



HOLSTEIN ASSOCIATION USA, INC.

1 Holstein Place, PO Box 808, Brattleboro, VT 05302-0808

www.holsteinusa.com 800.952.5200

PINE-TREE 7829 GAME 8410-ET 840003150675482 F HMID: 8410
 Matthew J. Steiner, Marshallville OH

DOB: 07/15/2019 GFI: 10.0
 Sire: REGAN-DANHOF GAMECHANGER-ET 840003137164163
 Dam: PINE-TREE 5976 PROP 7829-ET 840003145982775

GENOMIC PREDICTIONS	Genomic PTA	Aug 2019 PA/PTA	Genomic REL %	Aug 2019 REL %
SELECTION INDEX				
Total Performance Index (TPI)	2831	2782	74	39
Net Merit (\$)	1025	972	72	
YIELD TRAITS				
Milk	1342	1179	75	39
Fat (lbs)	103	96	75	39
Fat (%)	0.19	0.19	75	
Protein (lbs)	66	59	75	39
Protein (%)	0.09	0.08	75	
Feed Efficiency	245	218	72	39
CALVING TRAITS				
Daughter Calving Ease	2.7	2.7	54	31
Sire Calving Ease	5.1		58	
Daughter Stillbirth	3.8	3.7	52	29
Sire Stillbirth	6.0		53	
Gestation Length	-2.5		69	
TYPE TRAITS				
Final Score (PTAT)	1.78	1.78	72	39
Feet/Legs Composite	1.28	1.37		
Udder Composite	2.17	2.15		
Stature	0.36	0.51		
Strength	-0.20	0.17		
Body Depth	0.02	0.06		
Dairy Form	1.70	0.95		
Rump Angle	-0.59	-0.30		
Rump Width	0.35	0.15		
Rear Legs Side View	0.39	-0.23		
Rear Legs Rear View	0.91	1.14		
Foot Angle	0.89	1.23		
Feet and Leg Score	1.37	1.41		
Fore Attachment	2.40	2.44		
Rear Udder Height	2.76	2.84		
Rear Udder Width	2.54	2.62		
Udder Cleft	1.01	0.59		
Udder Depth	1.91	1.89	73	39
Front Teat Placement	1.24	0.77		
Rear Teat Placement	0.93	0.51		
Teat Length	-1.53	-0.75		



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GENOMIC PREDICTIONS	Genomic PTA	Aug 2019 PA/PTA	Genomic REL %	Aug 2019 REL %
HEALTH TRAITS				
Daughter Pregnancy Rate (%)	1.0	1.2	71	37
Productive Life (months)	7.7	7.9	71	37
Livability	2.9	3.6	65	34
Somatic Cell Score	2.86	2.81	73	38
Heifer Conception Rate	2.3	1.8	66	35
Cow Conception Rate	2.0	1.8	70	37
Fertility Index	1.4	1.4	71	37
CDCB Hypocalcemia	-0.1		39	
CDCB Displaced Abomasum	0.5		51	
CDCB Ketosis	0.5		49	
CDCB Mastitis	0.1		65	
CDCB Metritis	1.1		53	
CDCB Retained Placenta	-0.1		52	

GENETIC CONDITIONS	8410	SIRE	DAM
CVM	HHCT (Non-Carrier)	TV HHCT	HHCT
Brachyspina	HHOT (Non-Carrier)	TY HHOT	HHOT
BLAD	TL HHBT (Non-Carrier)	TL HHBT	TL HHBT
DUMPS	TD HHDT (Non-Carrier)	TD HHDT	TD HHDT
Mulefoot	HHMT (Non-Carrier)	HHMT	HHMT
Cholesterol Deficiency	TC HCDO (Non-Carrier)	TC HCDO	TC HCDO
Horned/Poled	TP HHPT (Non-Carrier)	TP HHPT	HHPT
Dominant Red	HDRT (Non-Carrier)	HDRT	HDRT
Recessive Red	TR HRRO (Non-Carrier)	TR HRRO	TR HRRO
Black/Red	HBRT (Non-Carrier)	HBRT	HBRT

HAPLOTYPES IMPACTING FERTILITY			
Haplotype 1	HH1T (Non-Carrier)	HH1T	HH1T
Haplotype 2	HH2T (Non-Carrier)	HH2T	HH2T
Haplotype 3	HH3T (Non-Carrier)	HH3T	HH3T
Haplotype 4	HH4T (Non-Carrier)	HH4T	HH4T
Haplotype 5	HH5T (Non-Carrier)	HH5T	HH5T
Haplotype 6	HH6T (Non-Carrier)	HH6T	HH6T

MILK PROTEINS			
Beta Casein A2	A1A2	A1A1	A2A2
Beta Lactoglobulin	AA	AA	AB
Kappa Casein	BE	BE	BB

OTHER			
Citrullinemia	T	T	