Jan 10, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY VICTORY HONEY 428 JEUSA000067108428 JH1F Born: 2/3/2010 Tag: 428

Sire: ALL LYNNS MAXIMUM VICTORY-ET JEUSA000115863934 JH1F 7JE1010

Dam: POLY FUTURITY HONEY JEUSA000067060128

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -4.7%
Pedigree Inbreeding: 5.9%
Genomic Future Inbr: 6.3%

JH1 STATUS BASED ON 6K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	152	126	26	126	51	23
Net Merit ($)	443	333	110			
Cheese Merit ($)	453	352	101			
Fluid Merit ($)	435	320	115			

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	813	709	104	709	56	25
Fat (lb)	45	45	0	45	56	25
Fat (%)	0.05	0.07	-0.02		56	25
Protein (lb)	25	25	0	25	56	25
Protein (%)	-0.02	0.00	-0.02		56	25

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	-0.1	-0.4	0.3	38	18
Productive life (mo)	4.7	2.5	2.2	43	19
Somatic cell score	2.90	2.97	0.07	47	21

TYPE					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.10	0.20	46	24
Stature	-0.10	0.00	-0.10		
Strength	0.20	0.10	0.10		
Dairy form	0.40	0.80	-0.40		
Rump angle	0.20	0.20	0.00		
Rump width	0.10	-0.10	0.20		
Rear legs (side view)	-0.60	-0.20	-0.40		
Foot angle	0.80	0.40	0.40		
Fore udder attachment	1.40	1.20	0.20		
Rear udder height	1.60	1.70	-0.10		
Rear udder width	1.30	1.58	-0.28		
Udder cleft	0.40	0.20	0.20		
Udder depth	1.30	0.80	0.50	50	26
Front teat placement	0.50	0.30	0.20		
Teat length	0.10	0.80	-0.70		

Jan 10, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY TBONE ANNIE 429 JEUSA000067108429 JH1F Born: 2/19/2010 Tag: 429

Sire: RICHIES JACE TBONE A364 JEUSA000113672851 JH1F 7JE1000

Dam: POLY ACTION ANNIE JEUSA000067078212

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 2.3%
Pedigree Inbreeding: 8.2%
Genomic Future Inbr: 9.0%

JH1 STATUS BASED ON 6K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	92	115	-23	115	62	37
Net Merit ($)	191	275	-84			
Cheese Merit ($)	244	315	-71			
Fluid Merit ($)	152	243	-91			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	244	370	-126	370	66	39
Fat (lb)	26	41	-15	41	66	39
Fat (%)	0.08	0.13	-0.05		66	39
Protein (lb)	21	20	1	20	66	39
Protein (%)	0.07	0.04	0.03		66	39

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	0.0	0.1	-0.1	51	32
Productive life (mo)	1.1	1.6	-0.5	55	33
Somatic cell score	3.08	2.97	-0.11	59	35

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.60	1.80	-0.20	58	38
Stature	0.40	0.80	-0.40		
Strength	0.40	0.60	-0.20		
Dairy form	1.60	1.40	0.20		
Rump angle	0.40	0.20	0.20		
Rump width	0.30	0.60	-0.30		
Rear legs (side view)	0.70	0.60	0.10		
Foot angle	0.60	0.80	-0.20		
Fore udder attachment	1.50	1.70	-0.20		
Rear udder height	1.20	1.40	-0.20		
Rear udder width	0.90	1.30	-0.40		
Udder cleft	0.70	1.00	-0.30		
Udder depth	0.40	0.90	-0.50	61	39
Front teat placement	1.90	2.00	-0.10		
Teat length	0.10	0.30	-0.20		

Jan 10, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY REGION JOELLE 467 JEUSA000067108467 JH1F Born: 10/22/2010 Tag: 467

Sire: MAACKDAIRY REGION-ET JEUSA000114011567 JH1F 200JE944

Dam: POLY HALLMARK JOELLE JEUSA000067060106

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 0.8%
Pedigree Inbreeding: 9.4%
Genomic Future Inbr: 8.2%

JH1 STATUS BASED ON 6K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	60	68	-8	68	61	35
Net Merit ($)	138	167	-29			
Cheese Merit ($)	153	197	-44			
Fluid Merit ($)	120	139	-19			

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	368	198	170	198	66	39
Fat (lb)	13	26	-13	26	66	39
Fat (%)	-0.02	0.09	-0.11		66	39
Protein (lb)	12	12	0	12	66	39
Protein (%)	0.00	0.03	-0.03		66	39

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	-1.1	-1.1	0.0	49	26
Productive life (mo)	1.3	1.4	-0.1	53	29
Somatic cell score	2.83	2.91	0.08	58	32

TYPE					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.80	1.20	-0.40	56	35
Stature	0.70	1.50	-0.80		
Strength	0.40	0.70	-0.30		
Dairy form	0.30	0.80	-0.50		
Rump angle	0.40	0.50	-0.10		
Rump width	0.00	0.40	-0.40		
Rear legs (side view)	0.30	0.40	-0.10		
Foot angle	0.10	0.60	-0.50		
Fore udder attachment	1.20	1.50	-0.30		
Rear udder height	0.80	1.30	-0.50		
Rear udder width	0.70	1.21	-0.51		
Udder cleft	0.30	0.30	0.00		
Udder depth	1.50	1.40	0.10	60	38
Front teat placement	0.90	0.70	0.20		
Teat length	0.20	0.60	-0.40		

Jan 10, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY VALENTINO ANDREA 475 JEUSA000067108475 JH1C Born: 12/18/2010 Tag: 475

Sire: ALL LYNNS LOUIE VALENTINO-ET JEUSA000116279413 JH1C 7JE1038

Dam: POLY MAXIMUS ANDREA JEUSA000067078285 JH1C

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -2.1%
Pedigree Inbreeding: 7.0%
Genomic Future Inbr: 6.8%

JH1 STATUS BASED ON 6K GENOTYPE: CARRIER (JH1C)

Jersey Haplotype 1 was identified and the genetic code JH1C has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	169	122	47	122	52	22
Net Merit ($)	439	298	141			
Cheese Merit ($)	488	318	170			
Fluid Merit ($)	403	291	112			

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	922	870	52	871	57	24
Fat (lb)	61	44	17	44	57	24
Fat (%)	0.11	0.02	0.09		57	24
Protein (lb)	39	31	8	31	57	24
Protein (%)	0.03	0.00	0.03		57	24

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	-1.0	-0.5	-0.5	40	17
Productive life (mo)	3.8	2.2	1.6	44	18
Somatic cell score	2.99	3.07	0.08	49	20

TYPE					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.70	0.80	0.90	47	23
Stature	1.00	0.00	1.00		
Strength	0.70	0.30	0.40		
Dairy form	1.40	0.80	0.60		
Rump angle	0.40	0.40	0.00		
Rump width	0.60	0.10	0.50		
Rear legs (side view)	0.20	0.10	0.10		
Foot angle	0.80	0.40	0.40		
Fore udder attachment	1.30	0.30	1.00		
Rear udder height	1.70	1.00	0.70		
Rear udder width	1.30	0.93	0.37		
Udder cleft	0.10	0.40	-0.30		
Udder depth	0.80	-0.10	0.90	51	25
Front teat placement	1.20	0.60	0.60		
Teat length	-0.30	0.40	-0.70		

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POLY TBONE AUDS 505 JEUSA000067157505 JH1F Born: 6/25/2011 Tag: 505

Sire: RICHIES JACE TBONE A364 JEUSA000113672851 JH1F 7JE1000

Dam: POLY ACTION AUDS JEUSA000067078236

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -0.4%
Pedigree Inbreeding: 5.8%
Genomic Future Inbr: 9.1%

JH1 STATUS BASED ON 6K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

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INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	168	107	61	107	61	36
Net Merit ($)	444	265	179			
Cheese Merit ($)	487	308	179			
Fluid Merit ($)	407	228	179			

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	601	217	384	217	66	38
Fat (lb)	59	35	24	35	66	38
Fat (%)	0.16	0.13	0.03		66	38
Protein (lb)	26	16	10	16	66	38
Protein (%)	0.02	0.04	-0.02		66	38

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	-0.2	0.4	-0.6	51	31
Productive life (mo)	3.8	1.9	1.9	54	32
Somatic cell score	2.87	2.94	0.07	59	34

TYPE					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	2.40	1.50	0.90	58	38
Stature	1.80	0.60	1.20		
Strength	0.60	0.00	0.60		
Dairy form	2.00	1.30	0.70		
Rump angle	-0.30	0.20	-0.50		
Rump width	0.80	0.30	0.50		
Rear legs (side view)	0.90	0.80	0.10		
Foot angle	0.80	0.50	0.30		
Fore udder attachment	2.20	1.30	0.90		
Rear udder height	2.30	1.30	1.00		
Rear udder width	1.80	1.21	0.59		
Udder cleft	0.90	0.80	0.10		
Udder depth	2.30	1.00	1.30	61	40
Front teat placement	2.10	1.60	0.50		
Teat length	-0.10	0.30	-0.40		

Jan 10, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY TBONE ARIEL 508 JEUSA000067157508 JH1F Born: 7/20/2011 Tag: 508

Sire: RICHIES JACE TBONE A364 JEUSA000113672851 JH1F 7JE1000

Dam: POLY SULTAN ARIEL JEUSA000067060174 JH1C

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 6.5%
Pedigree Inbreeding: 8.2%
Genomic Future Inbr: 8.9%

JH1 STATUS BASED ON 6K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	62	140	-78	140	61	38
Net Merit ($)	134	334	-200			
Cheese Merit ($)	181	402	-221			
Fluid Merit ($)	94	278	-184			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-168	408	-576	408	66	40
Fat (lb)	19	50	-31	50	66	40
Fat (%)	0.15	0.17	-0.02		66	40
Protein (lb)	7	28	-21	28	66	40
Protein (%)	0.07	0.07	0.00		66	40

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	0.0	-0.2	0.2	51	33
Productive life (mo)	1.0	2.0	-1.0	54	33
Somatic cell score	3.00	2.96	-0.04	59	36

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.40	1.60	-0.20	57	38
Stature	1.20	1.30	-0.10		
Strength	0.40	0.50	-0.10		
Dairy form	1.00	1.50	-0.50		
Rump angle	0.10	-0.30	0.40		
Rump width	0.80	0.80	0.00		
Rear legs (side view)	0.70	0.50	0.20		
Foot angle	0.70	0.80	-0.10		
Fore udder attachment	1.70	1.50	0.20		
Rear udder height	1.40	1.50	-0.10		
Rear udder width	1.10	1.39	-0.29		
Udder cleft	0.60	0.90	-0.30		
Udder depth	1.30	1.00	0.30	61	40
Front teat placement	1.50	1.90	-0.40		
Teat length	0.90	1.00	-0.10		

Jan 10, 2012 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY JUPITER HATTIE JEUSA000067085356 JH1F Born: 1/24/2009 CCN: 356

Sire: POLY PARAMOUNT JUPITER JEUSA000113770773 100JE7231

Dam: POLY SULTAN HOLLY JEUSA000067060190

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 3.7%
Pedigree Inbreeding: 9.5%
Genomic Future Inbr: 8.1%

JH1 STATUS BASED ON 50K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	150	117	33	117	68	44
Net Merit ($)	380	223	157			
Cheese Merit ($)	413	263	150			
Fluid Merit ($)	352	203	149			

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	787	794	-7	794	73	48
Fat (lb)	48	56	-8	56	73	48
Fat (%)	0.06	0.10	-0.04		73	48
Protein (lb)	30	35	-5	35	73	48
Protein (%)	0.01	0.04	-0.03		73	48

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Pregnancy rate (%)	-0.8	-1.6	0.8	57	35
Productive life (mo)	3.0	-0.4	3.4	58	30
Somatic cell score	2.88	3.17	0.29	63	36

TYPE					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.20	0.90	0.30	67	51
Stature	0.40	-0.10	0.50		
Strength	-0.40	-0.70	0.30		
Dairy form	0.80	0.50	0.30		
Rump angle	0.30	0.20	0.10		
Rump width	0.20	-0.30	0.50		
Rear legs (side view)	-0.10	-0.40	0.30		
Foot angle	0.10	-0.20	0.30		
Fore udder attachment	1.10	0.70	0.40		
Rear udder height	1.80	0.80	1.00		
Rear udder width	1.40	0.74	0.66		
Udder cleft	0.20	-0.10	0.30		
Udder depth	1.40	1.20	0.20	72	58
Front teat placement	0.20	0.20	0.00		
Teat length	-0.30	0.20	-0.50		

Jan 10, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY MAXIMUM HARRIET JEUSA000067085385 JH1F Born: 6/17/2009 CCN: 385

Sire: SUNSET CANYON MAXIMUM-ET JEUSA000111950696 JH1F 203JE607

Dam: POLY JUPITER HARMONY JEUSA000067060172

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -9.9%
Pedigree Inbreeding: 3.0%
Genomic Future Inbr: 6.0%

JH1 STATUS BASED ON 6K GENOTYPE: TESTED FREE (JH1F)

Jersey Haplotype 1 was not identified and the genetic code JH1F has been designated for this animal. JH1 is associated with embryo loss. No live calf results when JH1 is inherited from both sire and dam. At the direction of the AJCA Board of Directors, all 6K or higher density genotyped males and females will be designated with genetic codes associated with JH1 as follows: Carrier of JH1 as JH1C; Tested free of JH1 as JH1F. JH1 test status will be included on Genomic Evaluation Reports, Official AJCA Performance Pedigrees, Performance-Progeny Reports and genetic evaluation reports.

Note: The December 2011 Traditional Evaluations for yield traits and the AJCA index trait JPI are shown below in the third column from the right. Adjustments are applied by AIPL to Traditional Evaluations for yield traits to correct for bias in female genetic evaluations. The Adjusted Evaluations for January 2012 are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column Genomic Impact).

INDEX

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	Genomic REL %	Traditional REL %
JPI	119	140	-21	140	60	44
Net Merit ($)	372	440	-68			
Cheese Merit ($)	381	487	-106			
Fluid Merit ($)	369	396	-27			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	Genomic REL %	Traditional REL %
Milk (lb)	753	565	188	565	66	49
Fat (lb)	53	61	-8	61	66	49
Fat (%)	0.10	0.18	-0.08		66	49
Protein (lb)	24	26	-2	26	66	49
Protein (%)	-0.01	0.03	-0.04		66	49

Note: Genomic and Traditional Evaluations for Health, Fitness and Type traits are expressed on similar scales. No adjustments have been applied. A comparison of the Genomic Evaluation with the December 2011 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	Genomic REL %	Traditional REL %
Pregnancy rate (%)	0.3	0.2	0.1	46	30
Productive life (mo)	3.1	3.8	-0.7	49	31
Somatic cell score	3.00	2.84	-0.16	56	38

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	Genomic REL %	Traditional REL %
Final score (PTAT)	0.90	0.80	0.10	58	45
Stature	-0.50	0.10	-0.60		
Strength	0.00	0.30	-0.30		
Dairy form	1.00	0.90	0.10		
Rump angle	0.10	-0.20	0.30		
Rump width	0.00	0.20	-0.20		
Rear legs (side view)	-0.10	0.10	-0.20		
Foot angle	0.60	0.50	0.10		
Fore udder attachment	0.60	0.60	0.00		
Rear udder height	0.50	0.30	0.20		
Rear udder width	0.40	0.28	0.12		
Udder cleft	-0.20	0.20	-0.40		
Udder depth	-0.60	-0.20	-0.40	64	52
Front teat placement	1.10	1.30	-0.20		
Teat length	-0.40	-0.10	-0.30		