1C	5	4	4C	5S	2	1	12	5S	8	9	-1	7	1	6	8	-2	0	-2	-1	2437	0	
12	10319488	1 KILDARE T-BRUNO PRUDENCE -ET	10004346	4	2	7	4	1	0	0	-1	0	0	1	4D	7	2	2	1C	3	4	1C	3L	3	5	2	7S	7	7	5	4	6	5	5	-3	6L	-4	4	2427	-37	
13	101616445	3 KILDARE PATSY B-JURDY -ET	10004346	6	5	4	8	3	0	0	0	0	0	1	1S	6	3	2	3C	4	7	3C	4L	0	1	0	5S	3	4	7	5	7	7	7	-3	3L	-3	4	2419	5	
14	101616445	3 HAUTPRE PARDNER KORANE	10316992	8	8	4	6	2	0	0	0	0	0	-1	3S	7	6	4	3C	4	5	4C	6L	7	4	0	1S	-2	6	4	4	1	4	6	9	8L	-5	2	2396	0	
15	100303437	3 MARILIE T-B MIDRYA	10316126	7	6	11	5	2	0	0	0	0	-1	0	3S	8	7	5	4C	3	4	5C	0	9	12	5	2S	5	9	9	6	7	4	5	2	6L	-2	5	2365	-9	
16	102008277	3 DES PRAIRIES PRETORIA -ET	10307109	10	11	6	5	1	0	0	-1	0	0	0	4S	9	9	8	1C	7	7	4C	6L	-2	-3	6	6S	6	8	-2	6	0	5	6	8	2H	-2	-1	2315	-38	
17	10007099	97 KILDARE BBK KELLYANN ET	744933	8	9	9	-2	0	0	0	0	-1	0	0	9S	9	4	6	3C	10	1	1C	11S	0	1	12	6S	4	9	-4	3	-3	-3	0	1	4H	-1	0	2310	-33	
18	8278728	2 KILDARE PATSY B-JUSTINE -ET	10004346	5	4	5	3	1	0	0	0	-1	0	1	2D	6	2	2	4C	2	4	3C	1L	0	1	0	2S	3	5	0	2	4	3	3	-1	1H	2	1	2264	-23	
19	101501588	3 LAGACE MENDARINE -ET	10024664	13	10	12	10	4	0	0	-1	0	0	0	7S	9	6	7	7C	9	8	6C	4S	7	9	5	4S	7	8	8	6	10	7	6	-1	0	0	1	2210	-37	
20	10316992	1 HAUTPRE BBK KAROLE -ET	813174	8	8	5	6	5	0	-1	-1	0	0	-1	4S	7	10	3	1C	4	2	3C	3S	7	3	2	1S	1	6	7	6	3	3	4	10	3L	0	3	2194	-37	
21	101956077	3 LAGACE MODEM BIBI	10300386	8	7	7	7	1	0	0	0	0	1	0	2S	4	0	5	3C	5	0	5C	7L	6	6	0	4S	7	7	3	-3	5	3	4	0	3L	0	0	2187	9	
22	101644220	3 DENIS BJ KINSIE	10028953	5	4	5	4	-4	0	0	0	0	0	0	2S	4	6	1	7C	8	7	2C	3S	4	5	4	5C	-1	4	0	4	3	2	3	-5	8H	-4	-7	2186	5	
23	8638506	2 GLEN MALCOLM TB BERNADETTE	10032989	4	4	6	3	-4	0	0	0	0	0	0	3D	5	-3	3	4C	1	4	3C	2L	6	10	1	2S	5	5	0	3	8	3	3	-1	9L	-5	0	2180	0	
24	101169125	2 ROI T-BRUNETTE	10021109	4	2	7	6	2	0	0	0	0	0	0	6D	7	4	3	2C	2	1	3C	2L	6	9	-1	3S	6	5	4	3	8	6	7	-1	5L	-2	4	2180	5	
25	10307109	99 DES PRAIRIES PRUDAM	10014115	10	10	6	8	7	0	0	-1	-1	0	0	3S	8	4	9	2C	6	8	6C	7L	-1	-1	3	2S	4	6	4	4	3	7	6	12	1L	1	7	2143	-65	
26	9172450	1 VIGNOSHIRE LORIE	8120094	3	2	6	0	0	0	0	0	0	-1	0	3S	6	-1	2	3C	1	0	4C	2S	4	6	1	3S	6	6	3	1	1	1	1	-2	4L	-1	5	2141	-9	
27	101830041	4 LA SAPINIERE DINALIST	100285777	6	6	4	2	1	0	0	1	-1	0	1	1D	10	6	4	10C	3	9	5C	1L	3	7	-7	2C	1	4	7	-3	2	-1	2	-3	1H	1	1	2140	9	
28	100361884	2 BERGEVIN JULIETTE	10028176	2	5	5	4	-5	0	0	0	0	0	0	1D	7	3	4	5C	6	0	6C	2L	5	7	2	4S	5	4	2	3	4	3	4	-3	11L	-9	7	2137	0	
29	8278735	3 KILDARE PATSY B-JUDITH -ET	10004346	6	4	5	5	1	0	0	-1	0	0	0	1D	6	4	2	5C	2	4	4C	5L	1	2	1	1S	2	4	4	6	5	3	4	-2	0	0	1	2126	-43	
30	10004346	96 KILDARE X PATSY ET	744933	5	3	4	7	3	0	0	-1	0	-1	0	3D	5	3	3	2W	3	2	2C	7L	-7	-6	2	10S	7	5	4	3	4	7	6	3	1L	-3	2	2119	-28	
31	100764618	2 DE LA TOUR T-BRUNO BAMBY	10019828	4	4	6	5	1	0	0	0	1	-1	0	0	8	1	4	4C	1	2	5C	3L	4	6	3	1S	3	5	4	4	7	4	5	-4	2H	-1	4	2099	18	
32	8278731	2 KILDARE PATSY B-JURRY -ET	10004346	5	4	5	6	-1	0	0	0	0	0	0	2D	6	3	2	4C	4	6	4C	3L	1	2	2	2S	3	4	1	4	6	5	5	-4	0	-1	3	2096	5	
33	8470890	2 BLACKADDER WHITNEY	820278	5	5	8	2	1	0	0	0	0	0	0	1S	9	6	4	6C	-1	1	6C	2S	7	8	11	3	2S	7	8	4	4	4	1	3	-5	5L	-2	2	2095	0
34	10311412	0 LAITQUIPE BLANCHER	10004570	3	3	3	3	3	0	0	0	-1	1	0	2S	4	1	2	4C	3	2	2C	5L	0	-1	4	2S	5	3	1	2	2	1	2	0	0	1	3	2071	-19	
35	8514484	2 FOREVER SCHOON SHRILEY	10001416	9	9	6	8	8	0	0	0	0	0	-1	5S	6	5	9	1W	3	2	1W	6L	5	5	1	1S	2	5	6	5	3	6	7	6	3L	0				

Model: EARLIEST

JERSEY BULLS

JERSEY - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

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NAME	NEW TYPE COUNTS			% REL	NEW TYPE PROOFS					DIFFERENCE IN TYPE			DIFFERENCE IN TYPE PROOFS			C D	NEW TYPE										PROOFS					NEW DIFF												
	HERDS	DAUS	RCL		CONF	MS	F&L	DS	RP	HERDS	DAUS	REL	CONF	MS	FL		DS	RP	UD	UT	MSL	FA	FTP	RAH	RAW	RTP	TL	FAN	HD	BQ	LSV	SRL	LRV	ST	FE	CW	BD	AN	LS	RA	PS	PW	LPI	LPI
1 HOLLYLANE LILIBET'S LEGACY	45	75	1 81	6	7	6	0	5	0	0	0	-1	-1	-1	-1	0	3S	7	9	0	2C	3	3	6C	0	7	4	4	5S	5	5	4	0	-2	-3	3	-2	3L	1	9	1747	-73		
2 PINE HAVEN SENIOR	49	70	1 80	10	9	2	9	9	0	0	0	0	0	0	0	0	5S	9	6	1	4C	4	6	6C	0	-1	-2	-2	2S	7	4	7	-1	8	2	7	9	4L	5	5	1515	0		
3 ROCK ELLA PARAMOUNT ET	154	297	5 92	-4	4	10	1	0	0	19	1	0	0	0	0	1	4D	8	9	-2	6C	5	7	4C	5L	5	6	10	0	7	10	1	-3	-3	-5	4	-2	1L	4	2	1497	9		
4 ROCK ELLA PERIMETER ET	382	1019	4 96	-2	-3	5	-1	-1	0	74	1	0	-1	-1	0	1	0	6D	3	5	-9	2W	-3	0	2W	2S	3	2	7	5S	3	7	4	4	0	-3	-4	6	-2	1L	-2	5	1240	-27
5 BRIDON REMAKE COMERICA -ET	43	63	0 80	10	11	4	8	11	0	0	0	-1	0	0	1	0	5S	4	4	11	10C	8	8	4C	2S	2	1	-1	2S	4	4	-1	6	11	8	5	6	2H	10	5	1232	0		
6 MASON BOOMER SOONER BERRETTA	40	89	3 89	3	5	3	-1	-1	0	9	1	0	0	0	1	0	4D	4	7	-3	2C	9	10	3C	5L	-4	-4	7	7S	2	5	-1	-3	-4	-5	2	-6	3L	0	2	1169	37		
7 CROCKETT FARMS GOLDEN HERBY-ET	37	51	2 73	3	3	-3	5	-2	0	3	2	-1	-1	-1	0	0	1S	5	5	-1	2W	6	0	4C	1S	-2	-1	7	2S	-2	7	-1	-11	-8	5	7	-2	2L	-2	-6	1138	-64		
8 MOLLY BROOK BERRETTA FLYER-ET	14	18	0 59	4	4	2	3	0	0	0	1	0	0	0	-1	0	4D	3	0	1	4W	11	13	3W	1S	-4	-2	6	2S	1	2	-3	4	-2	-2	9	-4	6L	-4	3	1123	-9		
9 REFUGE PERIMETER SHOOTER-ET	19	26	0 64	-2	-1	4	-8	1	0	0	0	-1	-1	0	0	1	4D	0	4	-7	1C	1	3	0	3S	5	3	1	3S	2	3	-1	-5	-11	-5	0	-6	3L	1	4	1091	-37		
10 WINDY WILLOW MONTANA JACE	22	41	0 71	-1	0	-1	2	-3	0	0	0	0	0	1	0	-1	10D	10	7	-4	8C	0	6	9C	5L	0	0	1	4C	-3	-5	4	-15	-2	4	2	-4	4L	-10	9	1080	27		
11 SOONER CENTURION ET	135	299	6 93	6	5	3	6	7	0	13	1	-1	0	0	0	0	4D	2	1	5	5C	6	9	2C	7S	0	0	5	3C	1	3	1	-2	1	7	7	5	2L	3	6	1073	10		
12 GIPRAT BELLES JADE ET	158	350	4 92	8	8	9	5	-2	0	28	1	-1	0	-1	0	-1	7S	8	0	10	5L	1	3	2C	4L	16	15	-1	2S	6	6	7	10	4	6	5	0	13H	-5	2	1045	-27		
13 SHF CENTURION SULTAN	67	100	2 82	8	9	-1	6	5	0	5	1	0	0	-1	0	0	5S	10	3	9	1C	9	6	2W	5L	-3	-2	5	4C	-2	0	2	-1	1	7	7	6	8H	-3	6	1037	-38		
14 LESTER SAMBO	164	368	4 92	5	8	3	4	-5	0	26	1	0	0	0	1	1	3S	5	5	6	12C	7	6	7C	2S	5	2	2	3C	0	3	2	9	-2	5	7	-3	7L	-9	-4	1015	10		
15 MOLLY BROOK BERRETTA FAIR ET	15	19	5 56	-2	-1	-1	2	-4	0								8D	-1	0	-3	1W	2	8	4C	0	-3	-4	3	0	-2	1	-4	3	-2	1	6	-2	6L	-4	2	1000	27		
16 FYN INDEX	12	40	0 68	-1	-2	0	0	-8	0	3	1	0	1	0	-1	0	3S	1	2	2	2W	4	-1	2C	2L	3	3	3	5C	-5	0	0	0	2	-1	-1	-4	3H	-3	-10	945	27		
17 ROCK MAPLE BROOK MONTANA ET	78	171	2 86	3	2	-1	10	4	-1	19	1	0	0	1	1	1	5D	7	7	-2	3C	0	9	6C	2S	-3	-3	4	0	-2	-2	9	-2	3	7	12	5	9L	-10	18	890	36		
18 SCHULTZ BROOK HALLMARK	88	202	2 89	6	6	3	3	5	0	13	1	0	-1	-1	0	1	1S	10	9	-2	9C	2	7	9C	3S	-4	-4	11	4C	-1	4	7	-5	-6	-2	8	7	3L	3	2	886	-54		
19 BARBS MBSB DECLO	29	69	9 78	3	3	-1	1	-1	0	7	1	0	1	0	-2	-1	*	4D	3	-3	1	2W	5	8	5W	6L	-6	-6	-2	5S	-1	0	-4	-4	-2	2	1	1	-1	2L	2	-3	857	18
20 MOLLY BROOK FUSION ET	236	489	3 95	8	8	7	8	3	0	7	0	-1	0	0	0	0	4D	5	8	2	1C	11	8	3C	7L	0	0	6	9S	8	10	5	-4	-2	5	8	5	3L	1	-1	826	-10		
21 DUNCAN CHIEF	68	132	2 83	2	2	5	-2	-3	0	9	1	-1	-1	0	-1	0	3S	5	4	4	0	-1	-3	6C	4S	6	6	4	2S	6	5	4	-2	-4	-1	-2	-1	1H	0	-6	824	-46		
22 BLACKYS BIG TIME-ET	31	54	0 75	2	4	-4	2	-1	0	1	1	0	-1	-1	0	0	3D	4	2	3	5C	2	10	8C	7S	-4	-2	0	11C	-4	-2	-3	-5	-2	6	2	1	2L	4	5	794	-8		
23 NORVAL ACRES PLAUDIT	63	101	1 79	7	8	2	4	1	0	6	1	0	1	0	-1	0	10S	7	3	7	1C	8	-5	3C	10L	5	5	4	4S	0	1	9	2	5	6	5	0	5H	-1	-3	773	37		
24 ROCK ELLA REMAKE ET	246	670	3 94	4	8	-2	2	1	0	43	1	-1	-1	0	-1	0	6S	6	3	5	8C	3	-2	3C	0	-2	-4	-1	8C	-3	-2	-2	8	0	-1	2	1	10H	-1	1	771	-46		
25 WF/L&M DUNCAN BARBER ET	66	164	4 87	-3	-2	-3	-3	0	0	12	1	-1	-1	-1	0	0	3C	-4	-1	-5	3C	-2	6	2C	10S	-1	-2	-1	9C	-5	-2	-3	-7	-10	-4	-3	1	2H	-1	0	769	-64		
26 MORDALE TOPSY'S GENERAL ET	90	160	2 84	-2	-4	5	2	-2	0	14	1	-1	-1	0	0	0	7D	-4	-6	-4	1C	-5	-1	1W	11S	-1	1	5	6S	5	4	-1	4	2	3	0	4	6L	-2	-4	732	-46		
27 CROCKETT FARMS GOLDEN NICK-ET	54	91	2 84	4	2	2	2	2	0	0	0	0	-1	0	0	0	2D	5	9	-4	11C	-1	5	13C	2L	0	0	10	0	1	-3	4	-1	-8	-3	9	5	5L	1	-4	725	-37		
28 PIEDMONT BARBER DESIGN	17	30	0 62	2	3	1	0	-2	0	3	2	0	0	0	0	-1	2D	2	6	1	7C	5	8	5C	5S	1	1	0	1C	-1	1	-4	-2	4	0	1	0	7H	-3	2	703	10		
29 CROCKETT FARMS GOLDEN CHAIRMAN	23	37	0 71	9	11	4	4	1	0	0	0	0	-1	0	0	0	2S	6	11	2	6C	7	10	3C	2L	1	1	11	4C	3	3	1	-1	-2	-4	9	2	3L	1	-2	687	-28		
30 VALLEYSTREAM BERRETTA BLAZE ET	69	171	3 86	0	1	-4	3	0	0	12	1	0	1	0	1	2	*	1D	-3	3	-4	2W	-4	4	2W	11L	-4	-1	-4	9S	1	-3	4	1	-3	5	5	3	-8	1L	5	7	663	46
31 VALLEYSTREAM BONUS ET	50	73	3 76	0	-1	0	4	-2	0	11	1	-1	-1	0	-1	0	3D	0	2	1	3C	-4	0	4C	2S	-2	-5	4	5S	3	0	4	2	3	10	6	-1	6L	-5	3	652	-35		
32 LENCREST TOWNSHIP -ET	42	66	5 80	6	9	5	2	0	0	0	0	0	0	1	0	-1	0	4S	13	13	0	0	5	5	2W	2S	8	5	0	3S	1	8	7	0	1	-2	6	-4	2H	-1	9	611	27	
33 H&B ALF PARAGON ET	36	88	1 80	1	2	-6	1	2	0	5	1	-1	0	0	-2	0	*	2D	0	8	1	1W	5	11	8C	10S	-8	-8	-1	5C	-9	-4	-1	0	5	3	-1	6	4L	-1	8	601	-18	
34 BW PARADE-ET	16	25	0 62	0	1	-2	0	1	0	0	1	0	1	0	0	1	9D	3	6	-6	1W	4	7	9C	3S	-6	-6	7	1S	-1	0	0	-5</											

Model: EARLIEST

JERSEY COWS

CHANGE IN EVALUATIONS FOR NEW TOP LPI COWS
JERSEY - FEBRUARY 2007 _Dall_ITBtest VERSUS FEBRUARY 2007 - BASE CHANGES: 0 KG MILK, 0 KG FAT AND 0 KG PROTEIN

08:55 Friday, March 16, 2007 77

REGISTRATION NUMBER	NAME	DAM REGISTRATION NUMBER	NEW TYPE PROOFS	DIFF FINAL SCORE	DIFFERENCE IN TYPE PROOFS	C O	NEW	TYPE	PROOFS	NEW	DIFF	
REGISTRATIONBY NUMBER	NAME	NUMBER	CONF MS F&L DS RP		CONF MS FL DS RP D		UD UT MSL FA FTP RAH RAW RTP	TL	FAN HD BQ LSV SRL LRV	ST FE CW BD AN	LS RA PS PW	LPI LPI
1 10215320	2 LENCREST PAR FOR BELLE	10209243	9 8 8 7 4	0	0 1 1 0 0		3D 9 7 6 7C 7 12 5C 7L	3 3 5 2S 5 9	4 -3 -1 4 8	2 3L 2 4	3484 54	
2 10209243	0 PIEDMONT DECLO BELLE	602088	10 8 4 10 2	0	0 0 0 -1 0		1D 7 4 6 4C 8 13 1C 4L	0 -1 1 4S 1 5	4 -1 2 7 9	2 3L -2 3	3118 -9	
3 101959115	3 LENCREST FPRIZE BELLE	10209243	13 10 11 13 7	0	-2 -1 0 -1 0		1D 6 5 8 6C 9 11 3C 2L	7 5 1 5S 8 12	3 -2 7 7 10	9 0 5 2	2608 -45	
4 7511008	4 UNIQUE JACE BELLA -ET	10215320	3 3 3 2 3	0	0 0 1 0 0		9D 10 9 0 6C 2 11 7C 8L	2 2 3 1C 1 2	6-13 -3 1 5	0 4L -4 10	2467 28	
5 101083249	3 LENCREST PARADING BELLE -ET	10209243	7 6 3 9 3	0	-1 0 0 -1 0		7D 6 7 -1 2C 7 13 6C 0	-3 -3 4 2S 1 4	2 -5 4 4 9	0 5L 0 5	2447 -9	
6 102878334	3 HAUTPRE FUSION FRANCA	10212186	6 5 3 6 4	0	0 -1 0 0 1		2D 5 7 2 2C 7 7 3C 3L	0 0 5 4S 4 5	2 -2 1 4 7	4 3L -1 4	2377 -27	
7 8578250	4 UNIQUE JACE BELLE -ET	10215320	5 4 3 7 2	0	0 0 1 0 0		3D 9 5 1 6C 3 9 7C 8L	1 2 3 1C 1 2	8-11 0 6 5	0 4L -4 8	2302 27	
8 10212184	0 HAUTPRE MONTANA FARREL -ET	10013165	5 4 1 8 6	0	-1 0 1 -1 1		1D 5 6 3 3C 4 6 1W 2L	0 0 4 1S -1 0	7 2 1 7 9	6 4L -4 11	2239 18	
9 10028484	98 SPRUCE AVENUE BERRETTA BUNY ET	573347	6 5 6 6 6	.	.	N	1D 0 1 0 1C 6 6 1C 7L	1 0 4 5S 3 7	5 2 4 4 7	0 0 1 6	2156 .	
10 8771955	3 WALLACEVILLE MAX DORENE IN	10206615	6 6 0 10 3	0	-1 0 0 0 0		0 1 2 3 0 5 4 2C 4L	0 -1 -3 4C -2 0	4 7 6 11 6	1 0 -2 -1	2084 0	
11 9341781	2 BRIDON REN EVELYN -ET	599920	7 7 9 0 4	0	0 0 1 0 0		6S 7 9 4 4C 4 5 4C 1L	7 7 6 5S 3 8	1 -3 -1 -3 1	0 1H 7 3	2045 28	
12 8823313	3 REXLEA PARAMOUNT IDA	8272150	6 5 7 6 6	0	0 0 1 0 0		0 7 10 1 6C 6 6 6C 1L	3 3 2 0 4 7	2 0 2 3 5	3 2L 3 9	2017 28	
13 9416455	1 SPRUCE AVENUE C FERN	10015043	4 4 3 3 3	0	0 0 0 -1 0		4D 2 2 1 2C 4 7 1C 3S	-1 -2 4 1C 0 3	-2 -1 1 1 7	2 1H 2 5	1966 -9	
14 10212186	0 HAUTPRE MONTANA FLORES -ET	10013165	4 3 0 4 5	0	0 0 0 0 1		2D 4 5 2 3C 2 6 3C 0	0 0 3 0 -1 0	0 0 -1 3 5	3 2L -3 9	1942 0	
15 8809622	3 CLANMAN PARAMOUNT SPARK	8073910	3 3 5 3 5	0	-1 0 0 0 0		3D 4 3 0 3C 6 4 0 3L	2 3 5 0 3 5	-0 -3 2 -1 5	3 3L 5 2	1941 0	
16 8621264	2 REXLEA CENTURION IMAGE	10013578	6 5 3 6 6	0	-1 -1 0 0 0		2D 5 3 4 3C 4 6 1C 3S	-1 -1 4 2C 2 4	2 -1 1 3 8	5 0 2 6	1873 -36	
17 8420860	2 VERDURELEA HALLMARK RAISA	10209343	4 7 -1 2 3	0	-1 0 0 0 0		6S 8 9 2 8C 1 6 5C 1S	-3 -3 4 6C -1 -1	7 5 -3 1 4	2 0 0 2	1860 0	
18 8771963	3 WALLACEVILLE MAXIMUS DAFFY 9N	10015996	2 0 0 5 -2	0	0 0 0 0 1		3D -3 0 1 2W 2 2C 0	-1 -2 -3 4C -4 -1	2 0 10 6 1	-3 1L -2 -4	1829 0	
19 10215685	2 HAUTPRE APACHE FARWEST -ET	10013165	3 2 0 1 4	0	0 0 1 0 0		7D 1 3 0 2W 5 3 4W 5S	-2 -2 3 3C -3 1	-6 0 -1 -2 2	4 4H 4 0	1802 0	
20 8436794	3 ALEAN PARAMOUNT KIT 44N	10202322	2 1 6 0 -1	0	0 0 1 1 1		5D 7 7 -4 4C 10 6 4C 0	1 1 7 1S 5 6	2 -2 -5 -2 2	3 5L -1 0	1805 37	
21 9428371	2 SKEVIEW PERIMETER GLENDA	7222696	2 1 3 3 0	0	0 0 1 0 0		3D 1 1 -2 1C -1 4 4W 0	-2 -3 3 3S 2 3	1 3 1 2 5	-1 2H 0 3	1803 27	
22 8489554	1 VALLEYSTREAM MBSB SPECIAL -ET	591894	6 4 3 6 5	0	-1 -1 0 -1 0		4D 0 8 -1 0 3 5 7C 4L	-2 -3 3 6S 3 4	2 2 2 6 6	0 2H 2 7	1801 -45	
23 8809673	4 WILLOW CREEK SHOOTER MATTY	10211752	1 3 4 -4 1	0	-1 0 0 -1 0		3D 1 5 -1 1C 0 4 1W 1S	1 0 0 3S 1 4	0 0 -6 -1 2	-6 1L 2 1	1784 -9	
24 8648418	4 WHEAT ACRES PARAMOUNT DELIGHT	10207559	5 6 5 2 1	0	0 0 1 0 0		2S 6 6 2 3C 4 5 3C 4L	4 5 4 2S 4 4	1 2 0 1 2	-1 2H 2 3	1784 27	
25 101102688	2 HAUTPRE JADE FARINELLI -ET	10013165	8 7 6 5 4	0	-1 0 -1 -1 0		3S 5 3 8 3C 4 3 1W 4L	9 9 1 2S 5 5	5 8 1 6 5	0 8H -1 3	1752 -36	
26 9295329	2 BOGHAVEN FLYER DAHLIA	7171829	7 6 5 7 2	0	0 1 0 -1 0		2S 4 -2 4 3W 8 8 2W 3L	1 2 6 1S 1 5	5 7 3 5 9	2 5L -1 2	1748 27	
27 10212185	0 HAUTPRE MONTANA FLASH -ET	10013165	3 2 0 7 4	0	0 0 1 -1 1		5D 4 5 2 0 4 6 3W 1L	0 0 3 2C -2 -1	5 2 2 7 8	7 3L -3 11	1747 8	
28 100487544	3 ROBIDOUX MEMORIAL MARGUERITE	10213869	5 5 4 5 -1	0	0 0 0 0 0		1S 5 3 -2 4W 3 3 3W 0	2 3 1 0 3 4	3 1 2 2 5	0 5L -3 2	1731 0	
29 8704429	3 SWISSBELL PARAMOUNT VIRGILIA	8420001	6 4 11 3 3	0	0 0 1 1 0		1D 7 3 0 3C 3 2 2C 1L	3 5 11 1S 7 12	0 -5 -2 1 5	0 3L 6 1	1729 26	
30 9341788	2 CAVA PARAMOUNT ROSA	10031021	7 5 8 4 6	0	-0 -1 1 0 -1		0 4 4 3 2C 4 3 4W 3L	3 4 4 0 5 7	2 0 2 0 5	5 0 8 3	1726 -19	
31 8771968	3 WALLACEVILLE MAXIMUS LESLI 13N	10205694	2 0 -3 7 0	0	1 1 0 1 0		3D -1 1 0 0 4 2 5W 4L	-1 -2 -4 4C -5 -1	1 -2 3 2 3	-1 2L -2 0	1721 46	
32 602088	95 ROCK ELLA BROOK BELLE ET	575983	7 7 6 6 -1	0	0 0 0 0 1		3S 7 7 4 6C 3 8 5C 2S	4 3 3 1C 1 6	5 1 2 3 7	0 0 -5 4	1719 0	
33 8455761	2 WESTFIELD PERIMETER MARLENE	588182	1 -1 3 0 -1	0	0 0 0 1 1		1D 2 1 -1 3W 2 -1 3W 2S	1 1 5 1S -1 4	3 -1 -2 -2 1	1 2L -2 0	1715 9	
34 10015362	97 DAVISON PERIMETER STAR 724G	592896	1 -1 7 0 2	0	-0 -1 0 1 1		6D 6 1 -5 0 1 0 4C 5S	4 3 7 4S 3 7	2 1 -5 -6 5	-2 4L -3 5	1692 -28	
35 8729852	3 SUNSTAR TIFFANY PERIMETER	10210590	3 3 5 3 5	0	-0 -1 0 1 0		0 3 3 0 0 -1 4 1W 0	4 3 2 5S 2 5	8 0 2 0 5	0 2L 4 7	1687 -27	
36 8245671	0 JALON KETCHUP 36K	584144	1 1 0 5 2	0	0 -1 0 0 0		2D 2 2 -4 2W 3 1 2W 1L	-1 -1 3 1C -1 1	2 2 1 3 6	2 3L -2 3	1684 -36	
37 10207938	99 VERDURELEA PARAMOUNT EARLA -ET	583006	1 2 3 -1 -5	.	.	N	0 7 8 -2 4C 4 4 1C 0	4 4 6 1C 3 4	-3 -1 -4 -3 0	-2 6L -3 -6	1684 .	
38 8420022	3 SWISSBELL BERRETTA STEPHI	10203814	1 3 0 2 0	0	0 0 0 0 0		4D 1 6 -4 4C 4 5 3C 3L	-3 -4 4 1S 0 2	-1 2 1 1 3	0 1H -1 1	1673 0	
39 10013578	97 REXLEA PERIMETER IOLA	585284	3 2 5 2 2	0	-1 -1 0 0 0		1S 4 3 0 0 -1 1 2W 2S	-1 -1 2 1S 2 5	1 -3 0 0 2	2 0 0 4	1650 -37	
40 8505338	2 DEJONG'S HILL SAMBO POPTART	10032192	3 6 -2 1 -2	0	-0 -1 -1 1 0		5S 1 4 4 7C 1 4 3C 1S	1 0 -2 2S 0 -1	0 2 -1 2 2	1 2L -1 0	1645 -55	
41 7511006	4 UNIQUE GOLDEN BOY JUNEBUG -ET	10200008	6 6 2 5 2	0	0 0 0 -1 0		2D 4 9 -3 6C 4 9 2C 0	-2 0 5 1S 1 3	7 -4 -3 0 8	3 2L -1 5	1645 -28	
42 8665622	2 BRAEMERE HALLMARK LARISSA	7178756	3 4 4 1 0	0	0 0 1 0 0		0 4 4 -3 4C 2 4 3C 1L	-4 -3 6 2C 0 4	3 3 -3 0 4	1 3L 3 4	1645 37	
43 8809561	3 DAVSON JACE SCARLET 361	8220027	1 2 0 3 1	0	0 1 1 -1 -1		7D 7 4 -2 5C 4 3 1C 4L	0 -1 2 2C -3 -2	1 -8 -3 5 3	-2 1L -2 6	1639 55	
44 9419915	1 HALF-ASLEEP BELLAPARAMOUNT -ET	587231	3 3 4 5 -1	0	0 1 0 0 1		1D 5 6 0 3C 4 4 2C 4L	3 3 4 0 3 4	5 3 1 3 6	-2 3L -2 1	1638 36	
45 8489571	2 VALLEYSTREAM REMAKE HONEY -ET	10007858	6 8 1 5 3	0	-1 -2 -1 0 0		2S 3 5 5 5C 3 2 2C 4L	-1 -2 2 4C -1 1	5 5 2 5 5	2 5H 1 3	1635 -101	
46 8665617	2 BRAEMERE HALLMARK JILL	7178728	3 5 0 4 3	0	0 1 0 1 1		0 5 4 0 2C 1 6 2W 2L	-4 -3 2 0 1 1	13 4 0 3 3	1 4L 1 -5	1632 56	
47 8641666	2 SPRING WATER A3 PARA PEG	10208254	3 3 5 4 2	0	0 0 1 1 1		4D 4 2 0 5C 6 6 1C 4L	5 5 8 1C 4 4	3 0 -1 2 5	0 2L 2 2	1628 36	
48 7178767	1 BRAEMERE HALLMARK BESS	7178719	6 6 4 4 7	.	.	N	1S 9 7 2 7C 2 5 6C 0	-1 -1 8 4C -1 4	8 4 3 1 5	6 3L 3 3	1616 .	
49 8420835	1 VERDURELEA PERIMETER ELAINE	10029059	-3 -3 -1 -6 -3	.	.	N	1D 2 0 -5 5W -2 -2 4W 4S	0 -1 1 0 -1 -1	2 1 -5 -8 -2	-1 4L -4 -2	1616 0	
50 10200008	98 VALLEYSTREAM BLAZE JOBY	605629	7 7 2 8 4	0	0 0 0 0 1		1D 4 7 1 2C 3 10 2C 6L	-3 -2 4 4C 2 1	9 1 2 5 11	3 3L 1 6	1615 0	
51 101111654	4 JAMALCIE HALLMARK C-C	7103569	7 7 3 5 5	0	0 0 0 -1 0 1		3S 6 6 2 7C 5 5 5C 0	-1 -1 8 2C 0 4	11 7 -1 3 8	6 0 0 2	1611 -16	
52 7438899	3 SWISSBELL CENTURION VALENCIA	8420001	8 5 7 9 7	0	0 0 1 0 -1 0		0 3 1 5 3C 3 5 1C 7S	0 3 8 1S 3 8	0 -1 2 3 2	0 5L 0 3	1610 37	
53 8882036	4 VERDURELEA JACE ROSLIN	10209343	0 4 -2 -3 -4	0	-1 -1 0 0 0		0 8 9 -1 8C 0 2 6C 0	-1 -1 3 4C 0 -5	1 -9 -4 3 -2	-6 1L -7 2	1602 37	
54 10209343	0 VERDURELEA REMAKE ROZ	583006	0 4 -5 -2 -3	0	-1 -1 -1 0 0		6S 3 5 1 4C 0 0 1C 2S	-2 -4 -4 5C 0 -5	-2 3 -2 1 -2	-5 2H -3 -3	1600 -64	
55 8454493	3 FOXLAND PERIMETER STARLET 2N	8454463	1 0 3 3 1	0	0 0 -1 0 0		5D 2 1 -2 3W -2 0 6W 0	2 2 5 2S 1 4	6 0 1 1 5	2 1L -2 5	1591 -27	
56 8392460	1 JNJ PARAGON DORTHY	10017931	3 4 -5 5 3	0	-1 0 0 -1 0		1D 2 6 -1 3W 5 10 5C 3S	-6 -5 0 4C -5 -3	2 3 8 5 4	6 2L 2 9	1586 1	
57 8420030	2 SWISSBELL PERT LARISSA	10202465	5 3 7 6 5	0	0 0 0 1 0		1S 4 1 0 2W 4 2 2W 0	5 5 4 5S 5 7	1 3 2 3 7	5 1H 4 5	1576 9	
58 8505352	2 DEJONG'S HILL SAMBO MARBLE	10207370	2 5 -1 2 -1	0	1 1 0 0 1		3S 1 3 5 4C 4 5 6C 0	1 2 -2 6C -2 -2	-4 0 -3 3 5	1 6L -4 -3	1575 37	
59 10013213	95 VAN DE DC JAN MARTHA	3687099	3 3 3 4 1	0	0 0 1 1 1		0 3 2 2 1C 3 -2 3W 0	0 1 2 2C 2 3	6 2 2 5 2	1 1L 0 -4	1562 36	
60 10215682	1 HAUTPRE PERIMETER FLORENCE -ET	10013165	3 1 4 3 5	0	-0 -1 0 -1 1		5D 3 5 -3 2W 5 1 4W 3L	2 1 3 1S 1 5	2 3 -2 3 6	-1 0 1 6	1558 -45	
61 10213033	1 DALLING VALE DELLA 2	599125	0 -2 3 1 3	0	-1 -1 1 0 0		1S 1 1 -6 3W -1 0 2W 1S	1 1 1 3S 2 3	2 1 -2 -1 2	2 3L 1 6	1554 -19	
62 7438886	3 SWISSBELL MONTANA VERLA	8419989	4 2 2 7 5	0	0 0 0 1 1		1D 6 7 0 2C -1 8 7C 1S	0 0 3 2S -1 5	4 -4 2 1 8	6 7L -2 9	1548 19	
63 10217554	4 MARSHFIELD FUSION ITALIA	10215798	7 6 7 8 5	0	-1 -1 -1 0 1		1S 4 5 3 1C 6 3 2C 6L	5 4 3 5S 8 9	5 4 2 6 8	8 0 0 1	1545 -64	
64 8644626	3 CALEDON PITINO JULIE-LEE	10213352	6 6 0 8 3	.	.	N	2S 3 4 2 3C 4 5 6C 2L	2 1 -3 2C -2 -2	8 7 5 9 8	3 2L 1 5	1542 .	
65 8613724	2 JNJ PERIMETER LIZALEIGH	8179661	-4 -4 2 -1 -3	0	0 0 0 0 0		11D 0 1 -9 4W 0 1 3W 2S	0 -1 4 2S 0 4	-6 0 -1 -1 2	-3 4L -2 1	1539 -10	
66 9486625	3 SPRUCE AVENUE C BOBBY	10209063	7 7 3 11 5	0	-1 -1 1 0 1		1D 4 4 2 10C 2 3 7C 4L	5 5 5 0 6 8	5 1 5 7 11	1 1L 3 6	1538 -9	
67 9381115	1 JALON LEAH 15L	10014524	1 0 1 3 -3	0	0 0 0 1 1		1D 6 4 0 0 -2 1 1C 2S	2 1 3 2S 0 2	2 3 0 1 3	-4 2L -4 1	1532 9	
68 8821717	4 DEJONG'S HILL MONTANA POPCORN	8505338	3 4 -3 5 2	0	-0 -1 0 1 1		1S 3 8 2 6C 0 7 3C 4S	-1 -3 0 0 -2 -3	4 -1 1 5 6	3 5L -6 10	1531 -28	
69 8845331	3 WAYMAR PARAMOUNT ANGIE	10214672	6 6 5 6 2	0	0 0 0 1 0		2S 7 7 0 5C 6 4 1C 1L	1 0 4 0 5 6	2 -4 1 0 8	6 3H 4 1	1529 28	
70 8882004	3 VERDURELEA PARAMOUNT AUTUMN	10203985	3 -1 5 8 3	0	1 0 0 0 0		3D 3 2 -3 2C 0 3 1W 5L	4 3 5 1C 2 5	6 -4 3 5 7	5 1L 5 5	1528 10	
71 7438882	3 SWISSBELL CENTURION MELISSA	8420019	6 6 2 6 2	0	-0 -1 0 0 0		1S 2 1 4 4C 5 6 3W 1S	-1 -1 0 4C 1 1	1 1 1 3 7	5 6H 0 3	1526 -37	
72 8073910	98 CLANMAN SATURN SHELLY	598047	4 2 1 7 10	0	-1 0 0 -1 0		1D 0 -2 0 2W 7 3 6W 1L	0 0 1 1 0 0	1 5 1 7 3 6	8 1L 7 7	1521 -9	