

Nov 7, 2023

AJCA Genomic Evaluation Report

100K GENOTYPE

FEMALE: BWT CHESTNUT OAK MINT LEAF {1} JEUSA000175020094 JH1F JNS-TF Born: 7/5/2019 Tattoo: COM2

Sire: UR UNKNOWN JERSEY SIRE {0} JEUSA00099PJS0104

Dam: UR UNKNOWN JERSEY DAM {0} JEUSA00099PJD1002

Owner: BETTER WITH THYME FARM

PO BOX 3105

SHEPHERDSTOWN, WV 25443

P-level	Inbreeding Percents
	Genomic: 25.4%
BBR	Pedigree: 8.3%
100	Genomic Future: -0.2%

Jersey Haplotype 1 (JH1) is associated with embryo loss. Official status is listed as F for Free, C for Carrier. Breed Base Representation (BBR): CDCB policy is to report BBR values of 94 or greater for one breed as 100. BBRs below 94 are reported as calculated. BBR is reported once, unless animal is re-genotyped with a higher density chip.

Adjustments are applied by CDCB to Traditional Evaluations for yield traits (third column from right) to correct for bias in female genetic evaluations. The Adjusted Evaluations are provided for index and yield traits. The impact of genomic information can be assessed by comparing Genomic Evaluation with the Adjusted Evaluation (column labeled Genomic Impact).

INDEX						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 11/2023	Genomic REL %	Traditional REL %
JPI	-111	14	-125		46	
Net Merit (\$)	-524	1	-525			
Cheese Merit (\$)	-525	0	-525			
Fluid Merit (\$)	-519	0	-519			
Grazing Merit (\$)	-427					

YIELD						
Trait	Genomic Evaluation	Adjusted Evaluation	Genomic Impact	Traditional Eval 11/2023	Genomic REL %	Traditional REL %
Milk (lb)	-1539	359	-1898		54	
Fat (lb)	-64	0	-64		52	
Fat (%)	0.05	-0.08	0.13		54	
Protein (lb)	-47	5	-52		54	
Protein (%)	0.05	-0.04	0.09		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 November 2023 Traditional Eval indicates the Genomic Impact.

HEALTH and FITNESS					
Trait	Genomic Evaluation	Traditional Eval 11/2023	Genomic Impact	Genomic REL %	Traditional REL %
Pregnancy rate (%)	2.9	0.0	2.9	25	
Cow conception rate (%)	1.6	0.4	1.2	25	
Heifer conception rate (%)	-0.3	0.6	-0.9	25	
Productive life (mo)	-2.4	-0.7	-1.7	31	
Livability	0.9	1.2	-0.3	25	
Somatic cell score	3.04	2.90	-0.14	40	

TYPE					
Trait	Genomic Evaluation	Traditional Eval 11/2023	Genomic Impact	Genomic REL %	Traditional REL %
Final score (PTAT)	-1.80	0.40	-2.20	49	
Stature	-2.20	0.31	-2.51		
Strength	-0.70	0.13	-0.83		
Dairy form	-2.50	0.28	-2.78		
Rump angle	-1.50	-0.22	-1.28		
Rump width	-0.90	0.21	-1.11		
Rear legs (side view)	0.30	-0.06	0.36		
Foot angle	-0.40	0.22	-0.62		
Fore udder attachment	-1.80	0.64	-2.44		
Rear udder height	-2.70	0.33	-3.03		
Rear udder width	-1.90	0.02	-1.92		
Udder cleft	0.20	0.07	0.13		
Udder depth	-1.40	0.60	-2.00	54	
Front teat placement	-0.60	0.15	-0.75		
Teat length	-0.40	0.11	-0.51		
Jersey Udder Index	-12.86	2.98	-15.84		