Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY SULTAN ARIEL JEUSA000067060174 JH1C Born: 6/7/2006 CCN: 174

Sire: SHF CENTURION SULTAN JEUSA000110404026 JH1C 200JE303

Dam: POLY PARAMOUNT AUDREY JEUSA000112643634

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -0.7%
Pedigree Inbreeding: 7.9%
Genomic Future Inbr: 8.6%

JH1 STATUS BASED ON 50K 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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	51	137	-86	137	72	54
Net Merit ($)	177	367	-190			
Cheese Merit ($)	221	418	-197			
Fluid Merit ($)	136	323	-187			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-321	463	-784	463	77	60
Fat (lb)	16	45	-29	45	77	60
Fat (%)	0.17	0.13	0.04		77	60
Protein (lb)	1	25	-24	25	77	60
Protein (%)	0.07	0.05	0.02		77	60

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	-0.2	0.0	58	38
Productive life (mo)	2.9	3.4	-0.5	63	42
Somatic cell score	2.94	2.92	-0.02	68	46

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.20	1.40	-0.20	68	52
Stature	1.10	1.40	-0.30		
Strength	0.40	0.60	-0.20		
Dairy form	1.00	1.30	-0.30		
Rump angle	-1.70	-1.50	-0.20		
Rump width	1.00	1.00	0.00		
Rear legs (side view)	0.00	0.00	0.00		
Foot angle	0.60	0.60	0.00		
Fore udder attachment	1.40	1.60	-0.20		
Rear udder height	1.60	1.80	-0.20		
Rear udder width	1.30	1.67	-0.37		
Udder cleft	0.60	0.70	-0.10		
Udder depth	0.90	1.10	-0.20	73	59
Front teat placement	0.70	0.80	-0.10		
Teat length	0.80	1.20	-0.40		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY JADE ALLIE JEUSA000067060179 JH1F Born: 7/14/2006 CCN: 179

Sire: GIPRAT BELLES JADE-ET JECAN000010008436 70JE9967

Dam: POLY HALLMARK AMIE JEUSA000113029439

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 2.3%
Pedigree Inbreeding: 4.1%
Genomic Future Inbr: 7.5%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	44	74	-30	74	71	54
Net Merit ($)	168	240	-72			
Cheese Merit ($)	187	257	-70			
Fluid Merit ($)	152	233	-81			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-250	186	-436	186	76	60
Fat (lb)	0	16	-16	16	76	60
Fat (%)	0.07	0.04	0.03		76	60
Protein (lb)	-2	11	-13	11	76	60
Protein (%)	0.04	0.02	0.02		76	60

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 (%)	1.5	0.3	1.2	57	37
Productive life (mo)	3.1	3.9	-0.8	61	42
Somatic cell score	3.06	3.11	0.05	66	45

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.90	0.90	0.00	68	55
Stature	0.90	0.90	0.00		
Strength	0.20	-0.20	0.40		
Dairy form	0.20	0.30	-0.10		
Rump angle	-0.90	-1.40	0.50		
Rump width	0.30	0.10	0.20		
Rear legs (side view)	-0.70	-0.60	-0.10		
Foot angle	1.20	1.00	0.20		
Fore udder attachment	1.60	1.40	0.20		
Rear udder height	0.80	0.40	0.40		
Rear udder width	0.60	0.37	0.23		
Udder cleft	-0.10	-0.40	0.30		
Udder depth	1.50	1.60	-0.10	74	63
Front teat placement	0.60	0.30	0.30		
Teat length	0.20	0.40	-0.20		

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POLY BELMONT WINCHESTER JEUSA000067078209 JH1F Born: 1/23/2007 CCN: 209

Sire: SILVER SPRING BELMONT JEUSA000113476213 JH1F 11JE729

Dam: POLY FREEDOM WILMA JEUSA000112030283

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 2.4%
Pedigree Inbreeding: 8.6%
Genomic Future Inbr: 8.2%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	32	-8	40	-9	71	51
Net Merit ($)	100	-16	116			
Cheese Merit ($)	73	-29	102			
Fluid Merit ($)	125	-6	131			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	324	-19	343	-19	76	58
Fat (lb)	2	-8	10	-8	76	58
Fat (%)	-0.06	-0.04	-0.02		76	58
Protein (lb)	3	-4	7	-4	76	58
Protein (%)	-0.05	-0.02	-0.03		76	58

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	-0.8	0.7	56	31
Productive life (mo)	1.3	0.0	1.3	61	37
Somatic cell score	3.01	2.98	-0.03	66	41

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.10	0.90	0.20	69	55
Stature	0.00	-0.50	0.50		
Strength	-0.40	-0.40	0.00		
Dairy form	1.20	1.00	0.20		
Rump angle	-0.20	-0.10	-0.10		
Rump width	-0.20	-0.30	0.10		
Rear legs (side view)	-0.20	-0.40	0.20		
Foot angle	1.00	0.80	0.20		
Fore udder attachment	1.00	0.90	0.10		
Rear udder height	1.10	0.80	0.30		
Rear udder width	0.80	0.74	0.06		
Udder cleft	-0.10	-0.10	0.00		
Udder depth	0.60	0.10	0.50	75	64
Front teat placement	1.00	1.30	-0.30		
Teat length	-0.90	-0.60	-0.30		

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POLY ROCKET JUNE JEUSA000067078213 JH1C Born: 2/4/2007 CCN: 213

Sire: O.F. BARBER ROCKET JEUSA000110437084 JH1C 9JE202

Dam: POLY COUNCILLER JINX JEUSA000112529187

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 8.8%
Pedigree Inbreeding: 7.5%
Genomic Future Inbr: 8.7%

JH1 STATUS BASED ON 50K 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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	24	47	-23	47	72	53
Net Merit ($)	82	112	-30			
Cheese Merit ($)	97	115	-18			
Fluid Merit ($)	69	109	-40			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-122	93	-215	93	76	58
Fat (lb)	0	0	0	0	76	58
Fat (%)	0.03	-0.02	0.05		76	58
Protein (lb)	0	3	-3	3	76	58
Protein (%)	0.03	0.00	0.03		76	58

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 (%)	1.3	1.4	-0.1	59	38
Productive life (mo)	1.8	1.6	0.2	66	42
Somatic cell score	3.02	2.97	-0.05	67	44

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.10	1.00	0.10	69	54
Stature	1.60	1.30	0.30		
Strength	1.00	0.60	0.40		
Dairy form	0.80	0.60	0.20		
Rump angle	-0.30	0.00	-0.30		
Rump width	1.20	0.90	0.30		
Rear legs (side view)	-0.10	-0.10	0.00		
Foot angle	0.30	0.40	-0.10		
Fore udder attachment	1.40	1.30	0.10		
Rear udder height	0.40	0.60	-0.20		
Rear udder width	0.30	0.56	-0.26		
Udder cleft	-0.50	0.20	-0.70		
Udder depth	0.50	1.10	-0.60	74	62
Front teat placement	0.50	0.50	0.00		
Teat length	0.20	-0.50	0.70		

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POLY JACE JACKER JEUSA000067078234 JH1F Born: 5/7/2007 CCN: 234

Sire: WINDY WILLOW MONTANA JACE JEUSA000110106571 JH1C 7JE535

Dam: POLY GOLDEN BOY JULES JEUSA000113770670

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 9.8%
Pedigree Inbreeding: 9.1%
Genomic Future Inbr: 10.4%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	98	92	6	92	73	52
Net Merit ($)	277	255	22			
Cheese Merit ($)	326	309	17			
Fluid Merit ($)	231	204	27			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	77	46	31	46	78	58
Fat (lb)	24	23	1	23	78	58
Fat (%)	0.11	0.11	0.00		78	58
Protein (lb)	12	13	-1	13	78	58
Protein (%)	0.05	0.06	-0.01		78	58

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	0.3	-0.4	60	37
Productive life (mo)	3.1	2.7	0.4	64	41
Somatic cell score	2.85	2.88	0.03	69	44

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.80	1.40	0.40	70	52
Stature	1.60	1.30	0.30		
Strength	0.40	0.30	0.10		
Dairy form	1.40	1.20	0.20		
Rump angle	0.10	0.00	0.10		
Rump width	0.60	0.40	0.20		
Rear legs (side view)	0.00	0.10	-0.10		
Foot angle	1.20	0.80	0.40		
Fore udder attachment	1.70	1.10	0.60		
Rear udder height	1.60	1.10	0.50		
Rear udder width	1.20	1.02	0.18		
Udder cleft	0.80	0.90	-0.10		
Udder depth	1.40	0.80	0.60	75	60
Front teat placement	2.20	2.00	0.20		
Teat length	0.00	0.10	-0.10		

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POLY SIGNATURE HEART JEUSA000067078238 JH1C Born: 6/2/2007 CCN: 238

Sire: FAMILY HILL AVERY SIGNATURE JEUSA000113017917 JH1F 11JE725

Dam: POLY PARAMOUNT AUDREY JEUSA000112643634

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 1.7%
Pedigree Inbreeding: 5.3%
Genomic Future Inbr: 8.1%

JH1 STATUS BASED ON 50K 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.

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	78	95	-17	95	70	52
Net Merit ($)	294	284	10			
Cheese Merit ($)	309	320	-11			
Fluid Merit ($)	274	249	25			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-155	181	-336	181	75	56
Fat (lb)	10	23	-13	23	75	56
Fat (%)	0.10	0.08	0.02		75	56
Protein (lb)	-3	12	-15	12	75	56
Protein (%)	0.01	0.03	-0.02		75	56

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	0.1	0.2	57	37
Productive life (mo)	5.4	3.5	1.9	62	42
Somatic cell score	2.84	2.85	0.01	66	43

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.20	0.10	69	56
Stature	1.00	1.40	-0.40		
Strength	0.10	0.40	-0.30		
Dairy form	0.20	0.70	-0.50		
Rump angle	-0.10	0.00	-0.10		
Rump width	0.20	0.30	-0.10		
Rear legs (side view)	-0.60	-0.30	-0.30		
Foot angle	1.20	1.00	0.20		
Fore udder attachment	1.70	1.10	0.60		
Rear udder height	1.20	1.00	0.20		
Rear udder width	1.00	0.93	0.07		
Udder cleft	0.80	1.00	-0.20		
Udder depth	2.50	1.10	1.40	75	64
Front teat placement	1.70	1.50	0.20		
Teat length	0.10	0.70	-0.60		

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POLY ACTION SUNRISE JEUSA000067078241 JH1C Born: 6/17/2007 CCN: 241

Sire: WINDY WILLOW MONTANA JACE JEUSA000110106571 JH1C 7JE535

Dam: POLY GOLDEN OLIVIA JEUSA000111931312

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 11.7%
Pedigree Inbreeding: 8.4%
Genomic Future Inbr: 10.3%

JH1 STATUS BASED ON 50K 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.

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	129	103	26	103	72	51
Net Merit ($)	341	297	44			
Cheese Merit ($)	355	321	34			
Fluid Merit ($)	327	270	57			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	810	547	263	547	77	56
Fat (lb)	40	31	9	31	77	56
Fat (%)	0.02	0.03	-0.01		77	56
Protein (lb)	25	19	6	19	77	56
Protein (%)	-0.02	0.00	-0.02		77	56

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	0.2	-0.1	59	37
Productive life (mo)	2.6	2.2	0.4	64	42
Somatic cell score	2.83	2.78	-0.05	68	43

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.40	1.10	0.30	70	54
Stature	1.70	0.70	1.00		
Strength	0.20	0.00	0.20		
Dairy form	1.40	0.70	0.70		
Rump angle	0.50	0.00	0.50		
Rump width	0.30	0.10	0.20		
Rear legs (side view)	0.20	-0.20	0.40		
Foot angle	0.90	0.80	0.10		
Fore udder attachment	1.20	0.90	0.30		
Rear udder height	0.80	0.40	0.40		
Rear udder width	0.60	0.37	0.23		
Udder cleft	0.30	0.10	0.20		
Udder depth	1.10	0.60	0.50	75	62
Front teat placement	1.80	1.30	0.50		
Teat length	0.30	0.20	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY MILITIA WINNY JEUSA000067078243 JH1F Born: 7/7/2007 CCN: 243

Sire: SUNSET CANYON RP MILITIA-ET JEUSA000111953541 JH1F 200JE990

Dam: POLY J BILL JIANNA JEUSA000114082183

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 1.7%
Pedigree Inbreeding: 6.8%
Genomic Future Inbr: 7.2%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	108	73	35	73	68	51
Net Merit ($)	303	209	94			
Cheese Merit ($)	314	212	102			
Fluid Merit ($)	300	213	87			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	749	454	295	454	73	57
Fat (lb)	33	24	9	24	73	57
Fat (%)	0.00	0.02	-0.02		73	57
Protein (lb)	25	15	10	15	73	57
Protein (%)	0.00	-0.01	0.01		73	57

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	1.2	-0.1	54	36
Productive life (mo)	3.1	2.4	0.7	58	40
Somatic cell score	3.05	3.08	0.03	64	44

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.20	0.10	0.10	65	52
Stature	0.90	1.20	-0.30		
Strength	0.40	0.60	-0.20		
Dairy form	0.40	0.50	-0.10		
Rump angle	0.80	0.60	0.20		
Rump width	0.40	0.50	-0.10		
Rear legs (side view)	-0.40	-0.20	-0.20		
Foot angle	0.90	0.60	0.30		
Fore udder attachment	-0.70	-0.40	-0.30		
Rear udder height	-0.30	-0.10	-0.20		
Rear udder width	-0.20	-0.09	-0.11		
Udder cleft	0.50	0.50	0.00		
Udder depth	-0.50	-0.30	-0.20	71	59
Front teat placement	-0.60	-0.50	-0.10		
Teat length	0.30	0.20	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY ROCKET HILARY JEUSA000067078248 JH1C Born: 7/31/2007 CCN: 248

Sire: O.F. BARBER ROCKET JEUSA000110437084 JH1C 9JE202

Dam: POLY FUTURITY JOY JEUSA000067060118

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 3.4%
Pedigree Inbreeding: 9.3%
Genomic Future Inbr: 8.8%

JH1 STATUS BASED ON 50K 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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	54	81	-27	81	71	52
Net Merit ($)	69	173	-104			
Cheese Merit ($)	73	182	-109			
Fluid Merit ($)	71	161	-90			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	412	437	-25	437	76	57
Fat (lb)	1	7	-6	7	76	57
Fat (%)	-0.10	-0.07	-0.03		76	57
Protein (lb)	13	13	0	13	76	57
Protein (%)	0.00	-0.01	0.01		76	57

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 (%)	0.7	0.8	-0.1	58	37
Productive life (mo)	0.0	1.2	-1.2	65	41
Somatic cell score	3.04	2.85	-0.19	66	43

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.10	0.20	69	55
Stature	0.90	0.60	0.30		
Strength	0.40	0.00	0.40		
Dairy form	0.90	0.70	0.20		
Rump angle	-0.10	0.10	-0.20		
Rump width	0.60	0.50	0.10		
Rear legs (side view)	0.00	0.00	0.00		
Foot angle	0.10	-0.10	0.20		
Fore udder attachment	1.60	1.70	-0.10		
Rear udder height	1.00	1.00	0.00		
Rear udder width	0.80	0.93	-0.13		
Udder cleft	0.10	-0.10	0.20		
Udder depth	0.90	1.50	-0.60	75	63
Front teat placement	0.90	0.40	0.50		
Teat length	-0.30	-0.90	0.60		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY ROCKET WAMERICA JEUSA000067078259 JH1F Born: 9/10/2007 CCN: 259

Sire: O.F. BARBER ROCKET JEUSA000110437084 JH1C 9JE202

Dam: POLY GILLER HAZEL JEUSA000067060123

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 0.6%
Pedigree Inbreeding: 4.2%
Genomic Future Inbr: 7.1%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	-43	-49	6	-50	69	50
Net Merit ($)	-128	-134	6			
Cheese Merit ($)	-169	-164	-5			
Fluid Merit ($)	-91	-106	15			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-408	-712	304	-712	74	56
Fat (lb)	-27	-26	-1	-26	74	56
Fat (%)	-0.04	0.04	-0.08		74	56
Protein (lb)	-21	-26	5	-26	74	56
Protein (%)	-0.03	0.00	-0.03		74	56

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	1.2	-0.4	55	35
Productive life (mo)	-0.3	-0.2	-0.1	63	40
Somatic cell score	3.11	3.16	0.05	64	42

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.00	0.70	0.30	66	51
Stature	0.20	0.70	-0.50		
Strength	-0.30	-0.30	0.00		
Dairy form	-0.30	-0.70	0.40		
Rump angle	-0.80	-0.90	0.10		
Rump width	0.20	0.20	0.00		
Rear legs (side view)	-0.30	-0.40	0.10		
Foot angle	0.40	0.40	0.00		
Fore udder attachment	1.60	1.80	-0.20		
Rear udder height	0.40	0.50	-0.10		
Rear udder width	0.30	0.46	-0.16		
Udder cleft	0.30	-0.10	0.40		
Udder depth	2.00	2.90	-0.90	71	58
Front teat placement	0.10	-0.30	0.40		
Teat length	-0.70	-0.30	-0.40		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY COMERICA JACOBA JEUSA000067078273 JH1F Born: 11/6/2007 CCN: 273

Sire: BRIDON REMAKE COMERICA-ET JECAN000008422994 JH1F 200JE131

Dam: POLY TIDY JILLION JEUSA000114304131

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -0.9%
Pedigree Inbreeding: 3.8%
Genomic Future Inbr: 6.0%

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 December 2011 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	-27	-7	-20	-8	67	49
Net Merit ($)	-79	-39	-40			
Cheese Merit ($)	-70	-38	-32			
Fluid Merit ($)	-88	-42	-46			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-685	-288	-397	-288	72	55
Fat (lb)	19	21	-2	21	72	55
Fat (%)	0.28	0.19	0.09		72	55
Protein (lb)	-17	-8	-9	-8	72	55
Protein (%)	0.04	0.01	0.03		72	55

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 (%)	-0.4	-1.0	0.6	53	34
Productive life (mo)	-1.8	-1.6	-0.2	57	38
Somatic cell score	3.04	3.01	-0.03	62	41

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.80	1.10	-0.30	64	51
Stature	0.80	0.40	0.40		
Strength	1.00	1.00	0.00		
Dairy form	0.20	0.40	-0.20		
Rump angle	-0.20	-0.40	0.20		
Rump width	1.40	1.40	0.00		
Rear legs (side view)	-0.10	-0.10	0.00		
Foot angle	0.20	0.50	-0.30		
Fore udder attachment	1.80	1.60	0.20		
Rear udder height	0.40	0.70	-0.30		
Rear udder width	0.30	0.65	-0.35		
Udder cleft	-0.30	0.10	-0.40		
Udder depth	2.10	1.30	0.80	70	58
Front teat placement	1.10	0.90	0.20		
Teat length	0.90	0.80	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY ROCKET HAILEY JEUSA000067078275 JH1F Born: 11/24/2007 CCN: 275

Sire: O.F. BARBER ROCKET JEUSA000110437084 JH1C 9JE202

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: 0.9%
Pedigree Inbreeding: 11.2%
Genomic Future Inbr: 8.4%

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 December 2011 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	110	82	28	82	71	51
Net Merit ($)	247	176	71			
Cheese Merit ($)	263	172	91			
Fluid Merit ($)	235	183	52			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	523	359	164	359	75	56
Fat (lb)	17	11	6	11	75	56
Fat (%)	-0.04	-0.03	-0.01		75	56
Protein (lb)	19	10	9	10	75	56
Protein (%)	0.00	-0.01	0.01		75	56

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	57	36
Productive life (mo)	1.8	1.3	0.5	65	41
Somatic cell score	2.96	3.03	0.07	66	42

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.20	0.10	69	54
Stature	-0.40	-0.70	0.30		
Strength	-0.20	-0.40	0.20		
Dairy form	1.20	1.30	-0.10		
Rump angle	0.00	-0.20	0.20		
Rump width	0.10	-0.10	0.20		
Rear legs (side view)	0.10	0.10	0.00		
Foot angle	-0.40	-0.60	0.20		
Fore udder attachment	1.90	1.70	0.20		
Rear udder height	2.00	2.20	-0.20		
Rear udder width	1.60	2.04	-0.44		
Udder cleft	0.30	0.50	-0.20		
Udder depth	0.80	0.80	0.00	74	61
Front teat placement	1.20	1.30	-0.10		
Teat length	-0.80	-0.30	-0.50		

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POLY COMERICA KATHERINE JEUSA000067078277 JH1F Born: 12/13/2007 CCN: 277

Sire: BRIDON REMAKE COMERICA-ET JECAN000008422994 JH1F 200JE131

Dam: POLY GOLDEN KATIE JEUSA000067060103

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 1.9%
Pedigree Inbreeding: 3.8%
Genomic Future Inbr: 7.2%

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 December 2011 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	-1	-58	57	-59	68	48
Net Merit ($)	13	-124	137			
Cheese Merit ($)	49	-113	162			
Fluid Merit ($)	-23	-141	118			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-979	-1182	203	-1182	73	54
Fat (lb)	5	-16	21	-16	73	54
Fat (%)	0.28	0.22	0.06		73	54
Protein (lb)	-20	-32	12	-32	73	54
Protein (%)	0.08	0.06	0.02		73	54

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	55	34
Productive life (mo)	0.6	0.1	0.5	59	37
Somatic cell score	2.97	2.99	0.02	64	40

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.00	0.30	65	49
Stature	-0.40	-0.30	-0.10		
Strength	0.40	0.30	0.10		
Dairy form	-0.20	-0.30	0.10		
Rump angle	-1.80	-1.50	-0.30		
Rump width	0.80	0.80	0.00		
Rear legs (side view)	0.10	-0.20	0.30		
Foot angle	0.60	0.50	0.10		
Fore udder attachment	2.80	2.40	0.40		
Rear udder height	0.90	0.50	0.40		
Rear udder width	0.70	0.46	0.24		
Udder cleft	0.50	0.20	0.30		
Udder depth	3.20	2.90	0.30	71	57
Front teat placement	2.00	2.00	0.00		
Teat length	-0.70	-0.80	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY SULTAN JACKIE JEUSA000067078283 JH1C Born: 1/20/2008 CCN: 283

Sire: SHF CENTURION SULTAN JEUSA000110404026 JH1C 200JE303

Dam: POLY COUNCILLER JINX JEUSA000112529187

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 8.5%
Pedigree Inbreeding: 10.2%
Genomic Future Inbr: 7.4%

JH1 STATUS BASED ON 50K 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 December 2011 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	-55	-8	-47	-9	68	47
Net Merit ($)	-139	-21	-118			
Cheese Merit ($)	-114	1	-115			
Fluid Merit ($)	-168	-44	-124			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-781	-423	-358	-423	73	52
Fat (lb)	-14	-5	-9	-5	73	52
Fat (%)	0.12	0.08	0.04		73	52
Protein (lb)	-17	-7	-10	-7	73	52
Protein (%)	0.06	0.04	0.02		73	52

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	-0.9	-0.1	56	36
Productive life (mo)	-0.4	0.9	-1.3	60	39
Somatic cell score	2.94	2.98	0.04	64	41

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.00	1.10	-0.10	64	47
Stature	1.50	1.20	0.30		
Strength	0.80	0.70	0.10		
Dairy form	0.60	0.50	0.10		
Rump angle	-0.70	-1.10	0.40		
Rump width	0.80	1.00	-0.20		
Rear legs (side view)	0.20	0.00	0.20		
Foot angle	0.10	0.30	-0.20		
Fore udder attachment	1.30	1.50	-0.20		
Rear udder height	0.20	0.70	-0.50		
Rear udder width	0.20	0.65	-0.45		
Udder cleft	0.00	0.10	-0.10		
Udder depth	1.20	1.50	-0.30	70	54
Front teat placement	0.40	0.50	-0.10		
Teat length	0.50	0.50	0.00		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY MAXIMUS ANDREA JEUSA000067078285 JH1C Born: 2/5/2008 CCN: 285

Sire: SUNSET CANYON MAXIMUS-ET JEUSA000111355530 JH1F 7JE620

Dam: POLY SIGNATURE AMBERLISSA JEUSA000067060147

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -4.9%
Pedigree Inbreeding: 3.2%
Genomic Future Inbr: 5.9%

JH1 STATUS BASED ON 50K 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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	46	54	-8	54	64	49
Net Merit ($)	143	205	-62			
Cheese Merit ($)	168	232	-64			
Fluid Merit ($)	129	185	-56			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	153	-31	184	-31	70	54
Fat (lb)	34	33	1	33	70	54
Fat (%)	0.15	0.19	-0.04		70	54
Protein (lb)	12	6	6	6	70	54
Protein (%)	0.04	0.04	0.00		70	54

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	0.0	-1.1	51	36
Productive life (mo)	1.3	2.3	-1.0	55	39
Somatic cell score	3.12	3.04	-0.08	59	41

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.20	0.20	0.00	62	50
Stature	-1.10	-0.70	-0.40		
Strength	-0.10	0.00	-0.10		
Dairy form	0.30	0.00	0.30		
Rump angle	0.10	0.00	0.10		
Rump width	-0.50	-0.40	-0.10		
Rear legs (side view)	0.40	0.00	0.40		
Foot angle	-0.10	0.20	-0.30		
Fore udder attachment	0.10	0.20	-0.10		
Rear udder height	0.00	0.20	-0.20		
Rear udder width	0.00	0.19	-0.19		
Udder cleft	-0.10	0.00	-0.10		
Udder depth	-0.10	0.30	-0.40	68	58
Front teat placement	0.70	0.40	0.30		
Teat length	0.20	0.70	-0.50		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY SULTAN JACINDA JEUSA000067078291 JH1C Born: 3/30/2008 CCN: 291

Sire: SHF CENTURION SULTAN JEUSA000110404026 JH1C 200JE303

Dam: POLY REMAKE JENNIFER JEUSA000110602910

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 6.9%
Pedigree Inbreeding: 9.2%
Genomic Future Inbr: 8.4%

JH1 STATUS BASED ON 50K 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 December 2011 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	40	29	11	29	71	51
Net Merit ($)	108	78	30			
Cheese Merit ($)	104	85	19			
Fluid Merit ($)	110	71	39			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	85	-239	324	-239	76	56
Fat (lb)	6	7	-1	7	76	56
Fat (%)	0.01	0.10	-0.09		76	56
Protein (lb)	1	-5	6	-5	76	56
Protein (%)	-0.01	0.02	-0.03		76	56

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	0.1	0.1	57	36
Productive life (mo)	2.1	2.0	0.1	62	40
Somatic cell score	2.96	3.02	0.06	67	43

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.20	1.30	-0.10	67	51
Stature	2.20	2.20	0.00		
Strength	1.00	1.50	-0.50		
Dairy form	1.00	0.90	0.10		
Rump angle	-1.00	-0.80	-0.20		
Rump width	1.50	1.80	-0.30		
Rear legs (side view)	0.00	0.00	0.00		
Foot angle	0.30	0.30	0.00		
Fore udder attachment	1.90	2.30	-0.40		
Rear udder height	1.20	1.80	-0.60		
Rear udder width	0.90	1.67	-0.77		
Udder cleft	-0.20	-0.10	-0.10		
Udder depth	2.00	2.20	-0.20	73	59
Front teat placement	0.40	0.30	0.10		
Teat length	0.90	0.70	0.20		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY SULTAN JACLYN JEUSA000067078294 JH1C Born: 4/11/2008 CCN: 294

Sire: SHF CENTURION SULTAN JEUSA000110404026 JH1C 200JE303

Dam: POLY J BILL JAYNE JEUSA000114082147

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 4.9%
Pedigree Inbreeding: 11.3%
Genomic Future Inbr: 7.9%

JH1 STATUS BASED ON 50K 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 December 2011 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	45	17	45	69	49
Net Merit ($)	95	85	10			
Cheese Merit ($)	104	96	8			
Fluid Merit ($)	95	82	13			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	497	174	323	174	74	53
Fat (lb)	15	14	1	14	74	53
Fat (%)	-0.04	0.03	-0.07		74	53
Protein (lb)	18	9	9	9	74	53
Protein (%)	0.00	0.02	-0.02		74	53

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 (%)	-0.7	-0.8	0.1	56	35
Productive life (mo)	0.2	0.9	-0.7	61	40
Somatic cell score	3.07	3.10	0.03	65	41

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.20	1.20	0.00	68	54
Stature	0.40	0.20	0.20		
Strength	0.40	0.30	0.10		
Dairy form	0.70	0.70	0.00		
Rump angle	-1.30	-1.40	0.10		
Rump width	0.90	0.80	0.10		
Rear legs (side view)	0.10	0.10	0.00		
Foot angle	0.30	0.20	0.10		
Fore udder attachment	1.50	1.60	-0.10		
Rear udder height	1.00	1.10	-0.10		
Rear udder width	0.80	1.02	-0.22		
Udder cleft	0.10	0.30	-0.20		
Udder depth	0.90	1.10	-0.20	74	62
Front teat placement	0.70	0.50	0.20		
Teat length	1.20	1.50	-0.30		

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POLY JUNIOR DAMIA JEUSA000067078296 JH1F Born: 5/1/2008 CCN: 296

Sire: POLY JACE JUNIOR JEUSA000067210146

Dam: POLY ACTION DIVA JEUSA000067060157

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 2.4%
Pedigree Inbreeding: 7.7%
Genomic Future Inbr: 9.0%

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 December 2011 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	106	45	61	45	68	42
Net Merit ($)	316	143	173			
Cheese Merit ($)	363	176	187			
Fluid Merit ($)	268	111	157			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-101	-324	223	-324	74	49
Fat (lb)	29	9	20	9	74	49
Fat (%)	0.19	0.13	0.06		74	49
Protein (lb)	6	-2	8	-2	74	49
Protein (%)	0.06	0.05	0.01		74	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 (%)	0.7	0.7	0.0	52	22
Productive life (mo)	3.5	2.2	1.3	57	27
Somatic cell score	2.83	2.95	0.12	63	30

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	2.00	1.20	0.80	65	44
Stature	1.60	0.80	0.80		
Strength	0.60	-0.10	0.70		
Dairy form	1.30	1.10	0.20		
Rump angle	-0.50	-0.20	-0.30		
Rump width	0.90	0.10	0.80		
Rear legs (side view)	0.20	0.50	-0.30		
Foot angle	0.80	0.10	0.70		
Fore udder attachment	2.40	1.30	1.10		
Rear udder height	2.40	1.30	1.10		
Rear udder width	1.80	1.21	0.59		
Udder cleft	0.80	0.50	0.30		
Udder depth	2.00	1.10	0.90	71	53
Front teat placement	1.50	0.90	0.60		
Teat length	-0.30	-0.30	0.00		

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POLY ACTION DACID JEUSA000067085304 JH1F Born: 5/18/2008 CCN: 304

Sire: FOREST GLEN AVERY ACTION-ET JEUSA000111023978 JH1F 7JE590

Dam: POLY JUPITER DARLENE JEUSA000114600750

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 3.4%
Pedigree Inbreeding: 4.1%
Genomic Future Inbr: 9.5%

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 December 2011 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	96	22	74	22	69	42
Net Merit ($)	246	85	161			
Cheese Merit ($)	259	88	171			
Fluid Merit ($)	233	78	155			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	395	-290	685	-290	74	46
Fat (lb)	21	-3	24	-3	74	46
Fat (%)	0.02	0.06	-0.04		74	46
Protein (lb)	13	-9	22	-9	74	46
Protein (%)	0.00	0.01	-0.01		74	46

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	0.9	-1.2	56	29
Productive life (mo)	2.5	1.9	0.6	60	33
Somatic cell score	2.89	2.92	0.03	65	34

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.70	0.80	0.90	66	45
Stature	0.40	0.20	0.20		
Strength	-0.50	-0.30	-0.20		
Dairy form	1.60	0.90	0.70		
Rump angle	-1.00	-0.50	-0.50		
Rump width	0.00	0.00	0.00		
Rear legs (side view)	0.90	0.70	0.20		
Foot angle	-0.10	-0.10	0.00		
Fore udder attachment	2.00	1.10	0.90		
Rear udder height	2.10	1.10	1.00		
Rear udder width	1.60	1.02	0.58		
Udder cleft	0.10	0.60	-0.50		
Udder depth	2.10	1.10	1.00	71	52
Front teat placement	0.80	0.60	0.20		
Teat length	-0.30	-0.20	-0.10		

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POLY SENDOFF DAISY JEUSA000067085322 JH1F Born: 7/30/2008 CCN: 322

Sire: BW SENDOFF-ET JEUSA000114664402 JH1C 7JE878

Dam: POLY JADE DEBBIE JEUSA000113500507

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 8.7%
Pedigree Inbreeding: 7.0%
Genomic Future Inbr: 7.9%

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 December 2011 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	44	41	3	41	68	46
Net Merit ($)	181	178	3			
Cheese Merit ($)	146	157	-11			
Fluid Merit ($)	215	194	21			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	273	87	186	87	74	53
Fat (lb)	6	0	6	0	74	53
Fat (%)	-0.03	-0.02	-0.01		74	53
Protein (lb)	0	-3	3	-3	74	53
Protein (%)	-0.04	-0.03	-0.01		74	53

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 (%)	1.5	1.2	0.3	52	26
Productive life (mo)	3.1	3.4	-0.3	58	32
Somatic cell score	3.06	2.96	-0.10	64	37

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.60	0.70	-0.10	65	46
Stature	-0.50	-0.30	-0.20		
Strength	-0.10	-0.20	0.10		
Dairy form	-0.10	-0.30	0.20		
Rump angle	-0.40	-0.70	0.30		
Rump width	-0.20	-0.20	0.00		
Rear legs (side view)	0.20	0.00	0.20		
Foot angle	0.60	0.50	0.10		
Fore udder attachment	0.90	1.20	-0.30		
Rear udder height	0.50	0.60	-0.10		
Rear udder width	0.40	0.56	-0.16		
Udder cleft	-0.10	-0.10	0.00		
Udder depth	0.10	0.90	-0.80	71	56
Front teat placement	0.60	0.30	0.30		
Teat length	0.60	0.30	0.30		

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POLY SULTAN ALLYSON JEUSA000067085325 JH1F Born: 8/6/2008 CCN: 325

Sire: SHF CENTURION SULTAN JEUSA000110404026 JH1C 200JE303

Dam: POLY JADE ALLIE JEUSA000067060179 JH1F

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

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

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	112	83	29	83	70	46
Net Merit ($)	294	217	77			
Cheese Merit ($)	332	248	84			
Fluid Merit ($)	263	198	65			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	323	245	78	245	75	51
Fat (lb)	28	30	-2	30	75	51
Fat (%)	0.07	0.10	-0.03		75	51
Protein (lb)	18	16	2	16	75	51
Protein (%)	0.04	0.04	0.00		75	51

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 (%)	0.4	-0.4	0.8	58	35
Productive life (mo)	3.0	2.2	0.8	61	35
Somatic cell score	2.95	3.10	0.15	66	40

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.20	0.10	66	47
Stature	0.90	0.50	0.40		
Strength	0.30	-0.10	0.40		
Dairy form	0.80	0.60	0.20		
Rump angle	-1.20	-1.80	0.60		
Rump width	0.70	0.40	0.30		
Rear legs (side view)	-0.20	-0.10	-0.10		
Foot angle	0.50	0.40	0.10		
Fore udder attachment	1.60	1.50	0.10		
Rear udder height	1.40	0.90	0.50		
Rear udder width	1.10	0.83	0.27		
Udder cleft	0.60	0.00	0.60		
Udder depth	1.50	1.50	0.00	71	53
Front teat placement	0.50	0.40	0.10		
Teat length	0.70	0.70	0.00		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY VINDICATION JASMIN JEUSA000067085326 JH1F Born: 8/8/2008 CCN: 326

Sire: VINDICATION JEUSA000113076851 JH1F 94JE3437

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: 2.5%
Pedigree Inbreeding: 3.8%
Genomic Future Inbr: 7.6%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	-8	35	-43	35	69	49
Net Merit ($)	55	160	-105			
Cheese Merit ($)	108	198	-90			
Fluid Merit ($)	-4	113	-117			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-1024	-590	-434	-590	74	55
Fat (lb)	-13	-10	-3	-10	74	55
Fat (%)	0.19	0.10	0.09		74	55
Protein (lb)	-20	-11	-9	-11	74	55
Protein (%)	0.09	0.06	0.03		74	55

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	1.7	-0.6	56	35
Productive life (mo)	1.5	3.0	-1.5	58	34
Somatic cell score	2.78	2.76	-0.02	65	42

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.50	1.00	-0.50	66	51
Stature	-0.30	0.70	-1.00		
Strength	-0.70	0.00	-0.70		
Dairy form	-0.30	0.50	-0.80		
Rump angle	0.20	0.30	-0.10		
Rump width	-0.90	-0.10	-0.80		
Rear legs (side view)	0.00	-0.20	0.20		
Foot angle	0.10	0.50	-0.40		
Fore udder attachment	1.20	1.20	0.00		
Rear udder height	0.50	1.10	-0.60		
Rear udder width	0.40	1.02	-0.62		
Udder cleft	-0.20	0.20	-0.40		
Udder depth	1.80	1.70	0.10	72	59
Front teat placement	0.90	0.80	0.10		
Teat length	0.80	0.70	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY COUNTRY JULIA JEUSA000067085332 JH1F Born: 8/28/2008 CCN: 332

Sire: BW COUNTRY-ET JEUSA000110834238 JH1C 200JE989

Dam: POLY FUTURITY JOY JEUSA000067060118

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 4.5%
Pedigree Inbreeding: 7.6%
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 December 2011 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	58	68	-10	68	69	49
Net Merit ($)	147	172	-25			
Cheese Merit ($)	130	153	-23			
Fluid Merit ($)	164	186	-22			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	406	659	-253	659	74	54
Fat (lb)	13	17	-4	17	74	54
Fat (%)	-0.02	-0.07	0.05		74	54
Protein (lb)	8	13	-5	13	74	54
Protein (%)	-0.03	-0.05	0.02		74	54

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 (%)	0.6	0.0	0.6	55	34
Productive life (mo)	1.7	1.5	0.2	58	35
Somatic cell score	3.01	2.88	-0.13	65	42

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.20	1.00	0.20	67	52
Stature	0.90	0.00	0.90		
Strength	1.00	0.40	0.60		
Dairy form	0.20	0.40	-0.20		
Rump angle	0.70	0.10	0.60		
Rump width	0.20	0.10	0.10		
Rear legs (side view)	0.00	0.40	-0.40		
Foot angle	0.10	-0.40	0.50		
Fore udder attachment	1.20	0.90	0.30		
Rear udder height	1.60	1.20	0.40		
Rear udder width	1.30	1.11	0.19		
Udder cleft	1.00	0.80	0.20		
Udder depth	0.10	-0.40	0.50	72	59
Front teat placement	0.10	0.50	-0.40		
Teat length	1.20	1.10	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY JUPITER HOLLY JEUSA000067085333 JH1F Born: 8/31/2008 CCN: 333

Sire: POLY PARAMOUNT JUPITER JEUSA000113770773 100JE7231

Dam: POLY BARKLY HAVEN JEUSA000114115971

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 9.7%
Pedigree Inbreeding: 11.9%
Genomic Future Inbr: 8.6%

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 December 2011 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	47	43	4	43	66	39
Net Merit ($)	93	90	3			
Cheese Merit ($)	94	93	1			
Fluid Merit ($)	93	89	4			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	398	202	196	202	73	46
Fat (lb)	8	5	3	5	73	46
Fat (%)	-0.05	-0.02	-0.03		73	46
Protein (lb)	11	7	4	7	73	46
Protein (%)	-0.01	0.00	-0.01		73	46

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	0.5	0.6	52	22
Productive life (mo)	0.0	0.6	-0.6	55	22
Somatic cell score	2.96	3.02	0.06	62	30

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.30	0.50	-0.20	62	38
Stature	-0.30	-1.00	0.70		
Strength	0.10	-0.50	0.60		
Dairy form	0.50	0.40	0.10		
Rump angle	-0.20	-0.30	0.10		
Rump width	0.20	-0.20	0.40		
Rear legs (side view)	-0.10	-0.20	0.10		
Foot angle	-0.30	-0.20	-0.10		
Fore udder attachment	-0.10	0.20	-0.30		
Rear udder height	0.00	0.40	-0.40		
Rear udder width	0.00	0.37	-0.37		
Udder cleft	0.60	0.70	-0.10		
Udder depth	-0.30	0.20	-0.50	68	47
Front teat placement	0.80	1.00	-0.20		
Teat length	-1.00	-0.60	-0.40		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA GRYTA JEUSA000067085338 JH1F Born: 9/15/2008 CCN: 338

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY LASER GYWN JEUSA000067060189

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 4.7%
Pedigree Inbreeding: 7.5%
Genomic Future Inbr: 8.7%

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 December 2011 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	48	43	5	43	69	46
Net Merit ($)	103	101	2			
Cheese Merit ($)	61	97	-36			
Fluid Merit ($)	141	107	34			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	313	97	216	97	74	51
Fat (lb)	16	14	2	14	74	51
Fat (%)	0.01	0.05	-0.04		74	51
Protein (lb)	0	2	-2	2	74	51
Protein (%)	-0.06	-0.01	-0.05		74	51

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	-0.3	0.2	56	34
Productive life (mo)	0.4	0.8	-0.4	59	34
Somatic cell score	3.04	3.02	-0.02	65	39

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.90	1.50	0.40	65	45
Stature	1.60	1.50	0.10		
Strength	-0.20	-0.20	0.00		
Dairy form	0.90	0.80	0.10		
Rump angle	-0.10	-0.40	0.30		
Rump width	0.50	0.50	0.00		
Rear legs (side view)	-0.80	-0.70	-0.10		
Foot angle	1.10	0.80	0.30		
Fore udder attachment	1.50	1.20	0.30		
Rear udder height	1.80	1.30	0.50		
Rear udder width	1.40	1.21	0.19		
Udder cleft	0.50	0.20	0.30		
Udder depth	2.50	2.00	0.50	70	52
Front teat placement	1.10	1.00	0.10		
Teat length	0.20	0.20	0.00		

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POLY BIG SHOW HOPE JEUSA000067085348 JH1F Born: 12/1/2008 CCN: 348

Sire: RJF BIG SHOW JECAN000008804402 JH1F 200JE323

Dam: POLY GOLDEN BOY HOPEFULLY JEUSA000060934414

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 6.2%
Pedigree Inbreeding: 8.5%
Genomic Future Inbr: 9.4%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	-38	5	-43	5	70	45
Net Merit ($)	-62	83	-145			
Cheese Merit ($)	-83	80	-163			
Fluid Merit ($)	-45	81	-126			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-338	-425	87	-425	75	51
Fat (lb)	-18	-10	-8	-10	75	51
Fat (%)	-0.01	0.05	-0.06		75	51
Protein (lb)	-15	-14	-1	-14	75	51
Protein (%)	0.00	0.01	-0.01		75	51

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	-0.2	-0.6	58	34
Productive life (mo)	0.6	2.9	-2.3	59	28
Somatic cell score	3.03	2.94	-0.09	67	39

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.90	1.20	-0.30	66	44
Stature	-0.90	-0.60	-0.30		
Strength	-0.60	-0.50	-0.10		
Dairy form	0.60	0.80	-0.20		
Rump angle	-1.50	-1.50	0.00		
Rump width	-0.20	0.00	-0.20		
Rear legs (side view)	-0.30	-0.30	0.00		
Foot angle	0.50	0.50	0.00		
Fore udder attachment	1.10	1.50	-0.40		
Rear udder height	0.60	1.40	-0.80		
Rear udder width	0.40	1.30	-0.90		
Udder cleft	-0.40	0.00	-0.40		
Udder depth	1.10	1.50	-0.40	71	52
Front teat placement	1.20	0.90	0.30		
Teat length	0.70	0.80	-0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA WINNIE JEUSA000067085350 JH1F Born: 12/8/2008 CCN: 350

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY BELMONT WINCHESTER JEUSA000067078209 JH1F

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 4.0%
Pedigree Inbreeding: 8.4%
Genomic Future Inbr: 8.3%

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 December 2011 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	-1	26	-27	26	69	46
Net Merit ($)	13	61	-48			
Cheese Merit ($)	0	69	-69			
Fluid Merit ($)	25	50	-25			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-228	-102	-126	-102	74	51
Fat (lb)	-3	-1	-2	-1	74	51
Fat (%)	0.05	0.02	0.03		74	51
Protein (lb)	-10	-2	-8	-2	74	51
Protein (%)	0.00	0.01	-0.01		74	51

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	-0.3	0.4	56	34
Productive life (mo)	0.2	0.3	-0.1	59	34
Somatic cell score	3.03	2.92	-0.11	65	39

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.40	1.60	-0.20	65	47
Stature	0.50	0.20	0.30		
Strength	-0.40	-0.50	0.10		
Dairy form	0.90	1.10	-0.20		
Rump angle	-1.10	-0.80	-0.30		
Rump width	0.20	0.10	0.10		
Rear legs (side view)	-1.00	-0.80	-0.20		
Foot angle	1.00	0.80	0.20		
Fore udder attachment	1.20	1.30	-0.10		
Rear udder height	1.40	1.60	-0.20		
Rear udder width	1.10	1.48	-0.38		
Udder cleft	0.10	0.40	-0.30		
Udder depth	1.30	1.20	0.10	70	54
Front teat placement	1.00	1.50	-0.50		
Teat length	0.40	0.20	0.20		

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POLY IATOLA VIOLET JEUSA000067085354 JH1F Born: 1/12/2009 CCN: 354

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY ACTION VIOLA JEUSA000067060145

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 2.5%
Pedigree Inbreeding: 7.2%
Genomic Future Inbr: 8.3%

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 December 2011 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	74	85	-11	85	68	46
Net Merit ($)	209	194	15			
Cheese Merit ($)	229	203	26			
Fluid Merit ($)	183	186	-3			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	234	399	-165	399	73	51
Fat (lb)	35	28	7	28	73	51
Fat (%)	0.13	0.05	0.08		73	51
Protein (lb)	8	13	-5	13	73	51
Protein (%)	0.00	-0.01	0.01		73	51

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	-0.2	0.4	56	35
Productive life (mo)	0.4	1.2	-0.8	59	35
Somatic cell score	2.76	2.93	0.17	65	40

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.00	1.20	-0.20	65	47
Stature	1.70	2.30	-0.60		
Strength	0.10	0.30	-0.20		
Dairy form	1.00	1.10	-0.10		
Rump angle	0.80	1.20	-0.40		
Rump width	0.40	0.60	-0.20		
Rear legs (side view)	0.00	-0.20	0.20		
Foot angle	0.40	0.50	-0.10		
Fore udder attachment	0.50	1.00	-0.50		
Rear udder height	1.40	1.70	-0.30		
Rear udder width	1.10	1.58	-0.48		
Udder cleft	0.60	0.60	0.00		
Udder depth	0.70	1.50	-0.80	70	53
Front teat placement	0.60	0.80	-0.20		
Teat length	1.50	0.80	0.70		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA JANELLE JEUSA000067085355 JH1F Born: 1/23/2009 CCN: 355

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY COUNCILLER JINX JEUSA000112529187

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 5.0%
Pedigree Inbreeding: 6.8%
Genomic Future Inbr: 8.5%

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 December 2011 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	53	9	44	9	69	47
Net Merit ($)	172	14	158			
Cheese Merit ($)	230	52	178			
Fluid Merit ($)	110	-23	133			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-402	-465	63	-465	74	52
Fat (lb)	0	-8	8	-8	74	52
Fat (%)	0.09	0.07	0.02		74	52
Protein (lb)	-1	-5	4	-5	74	52
Protein (%)	0.07	0.06	0.01		74	52

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 (%)	0.6	0.1	0.5	57	36
Productive life (mo)	2.6	0.9	1.7	60	36
Somatic cell score	2.76	2.94	0.18	66	41

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.60	1.20	0.40	66	47
Stature	2.00	2.40	-0.40		
Strength	0.20	0.60	-0.40		
Dairy form	1.20	0.80	0.40		
Rump angle	0.10	-0.20	0.30		
Rump width	0.90	1.10	-0.20		
Rear legs (side view)	-0.60	-0.60	0.00		
Foot angle	1.00	0.80	0.20		
Fore udder attachment	0.60	1.00	-0.40		
Rear udder height	1.20	0.80	0.40		
Rear udder width	1.00	0.74	0.26		
Udder cleft	0.60	0.30	0.30		
Udder depth	1.50	1.70	-0.20	71	54
Front teat placement	0.60	0.70	-0.10		
Teat length	0.00	0.70	-0.70		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA DAHLIA JEUSA000067085361 JH1F Born: 2/17/2009 CCN: 361

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY BELMONT DELIA JEUSA000067078217

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 3.9%
Pedigree Inbreeding: 10.1%
Genomic Future Inbr: 8.4%

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 December 2011 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	85	65	20	65	68	44
Net Merit ($)	163	159	4			
Cheese Merit ($)	202	194	8			
Fluid Merit ($)	135	128	7			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	290	-8	298	-8	73	49
Fat (lb)	31	17	14	17	73	49
Fat (%)	0.09	0.09	0.00		73	49
Protein (lb)	19	8	11	8	73	49
Protein (%)	0.04	0.04	0.00		73	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 (%)	-0.8	0.3	-1.1	55	32
Productive life (mo)	-0.1	0.5	-0.6	59	33
Somatic cell score	3.06	2.97	-0.09	64	38

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.80	0.90	0.90	65	46
Stature	1.40	-0.10	1.50		
Strength	-0.10	-1.10	1.00		
Dairy form	1.60	0.30	1.30		
Rump angle	-0.70	-0.40	-0.30		
Rump width	0.80	-0.10	0.90		
Rear legs (side view)	-0.60	-0.50	-0.10		
Foot angle	0.90	0.30	0.60		
Fore udder attachment	1.90	1.40	0.50		
Rear udder height	1.90	1.20	0.70		
Rear udder width	1.50	1.11	0.39		
Udder cleft	-0.20	-0.60	0.40		
Udder depth	1.70	1.70	0.00	70	53
Front teat placement	1.40	0.50	0.90		
Teat length	0.70	-0.10	0.80		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY JUPITER HANA JEUSA000067085368 JH1F Born: 3/24/2009 CCN: 368

Sire: POLY PARAMOUNT JUPITER JEUSA000113770773 100JE7231

Dam: POLY HALLMARK HOLLETTE JEUSA000111906736

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 2.9%
Pedigree Inbreeding: 10.4%
Genomic Future Inbr: 8.6%

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 December 2011 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	124	96	28	96	67	39
Net Merit ($)	364	247	117			
Cheese Merit ($)	427	290	137			
Fluid Merit ($)	299	208	91			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	37	196	-159	196	73	46
Fat (lb)	28	23	5	23	73	46
Fat (%)	0.15	0.08	0.07		73	46
Protein (lb)	13	15	-2	15	73	46
Protein (%)	0.06	0.04	0.02		73	46

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	51	20
Productive life (mo)	4.1	2.3	1.8	55	23
Somatic cell score	2.75	2.90	0.15	63	31

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.00	0.70	0.30	64	44
Stature	0.20	0.00	0.20		
Strength	-0.70	-0.80	0.10		
Dairy form	0.50	0.40	0.10		
Rump angle	0.90	0.40	0.50		
Rump width	-0.20	-0.50	0.30		
Rear legs (side view)	-0.10	0.30	-0.40		
Foot angle	0.00	-0.20	0.20		
Fore udder attachment	1.10	0.50	0.60		
Rear udder height	1.30	0.80	0.50		
Rear udder width	1.00	0.74	0.26		
Udder cleft	0.70	0.70	0.00		
Udder depth	1.80	1.10	0.70	71	54
Front teat placement	1.40	1.40	0.00		
Teat length	-0.90	-0.70	-0.20		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA JANELL JEUSA000067085373 JH1F Born: 4/15/2009 CCN: 373

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY ROCKET JIGGLER JEUSA000067078229

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 10.3%
Pedigree Inbreeding: 12.0%
Genomic Future Inbr: 8.7%

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 December 2011 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	52	37	15	37	68	45
Net Merit ($)	125	115	10			
Cheese Merit ($)	159	145	14			
Fluid Merit ($)	99	88	11			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-488	-452	-36	-452	73	49
Fat (lb)	1	7	-6	7	73	49
Fat (%)	0.14	0.15	-0.01		73	49
Protein (lb)	-4	-6	2	-6	73	49
Protein (%)	0.07	0.06	0.01		73	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 (%)	1.6	1.0	0.6	56	33
Productive life (mo)	1.4	1.2	0.2	59	34
Somatic cell score	3.13	3.00	-0.13	65	39

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.40	1.40	0.00	65	46
Stature	-0.30	0.70	-1.00		
Strength	-1.60	-0.80	-0.80		
Dairy form	0.40	0.70	-0.30		
Rump angle	-1.30	-0.70	-0.60		
Rump width	-0.40	0.10	-0.50		
Rear legs (side view)	-0.60	-0.60	0.00		
Foot angle	0.40	0.60	-0.20		
Fore udder attachment	1.50	1.40	0.10		
Rear udder height	1.40	1.20	0.20		
Rear udder width	1.10	1.11	-0.01		
Udder cleft	0.90	0.30	0.60		
Udder depth	2.20	1.80	0.40	70	53
Front teat placement	1.20	1.00	0.20		
Teat length	-0.30	0.00	-0.30		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA JEAN JEUSA000067085376 JH1F Born: 4/24/2009 CCN: 376

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY JACE JACKER JEUSA000067078234 JH1F

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 8.4%
Pedigree Inbreeding: 9.2%
Genomic Future Inbr: 9.6%

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 December 2011 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	140	103	37	103	69	45
Net Merit ($)	343	253	90			
Cheese Merit ($)	411	314	97			
Fluid Merit ($)	282	200	82			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	349	66	283	66	74	49
Fat (lb)	37	28	9	28	74	49
Fat (%)	0.12	0.13	-0.01		74	49
Protein (lb)	25	16	9	16	74	49
Protein (%)	0.06	0.07	-0.01		74	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 (%)	0.1	0.3	-0.2	57	34
Productive life (mo)	2.7	1.7	1.0	60	35
Somatic cell score	2.85	2.94	0.09	66	39

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.70	1.60	0.10	66	46
Stature	3.20	1.80	1.40		
Strength	0.40	-0.10	0.50		
Dairy form	1.30	1.10	0.20		
Rump angle	0.80	-0.50	1.30		
Rump width	1.10	0.60	0.50		
Rear legs (side view)	-0.60	-0.60	0.00		
Foot angle	1.30	1.00	0.30		
Fore udder attachment	1.50	1.30	0.20		
Rear udder height	1.70	1.50	0.20		
Rear udder width	1.30	1.39	-0.09		
Udder cleft	0.10	0.40	-0.30		
Udder depth	2.40	1.90	0.50	71	53
Front teat placement	1.10	1.20	-0.10		
Teat length	0.70	0.70	0.00		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY IATOLA DANIELLE JEUSA000067085378 JH1F Born: 5/6/2009 CCN: 378

Sire: SC GOLD DUST PARAMOUNT IATOLA-ET JEUSA000112118277 JH1F 29JE3301

Dam: POLY SATURN DEBBY JEUSA000113029390

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 3.4%
Pedigree Inbreeding: 6.4%
Genomic Future Inbr: 8.2%

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 December 2011 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	49	65	-16	65	68	46
Net Merit ($)	159	209	-50			
Cheese Merit ($)	193	241	-48			
Fluid Merit ($)	124	176	-52			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-314	-145	-169	-145	73	50
Fat (lb)	9	13	-4	13	73	50
Fat (%)	0.13	0.11	0.02		73	50
Protein (lb)	-2	2	-4	2	73	50
Protein (%)	0.04	0.04	0.00		73	50

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	0.3	0.0	55	34
Productive life (mo)	1.6	2.2	-0.6	59	35
Somatic cell score	2.88	2.88	0.00	64	40

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.90	1.00	-0.10	65	47
Stature	0.80	0.80	0.00		
Strength	-0.50	-0.50	0.00		
Dairy form	0.10	0.60	-0.50		
Rump angle	-1.10	-1.10	0.00		
Rump width	0.50	0.50	0.00		
Rear legs (side view)	-1.10	-1.00	-0.10		
Foot angle	0.80	1.00	-0.20		
Fore udder attachment	1.60	1.40	0.20		
Rear udder height	1.40	1.70	-0.30		
Rear udder width	1.10	1.58	-0.48		
Udder cleft	-0.60	-0.50	-0.10		
Udder depth	2.60	2.10	0.50	70	53
Front teat placement	0.20	0.20	0.00		
Teat length	0.40	0.30	0.10		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY CGAR OLIANA JEUSA000067085379 JH1F Born: 5/12/2009 CCN: 379

Sire: BRIDON CENTURION GARNETT JECAN000008772893 JH1F 11JE905

Dam: POLY PITINO OLIVIA JEUSA000111166231

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 0.5%
Pedigree Inbreeding: 4.8%
Genomic Future Inbr: 6.8%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	-8	-7	-1	-8	64	41
Net Merit ($)	-44	-38	-6			
Cheese Merit ($)	-23	-20	-3			
Fluid Merit ($)	-63	-58	-5			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-523	-342	-181	-342	70	48
Fat (lb)	-22	-18	-4	-18	70	48
Fat (%)	0.02	-0.01	0.03		70	48
Protein (lb)	-10	-6	-4	-6	70	48
Protein (%)	0.04	0.03	0.01		70	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 (%)	0.6	-0.3	0.9	50	26
Productive life (mo)	1.0	0.4	0.6	54	28
Somatic cell score	3.01	2.96	-0.05	61	36

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.80	0.70	0.10	58	35
Stature	1.30	0.60	0.70		
Strength	1.20	0.50	0.70		
Dairy form	0.20	-0.20	0.40		
Rump angle	0.80	-0.10	0.90		
Rump width	0.90	0.60	0.30		
Rear legs (side view)	-0.60	-0.70	0.10		
Foot angle	0.50	0.80	-0.30		
Fore udder attachment	1.30	1.40	-0.10		
Rear udder height	0.90	0.40	0.50		
Rear udder width	0.70	0.37	0.33		
Udder cleft	0.90	0.00	0.90		
Udder depth	1.00	1.60	-0.60	62	38
Front teat placement	0.80	0.50	0.30		
Teat length	-0.20	-0.40	0.20		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY BIG SHOW JULINKA JEUSA000067085382 JH1F Born: 5/23/2009 CCN: 382

Sire: RJF BIG SHOW JECAN000008804402 JH1F 200JE323

Dam: POLY PARAMOUNT AUDREY JEUSA000112643634

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 5.7%
Pedigree Inbreeding: 9.7%
Genomic Future Inbr: 8.9%

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 December 2011 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	12	39	-27	39	68	44
Net Merit ($)	149	193	-44			
Cheese Merit ($)	164	211	-47			
Fluid Merit ($)	124	171	-47			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-450	-277	-173	-277	74	50
Fat (lb)	-14	-2	-12	-2	74	50
Fat (%)	0.03	0.06	-0.03		74	50
Protein (lb)	-12	-5	-7	-5	74	50
Protein (%)	0.03	0.03	0.00		74	50

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	0.3	0.5	55	29
Productive life (mo)	3.8	4.2	-0.4	58	28
Somatic cell score	2.79	2.90	0.11	65	38

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.40	0.80	-0.40	65	45
Stature	-1.40	-0.40	-1.00		
Strength	-1.00	-0.50	-0.50		
Dairy form	-0.10	-0.30	0.20		
Rump angle	-1.60	-1.40	-0.20		
Rump width	-0.40	-0.10	-0.30		
Rear legs (side view)	-0.20	-0.50	0.30		
Foot angle	0.20	0.70	-0.50		
Fore udder attachment	0.60	1.00	-0.40		
Rear udder height	0.30	0.40	-0.10		
Rear udder width	0.20	0.37	-0.17		
Udder cleft	-0.60	0.10	-0.70		
Udder depth	0.70	1.50	-0.80	71	52
Front teat placement	-0.10	0.30	-0.40		
Teat length	1.00	1.50	-0.50		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY TBONE ALETA JEUSA000067085387 JH1F Born: 7/17/2009 CCN: 387

Sire: RICHIES JACE TBONE A364 JEUSA000113672851 JH1F 7JE1000

Dam: POLY LEGION MINDY AHLEM JEUSA000114397379

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: 5.2%
Pedigree Inbreeding: 8.9%
Genomic Future Inbr: 9.8%

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 December 2011 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).

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Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	55	59	-4	59	70	44
Net Merit ($)	116	136	-20			
Cheese Merit ($)	129	153	-24			
Fluid Merit ($)	119	127	-8			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	228	132	96	132	75	49
Fat (lb)	30	30	0	30	75	49
Fat (%)	0.11	0.13	-0.02		75	49
Protein (lb)	13	9	4	9	75	49
Protein (%)	0.02	0.02	0.00		75	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 (%)	0.2	-0.2	0.4	56	32
Productive life (mo)	0.5	0.7	-0.2	60	33
Somatic cell score	3.25	3.08	-0.17	66	39

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	1.60	-0.30	67	47
Stature	0.50	0.40	0.10		
Strength	0.40	0.50	-0.10		
Dairy form	1.00	1.20	-0.20		
Rump angle	0.40	0.00	0.40		
Rump width	0.40	0.60	-0.20		
Rear legs (side view)	-0.10	0.50	-0.60		
Foot angle	0.60	0.60	0.00		
Fore udder attachment	1.30	1.50	-0.20		
Rear udder height	0.20	0.80	-0.60		
Rear udder width	0.20	0.74	-0.54		
Udder cleft	-0.20	0.50	-0.70		
Udder depth	0.50	0.70	-0.20	71	53
Front teat placement	1.80	2.00	-0.20		
Teat length	-0.80	-0.30	-0.50		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY PARAMOUNT JIANNA JEUSA000114115980 JH1F Born: 8/27/2004 CCN: 891

Sire: ROCK ELLA PARAMOUNT-ET JEUSA000000663877 JH1C 7JE442

Dam: POLY JUNO JILL JEUSA000003873397

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -5.6%
Pedigree Inbreeding: 6.2%
Genomic Future Inbr: 3.4%

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.

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INDEX

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	-18	0	-18	-1	63	54
Net Merit ($)	-38	19	-57			
Cheese Merit ($)	-80	-2	-78			
Fluid Merit ($)	8	39	-31			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	-78	-7	-71	-7	69	60
Fat (lb)	-20	-13	-7	-13	69	60
Fat (%)	-0.09	-0.07	-0.02		69	60
Protein (lb)	-9	-5	-4	-5	69	60
Protein (%)	-0.03	-0.03	0.00		69	60

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 (%)	0.9	0.8	0.1	48	39
Productive life (mo)	1.8	1.8	0.0	52	42
Somatic cell score	3.27	3.04	-0.23	57	46

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.20	-0.10	0.30	60	52
Stature	0.20	0.60	-0.40		
Strength	-0.30	0.00	-0.30		
Dairy form	0.00	-0.40	0.40		
Rump angle	-0.90	-0.30	-0.60		
Rump width	0.30	0.30	0.00		
Rear legs (side view)	-0.30	-0.50	0.20		
Foot angle	0.00	0.10	-0.10		
Fore udder attachment	0.20	-0.10	0.30		
Rear udder height	0.20	-0.50	0.70		
Rear udder width	0.10	-0.46	0.56		
Udder cleft	0.10	0.30	-0.20		
Udder depth	0.50	0.60	-0.10	66	59
Front teat placement	0.90	0.70	0.20		
Teat length	0.10	0.30	-0.20		

Dec 6, 2011 AJCA Genomic Evaluation Report 50K GENOTYPE

POLY BARKLY DORY JEUSA000114302410 JH1F Born: 10/14/2004 CCN: 903

Sire: LONG DISTANCE BARBER BARKLY JEUSA000000665195 JH1F 7JE488

Dam: POLY BROOK DEWDROP JEUSA000003896025

Owner: CAL POLY CORPORATION
CAL POLY DAIRY SCIENCE, 1 GRAND AVE
SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -4.8%
Pedigree Inbreeding: 7.6%
Genomic Future Inbr: 8.4%

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.

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INDEX

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	86	68	18	68	72	54
Net Merit ($)	217	178	39			
Cheese Merit ($)	150	123	27			
Fluid Merit ($)	276	225	51			

YIELD

Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	1075	824	251	824	77	61
Fat (lb)	17	13	4	13	77	61
Fat (%)	-0.17	-0.13	-0.04		77	61
Protein (lb)	14	10	4	10	77	61
Protein (%)	-0.13	-0.10	-0.03		77	61

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	0.1	-0.3	59	39
Productive life (mo)	2.7	2.1	0.6	63	42
Somatic cell score	2.92	2.94	0.02	68	47

TYPE

Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	1.30	0.70	0.60	68	51
Stature	1.40	1.50	-0.10		
Strength	1.00	0.60	0.40		
Dairy form	1.70	1.40	0.30		
Rump angle	0.30	0.20	0.10		
Rump width	0.90	0.40	0.50		
Rear legs (side view)	-0.30	-0.50	0.20		
Foot angle	0.60	0.50	0.10		
Fore udder attachment	1.30	1.10	0.20		
Rear udder height	1.40	1.50	-0.10		
Rear udder width	1.10	1.39	-0.29		
Udder cleft	0.80	0.20	0.60		
Udder depth	1.20	1.30	-0.10	73	58
Front teat placement	1.00	-0.20	1.20		
Teat length	-0.80	-0.70	-0.10		