Mar 6, 2012 AJCA Genomic Evaluation Report 6K GENOTYPE

POLY ACTION VIOLA JEUSA000067060145 JH1F Born: 1/31/2006 CCN: 145

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

Dam: POLY AMERICAN VIOLET JEUSA000111321731

Owner: CAL POLY CORPORATION

CAL POLY DAIRY SCIENCE, 1 GRAND AVE

SAN LUIS OBISPO, CA 93407

Inbreeding Percents
Genomic Inbreeding: -0.8%
Pedigree Inbreeding: 8.4%
Genomic Future Inbr: 7.8%

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

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

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

INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
JPI	76	59	17	59	70	55
Net Merit ($)	219	148	71			
Cheese Merit ($)	206	134	72			
Fluid Merit ($)	220	159	61			

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 12/2011	**Genomic REL %**	**Traditional REL %**
Milk (lb)	437	441	-4	441	75	61
Fat (lb)	23	11	12	11	75	61
Fat (%)	0.01	-0.05	0.06		75	61
Protein (lb)	6	8	-2	8	75	61
Protein (%)	-0.05	-0.04	-0.01		75	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	0.2	0.0	56	38
Productive life (mo)	1.9	1.8	0.1	61	43
Somatic cell score	2.74	2.90	0.16	65	46

TYPE					
Trait	Genomic Evaluation	Traditional Eval 12/2011	Genomic Impact	**Genomic REL %**	**Traditional REL %**
Final score (PTAT)	0.90	0.60	0.30	67	54
Stature	1.50	1.70	-0.20		
Strength	0.30	0.40	-0.10		
Dairy form	0.80	0.80	0.00		
Rump angle	1.00	1.10	-0.10		
Rump width	-0.20	-0.10	-0.10		
Rear legs (side view)	0.40	0.30	0.10		
Foot angle	0.00	0.10	-0.10		
Fore udder attachment	1.10	0.70	0.40		
Rear udder height	1.40	1.00	0.40		
Rear udder width	1.10	0.93	0.17		
Udder cleft	0.80	0.80	0.00		
Udder depth	1.50	1.00	0.50	73	62
Front teat placement	0.30	0.20	0.10		
Teat length	1.00	0.50	0.50		