

Top 200 TPI Bulls December 2021

(Semen status is Active and Foreign with a minimum of 80% traditional US reliability OR 85% genomic reliability for production and type)

HOLSTEIN ASSOCIATION USA, INC 2021

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION						
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
1	PINE-TREE-I PURSUIT-ET	TR TP	99	I	777HO11186	61	79	1551	232	90	2.75	6.2	82	0.7	1.1	1.33	87	0.84	0.80	0.92	2922
2	S-S-I PR RENEGADE-ET	TR TP	99	I	250HO14134	57	89	1041	212	97	2.85	3.4	87	-0.2	1.2	1.67	94	1.50	1.20	1.47	2913
3	HURTGENLEA RICHARD CHARL-ET	TR TC	99	I	551HO03529	55	102	1660	274	98	2.91	4.7	88	0.6	0.6	0.91	97	0.99	0.40	-1.62	2907
4	MR T-SPRUCE FRAZZ LIONEL-ET	TR TP	98	I	7HO14454	74	120	2529	324	94	2.83	3.6	86	-1.3	-1.5	0.46	91	0.54	-0.32	-0.76	2893
5	OCD HELIX ALPHABET-ET	TR TP	100	NA	7HO14320	63	101	2194	278	93	2.91	3.7	83	-2.0	-0.7	1.36	88	1.59	0.11	-0.31	2887
6	DE-SU 14077 TORONTO-ET	TR TC	99	I	29HO18705	56	107	1325	253	92	2.73	5.5	84	2.0	-0.7	0.98	88	0.15	0.72	0.24	2876
7	PEAK ALTAGOPRO-ET	TR TP	100	NA	11HO12124	81	89	2926	278	96	2.87	3.0	88	-2.3	-0.7	1.53	91	0.84	-0.69	1.26	2872
8	PINE-TREE PLAZA-ET	TR TC	99	I	29HO18855	40	98	969	225	89	3.10	4.7	81	3.8	1.2	0.90	86	1.34	1.15	-0.58	2869
9	S-S-I BG FRZZLD RIVETING-ET	TR TP	99	I	14HO14220	38	54	851	157	97	2.56	7.6	87	3.8	2.8	0.99	94	1.35	0.62	-0.37	2849
10	TAG-LANE ELEMENT	TR TC	99	I	29HO18795	33	103	445	221	96	2.83	6.1	87	3.3	2.3	0.39	87	0.13	0.60	-0.29	2848
11	BGP YOLO-ET	TR TP	100	NA	734HO00091	36	98	816	208	97	2.86	2.1	87	1.1	0.7	1.62	89	2.25	0.34	0.45	2840
12	PINE-TREE BURLEY-ET	TC TY	99	I	29HO18225	39	89	951	211	99	2.92	6.9	98	3.4	2.0	0.61	97	0.26	0.95	-0.85	2834
13	AURORA MITCHELL-ET	TY TV	100	NA	515HO00318	45	72	1073	182	92	2.70	3.3	82	0.7	1.0	2.63	87	1.67	0.87	0.81	2828
14	MR DYNASTY NASHVILLE-ET	TR TC	99	I	551HO03600	65	79	1599	273	95	2.80	6.2	84	1.5	0.3	0.18	89	0.07	0.77	-1.59	2828
15	SANDY-VALLEY CHALLENGER-ET	TR TP	99	I	777HO11028	33	82	674	191	96	2.67	4.5	87	0.5	0.9	1.28	94	2.59	-0.20	-0.95	2828
16	PEAK ALTAZAREK-ET	TR TP	99	I	11HO12219	52	85	1492	220	95	2.70	5.8	85	1.4	-0.3	0.75	85	1.02	0.21	-0.23	2823
17	PEAK ALTAINGOLD-ET	TR TP	99	I	11HO12158	60	65	1453	223	92	2.89	1.9	82	-3.4	0.7	1.88	86	1.83	1.39	-0.68	2821
18	MAPLEHURST ALBATROSS-ET	TR TC	99	I	29HO18876	35	95	808	225	92	2.87	6.0	83	4.4	1.6	0.68	87	0.30	0.78	-1.02	2816
19	PINE-TREE TORTUGA-ET	TR TC	99	I	29HO18711	46	93	731	235	95	2.96	5.2	86	2.9	1.3	0.66	91	0.52	0.56	-1.36	2816
20	MR MONSTER-ET	TR TP	99	I	734HO00082	82	67	2549	251	96	2.65	3.6	88	-0.6	-0.4	0.84	86	0.91	-0.83	0.95	2814
21	A-S-CANNON FRZZLD BIG AL-ET	TR TP	99	I	7HO14451	38	96	599	229	93	2.65	6.0	84	0.9	0.4	0.54	87	1.21	-0.12	-0.66	2813
22	CHERRY-LILY ZIP LUSTER-P-ET	TR PC	99	I	7HO14160	40	72	1285	196	98	2.75	2.1	88	-1.5	0.7	2.61	95	2.22	1.38	-0.19	2811
23	HURTGENLEA MONT LEMANS-ET	TR TP	98	I	1HO13445	49	99	1395	264	97	2.88	3.9	88	1.9	-0.2	0.48	88	0.82	0.01	-1.36	2805
24	DE-SU FRAZZ TAHITI 14104-ET	TR TP	99	I	7HO14229	58	86	1723	252	96	2.99	5.4	87	0.5	0.9	0.86	92	0.46	-0.62	-1.15	2803
25	ABS MEDLEY-ET	TC TY	99	I	29HO18343	49	81	1052	202	99	2.82	4.6	92	3.2	0.3	0.64	98	0.80	0.94	0.23	2801
26	MR SPRING NIGHTCAP 74636-ET	TC TY	99	I	551HO03369	55	73	1211	234	98	2.88	3.9	87	0.0	0.6	1.20	96	1.85	-0.68	-0.64	2800
27	OCD ALTASWAG-ET	TR TP	100	NA	11HO11963	60	108	1373	261	99	3.08	0.5	90	-1.2	-0.3	0.98	94	0.57	0.51	0.47	2799
28	MR SUPERHERO DEDICATE-ET	TR TC	99	I	551HO03590	52	66	1120	218	93	2.82	5.7	84	2.0	1.6	0.67	88	1.33	-0.33	-1.74	2798
29	COOKIECUTTER LGND HUSKY-ET	TR TP	99	I	14HO14138	41	41	1344	134	97	2.77	6.6	87	2.9	4.2	1.36	94	1.36	-0.05	0.06	2794
30	MATCREST DEWEY-ET	TR TC	99	I	29HO18755	43	83	932	219	94	2.97	6.3	85	3.2	0.3	0.89	90	0.73	1.39	-0.92	2792
31	BLUMENFELD GDANC RORY-ET	TR TP	100	NA	1HO12964	58	107	1410	278	97	2.87	2.9	88	1.6	-1.9	0.35	90	0.77	-0.37	-0.64	2791
32	CO-OP AARDEMA SUBZERO-ET	TR TP	99	I	1HO13424	51	70	648	199	97	3.03	3.7	88	0.6	2.4	1.10	91	1.49	0.29	-0.28	2789
33	ABS ZEBEDEE-ET	TR TC	98	I	29HO18724	50	106	1107	254	96	2.90	2.5	86	-0.4	-0.3	0.71	90	0.80	0.22	0.41	2788
34	WILRA BURNETT-ET	TR TC	99	I	29HO18731	33	119	259	235	94	2.96	2.6	84	1.4	-1.7	1.57	87	1.22	1.17	0.01	2788
35	FB 6860 SPECTRE PERK-ET	TR TC	99	I	29HO18843	48	113	939	268	91	2.89	2.1	83	-0.3	-1.8	1.19	85	0.58	1.21	-0.57	2785

Top 200 TPI Bulls December 2021

(Semen status is Active and Foreign with a minimum of 80% traditional US reliability OR 85% genomic reliability for production and type)

HOLSTEIN ASSOCIATION USA, INC 2021

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION					TPI	
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC		
36	ST GEN R-HAZE RAPID-ET	TC TY	100	NA	551HO03591	56	77	1475	213	95	2.96	2.3	84	0.2	-1.3	2.01	93	1.66	1.03	1.26	2785
37	ABS ACHIEVER-ET	TC TY	99	NA	29HO18296	23	114	108	237	99	2.71	3.9	93	4.2	-1.0	0.56	98	1.12	0.74	-1.57	2784
38	MR RI-VAL-RE FREE BILLY-ET	TR TC	99	I	29HO18906	58	121	1108	315	93	3.02	3.8	83	2.5	-1.5	-0.42	85	-0.29	0.24	-1.73	2784
39	WOODCREST KING DOC	TR TP	99	I	250HO12961	54	69	1574	179	99	3.14	2.2	96	-2.9	-1.2	3.54	99	2.36	2.10	1.06	2783
40	WESTCOAST ALCOVE	TR TP	99	I	777HO11000	61	105	1553	248	97	3.10	1.3	88	-2.6	-1.2	1.30	95	1.40	0.49	1.09	2779
41	AOT SILVER HELIX-ET	TR TP	100	NA	14HO07770	61	117	1693	305	99	3.03	1.3	98	-6.6	-1.4	1.07	99	0.80	-0.19	0.17	2778
42	DE-SU FRAZZLD ROME 14192-ET	TR TP	99	I	14HO14226	47	92	1124	234	97	2.51	6.3	87	0.8	-0.1	0.06	93	0.40	-0.30	-0.60	2778
43	DE-SU MILLINGTON 12074-ET	TR TP	99	I	7HO12421	46	97	1183	247	99	2.72	3.0	98	-1.6	-0.3	0.85	98	1.08	0.11	-0.54	2777
44	PROGENESIS MARIUS	TR TP	99	I	200HO10959	56	59	1383	208	96	2.91	4.4	88	1.4	0.1	1.20	95	1.87	0.36	-0.71	2775
45	WELCOME SILVER GRIFF-ET	TR TP	100	NA	14HO07796	53	108	759	262	99	3.12	2.4	96	-1.1	0.0	0.91	96	0.62	0.17	-0.44	2774
46	AOT BLOWTORCH HEALER-ET	TR TP	99	I	1HO13458	60	116	1269	281	95	2.74	1.5	87	-1.9	-1.9	0.78	88	0.60	-0.70	0.03	2773
47	TAG-LANE DEFIANCE	TR	99	I	29HO18581	51	91	1584	260	99	2.76	5.0	92	3.1	1.1	-0.46	92	-0.01	-0.43	-1.06	2773
48	DE-SU 13961 SANJAY-ET	TR TC	99	I	29HO18753	44	86	1232	216	99	3.02	4.5	88	0.1	1.0	0.67	95	1.03	0.85	-1.01	2772
49	OCD HELIX MILFORD-ET	TR TP	100	NA	14HO14315	51	96	1091	262	95	2.84	3.5	87	-1.5	-0.9	1.08	90	0.62	0.70	-0.27	2772
50	DENOVO 7895 MENTOR-ET	TR TC	99	I	29HO18775	61	55	1705	191	89	2.71	4.4	81	0.5	1.1	1.05	86	1.42	0.16	0.12	2771
51	MR RUBICON CASHIN-ET	TC TY	100	NA	551HO03449	52	85	1633	262	98	2.86	4.2	88	0.5	-0.8	0.74	89	1.55	-0.25	-1.48	2769
52	WESTCOAST AROMAS-ET	TR TP	99	I	200HO11167	55	85	1540	219	92	2.89	2.3	81	-0.8	-0.7	1.62	85	1.11	0.85	0.53	2767
53	PINE-TREE CW LEGACY-ET	TR TP	99	I	7HO14250	31	68	451	168	98	2.60	8.2	88	3.1	1.5	0.40	94	1.52	-0.24	-1.33	2763
54	WELCOME DELPRO 3565-ET	TR TP	99	I	14HO14442	49	52	1038	157	92	2.80	5.8	82	2.6	2.8	0.72	87	0.76	0.31	0.15	2760
55	ABS SASSAFRAS-ET	TR TC	99	I	29HO18697	28	107	252	232	94	2.99	4.0	84	2.3	0.4	0.68	87	0.72	0.76	-0.94	2759
56	FARNEAR DELTA-LAMBDA-ET	TR TP	100	NA	551HO03379	43	47	1123	157	99	2.75	4.6	94	0.6	-0.2	2.72	99	2.91	0.79	0.13	2758
57	SANDY-VALLEY EISAKU-ET	TR TP	99	I	7HO14364	41	77	1094	199	94	3.11	4.0	84	0.5	0.9	1.74	90	1.08	1.13	-0.09	2753
58	SANDY-VALLEY ALTAESCAPE-ET	TR TP	99	I	11HO12302	48	82	1096	216	93	3.03	3.8	84	1.0	1.3	0.75	86	0.91	-0.03	0.27	2751
59	SIEMERS CHARLEY MERRYGUY-ET	TR TC	99	I	551HO03530	70	75	2621	271	98	2.89	3.6	88	-0.8	-1.6	0.68	97	0.80	0.16	-1.88	2750
60	DE-SU 13798 OXFORD-ET	TR TC	99	I	29HO18554	67	77	1588	235	98	2.93	2.6	89	0.4	-0.2	0.65	94	0.80	0.15	0.38	2749
61	SANDY-VALLEY COPYCAT-TW-ET	TR TP	99	I	7HO12974	45	78	1075	179	99	2.67	3.8	91	-1.7	0.2	1.40	97	1.43	0.26	1.57	2749
62	ABS BOYD-ET	TR TC	99	I	29HO18668	41	81	1127	204	95	2.85	5.7	86	1.6	1.6	0.50	91	0.39	-0.03	-0.74	2748
63	AURORA ALTAANTONIO-ET	TR TP	99	I	11HO12083	51	78	765	217	97	2.81	3.5	89	0.8	-0.6	1.42	95	0.97	0.82	0.22	2747
64	COOKIECUTTER HIGH CARD-ET	TR TP	99	I	7HO14161	60	44	1897	192	94	2.74	6.1	87	0.6	2.5	0.19	92	0.73	-0.04	-0.71	2746
65	WESTCOAST BACARDI-ET	TR TP	99	I	777HO10993	58	75	1088	225	99	2.82	2.9	89	-0.8	0.4	0.78	93	0.27	1.02	0.14	2745
66	HILMAR C ROCKFORD-ET	TR TC	99	I	551HO03684	48	77	1565	225	96	2.72	4.9	86	1.3	1.6	-0.01	91	-0.57	0.74	-1.57	2744
67	WILRA ABS BRANTLEY-ET	TR TC	99	I	29HO18647	24	99	554	213	95	2.98	4.0	87	0.4	-0.1	0.95	91	1.53	1.17	-1.83	2744
68	S-S-I BG FRAZZLED SPEEDY-ET	TR TP	99	I	7HO14264	54	85	1939	218	97	2.50	5.9	87	-0.1	-1.1	0.11	86	0.58	-0.77	0.48	2742
69	PROGENESIS PROSPEROUS	TR TP	99	I	777HO11043	59	65	1507	175	96	2.51	3.5	87	0.5	-2.3	1.64	91	2.01	0.48	0.93	2741
70	S-S-I LA SANDERSN RAZZLE-ET	TR TP	99	I	7HO14110	62	69	2193	220	94	3.04	4.5	86	0.8	0.8	0.62	90	0.32	-0.07	-0.13	2741

Top 200 TPI Bulls December 2021

(Semen status is Active and Foreign with a minimum of 80% traditional US reliability OR 85% genomic reliability for production and type)

HOLSTEIN ASSOCIATION USA, INC 2021

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION					TPI	
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC		
71	OCD LEGENDARY COFFEE-ET	TR TP	99	I	250HO14310	26	72	120	148	97	2.75	5.8	87	3.5	0.6	1.72	92	1.22	1.36	0.68	2739
72	PEAK ALTABUGGY-ET	TR TP	98	I	11HO12165	37	83	596	194	97	2.98	3.0	87	2.3	0.8	0.92	89	0.89	0.86	0.05	2738
73	ST GEN MODESTY LAREDO-ET	TC TY	98	I	551HO03584	75	78	2327	263	96	3.27	1.6	87	-0.8	-1.8	0.84	90	1.14	0.78	-1.08	2737
74	PEAK ALTAPINETTA-ET	TR TP	99	I	11HO12263	58	132	1392	286	97	2.94	1.4	87	-1.0	-2.1	0.08	89	0.01	-0.90	0.65	2735
75	PEAK ACCELODIN-ET	TR TP	99	I	14HO07828	40	90	573	202	98	2.99	2.6	89	1.4	0.6	1.53	92	0.57	0.39	0.96	2734
76	S-S-I JOSUPER ROCKETFIRE-ET	TR TP	99	I	7HO13454	75	56	2483	198	98	2.89	5.3	92	2.5	0.0	0.56	94	0.67	-0.66	0.54	2734
77	S-S-I MILLINGTON TOTEM-ET	TR TP	99	I	250HO13531	33	72	683	173	94	2.67	3.3	86	0.4	0.4	1.75	86	1.86	0.59	-0.01	2733
78	PROGENESIS MODEST ROLANS12-ET	TR TP	99	I	7HO13740	32	87	502	206	99	3.12	3.0	90	1.0	-0.4	1.21	97	2.11	0.94	-0.93	2732
79	N-SPRINGHOPE ESCALATE-ET	TR TP	99	I	29HO18787	50	74	1375	204	97	2.62	5.2	87	1.3	-1.1	0.74	90	1.18	-0.06	-0.81	2731
80	NO-FLA ALTARONDON-ET	TR TP	99	I	11HO12206	56	66	1520	197	98	2.71	5.4	88	1.7	-1.3	0.93	95	1.50	-0.35	0.36	2725
81	PROGENESIS HAWAI-ET	RC CD	99	I	200HO11016	37	66	865	155	94	2.67	5.3	86	0.0	2.0	0.60	92	0.72	0.14	-0.12	2725
82	REGAN-DANHOF CASCADE-ET	TR TP	99	I	7HO14401	38	60	757	139	92	2.78	2.5	83	-1.6	1.0	2.20	88	2.34	1.00	0.47	2725
83	OCD MODEST SOPRANO 40332-ET	TR TP	100	NA	14HO14169	49	93	1382	264	99	3.09	2.8	89	-1.0	-1.0	0.73	95	1.15	-0.06	-2.08	2723
84	OCD LEGENDARY ROCHESTER-ET	TR TP	99	I	7HO14314	27	44	495	131	94	2.80	7.6	84	5.0	4.5	0.66	89	0.49	0.62	-0.72	2722
85	MR MCCUT DANTE 1407-ET	TC TY	99	I	203HO01513	72	76	2309	244	99	3.06	3.5	98	-1.3	-1.8	1.34	96	0.87	0.01	-0.10	2721
86	WELCOME GODDARD 3571-ET	TR TP	99	I	7HO14438	53	83	1385	229	92	2.77	5.2	82	0.7	0.9	-0.33	86	-0.11	-0.30	-0.66	2719
87	PEAK MATCHUP-ET	TR TP	99	I	97HO42013	54	67	1743	197	93	2.81	5.5	82	2.6	0.6	-0.05	86	0.53	-0.31	-0.10	2717
88	ABS CRIMSON-ET	TR TC	99	I	29HO18693	46	95	913	223	98	2.79	5.3	88	4.3	-0.5	-0.03	94	-0.32	0.03	0.53	2716
89	DE-SU 13050 SPECTRE-ET	TR TC	99	I	29HO18208	47	123	1353	277	99	2.95	1.7	95	-0.2	-1.6	0.41	97	-0.04	0.06	-0.58	2716
90	PROGENESIS DEFINITE-ET	TR TP	99	NA	200HO10797	48	53	801	181	98	2.58	4.6	88	0.8	1.7	0.72	93	0.47	1.01	0.32	2716
91	DENOVO 14242 KOKOMO-ET	TR TC	99	I	29HO18747	42	52	1231	150	95	2.67	5.4	85	0.5	1.4	1.44	90	0.99	0.83	0.48	2715
92	SILVERRIDGE V TIMBERLAKE-ET	TR TP	99	I	777HO11288	57	59	1819	198	90	2.87	4.6	82	0.5	-0.2	0.88	86	1.71	-0.62	0.05	2714
93	EDG RUBICON-ET	TR TC	100	NA	151HO00681	37	89	658	218	99	2.90	4.1	99	1.8	-2.0	1.16	99	0.96	1.87	0.33	2713
94	MELARRY FUEL-ET	TR TP	99	I	200HO10845	49	101	1680	206	98	3.01	0.0	91	-4.8	-1.9	2.43	95	2.00	0.57	1.71	2712
95	PEAK LANGLEY-ET	TR TP	100	NA	97HO42071	55	97	1199	255	95	3.16	0.1	84	-3.1	-1.7	1.40	89	1.48	0.23	0.51	2711
96	PROGENESIS POSITIVE	TR TP	100	NA	200HO10955	50	105	1082	248	97	3.04	3.2	88	-1.2	-2.6	1.38	95	1.60	-0.45	-0.57	2711
97	PINE-TREE SAMIRAH-ET	TR TC	99	I	29HO18478	65	95	1313	258	99	2.86	2.4	93	0.2	-1.7	0.29	93	0.15	-0.04	0.34	2710
98	ABS ETSY-ET	TR TC	99	I	29HO18669	27	83	148	163	92	2.72	4.8	84	1.7	0.5	0.85	89	0.91	0.50	0.39	2709
99	PROGENESIS WEBSTER-P-ET	RC PC	100	NA	200HO11038	52	51	1153	178	95	2.96	3.5	87	-0.2	0.0	1.76	92	1.83	0.88	-0.19	2709
100	BOMAZ ALTATOPSHOT-ET	TR TP	99	I	11HO11779	60	83	1439	204	99	2.73	5.3	97	1.9	-0.2	-0.23	97	-0.12	-0.96	0.46	2708
101	PARKHURST SAMARITAN-ET	TR TC	99	I	29HO18691	42	84	726	194	96	2.91	2.0	86	-1.6	0.2	1.44	92	1.08	0.39	-0.12	2708
102	PEAK HOTLINE-ET	TY TV	100	NA	97HO41774	50	86	1017	218	99	3.07	-2.9	95	-5.7	-2.1	2.79	98	2.47	1.61	1.07	2707
103	S-S-I MONTROSS DUKE-ET	TR TP	100	NA	250HO13267	74	111	2308	279	99	2.90	1.1	98	-4.7	-4.2	1.18	99	1.33	-0.73	0.77	2706
104	ST GEN RUBICON JONES-ET	TC TY	99	I	551HO03663	28	97	281	191	89	2.83	3.5	81	2.0	-1.1	1.55	85	0.77	1.03	1.15	2706
105	TTM ACHIEVER SURREAL-ET	TR TP	99	I	1HO13819	26	92	574	188	94	2.87	3.2	84	2.0	0.1	0.90	85	1.57	0.31	-0.51	2705

Top 200 TPI Bulls December 2021

(Semen status is Active and Foreign with a minimum of 80% traditional US reliability OR 85% genomic reliability for production and type)

HOLSTEIN ASSOCIATION USA, INC 2021

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION					TPI	
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC		
106	WESTCOAST YAMASKA-ET	TR TP	99	NA	200HO10915	54	72	414	197	99	2.99	2.7	90	-0.5	-0.5	1.59	96	0.75	1.01	0.74	2705
107	MELARRY FRAZZLED FUTURE-ET	TR TP	99	I	7HO14333	51	83	1403	231	99	2.87	5.8	89	0.6	0.0	-0.11	93	0.29	-0.33	-1.27	2703
108	BOMAZ ALTACABOT-ET	TR TP	99	I	11HO12194	40	86	437	204	91	2.65	5.3	82	3.1	-0.2	-0.28	85	0.29	0.10	-0.82	2702
109	BADGER S-S-I GOLTH GRANT-ET	TR TP	99	I	7HO14103	50	61	1410	217	94	3.01	5.2	85	1.8	-0.3	0.78	88	1.44	0.60	-2.05	2700
110	PEAK ALTAALTUVE-ET	RC TP	99	I	11HO12155	57	69	1615	200	93	2.81	3.0	84	-1.1	-1.7	1.95	88	0.93	0.93	0.26	2700
111	PROGENESIS MAURICE-ET	TR TP	99	I	777HO11058	43	61	1446	189	97	2.94	5.1	87	0.2	1.4	0.70	89	1.11	0.08	-1.04	2699
112	FLY-HIGHER SABER-ET	TR TC	99	I	29HO18788	52	77	1471	241	96	2.84	5.4	87	0.6	-1.0	0.25	90	0.43	0.44	-0.36	2698
113	FULLTHROTTLE REASONS-ET	TR TP	99	I	566HO01291	33	69	632	183	94	2.84	4.4	85	3.0	-0.3	0.91	85	1.64	1.04	-0.84	2698
114	BLUMENFELD FRAZLD BRASS-ET	TR TP	99	I	7HO14158	33	70	1087	168	95	2.65	5.0	86	0.0	-0.9	1.72	92	1.79	0.72	-0.45	2697
115	PEAK LIGERO-ET	TY TV	96	NA	97HO41744	44	83	1311	222	98	2.81	3.6	91	1.9	-0.4	0.33	95	0.36	0.60	-0.61	2697
116	S-S-I PR CHINCHI CHARGER-ET	TR TP	99	I	7HO13902	49	90	1322	209	96	2.77	1.8	88	-1.1	-1.8	1.01	90	0.87	0.75	0.87	2696
117	SILVERRIDGE V EUGENIO-ET	TR TP	99	I	200HO10549	38	55	1602	140	99	2.77	4.3	96	-0.3	0.2	1.89	97	1.84	1.11	1.12	2696
118	BUTZ-HILL SILVER WINGS-ET	TR TP	99	I	522HO03414	40	90	890	198	99	2.84	1.8	90	-1.9	-0.4	1.32	95	1.14	0.23	0.87	2695
119	MR SUPERHERO NOLAN-ET	TR TC	99	I	551HO03665	49	38	1295	171	96	2.84	6.3	87	2.3	2.0	0.78	91	0.94	-0.07	-1.38	2695
120	OCD DENVER CANNON-ET	TR TP	99	I	7HO12886	35	82	989	185	98	2.82	3.0	91	-1.1	0.7	1.00	92	1.77	-0.38	0.07	2692
121	SILVERRIDGE V EUCLID-ET	TR TP	99	I	200HO10550	45	72	1760	154	99	2.84	4.6	95	0.7	-0.7	1.36	97	0.93	0.77	1.08	2690
122	EDG DELTA-CHANCE-ET	TC TY	99	I	551HO03360	36	68	744	182	99	3.00	3.4	89	0.6	2.1	1.11	88	1.46	-0.29	-0.88	2688
123	SYNERGY WALTER-ET	TR TP	99	I	7HO14059	37	48	672	145	96	3.02	3.9	88	0.1	2.5	1.42	92	1.96	0.39	-0.02	2688
124	COOKIECUTTER MD HARDROCK-ET	TR TP	99	I	250HO13736	63	74	2513	227	99	2.98	1.3	92	-2.3	-1.4	1.37	98	0.94	0.04	-0.50	2686
125	OCD JOSUPER ZAMBONI-ET	TR TP	99	I	7HO12837	57	63	1730	186	99	2.89	2.7	96	-1.9	-1.6	1.53	97	1.79	1.14	0.38	2684
126	ENDCO CHARGER-ET	TR TP	99	I	534HO00075	50	91	1719	241	94	2.94	2.7	85	0.1	-2.5	0.89	86	0.86	0.53	-0.42	2683
127	S-S-I BG DUKE DELROY-ET	TR TP	99	I	14HO13666	47	76	1151	227	99	2.73	4.4	92	-0.2	-0.1	0.51	96	1.14	-1.16	-1.45	2683
128	HURTGENLEA YDR OUTSIDERS-ET	TR TP	100	NA	7HO12819	62	85	2183	224	99	2.89	2.2	97	0.2	-1.4	0.29	97	0.62	-0.42	1.03	2682
129	PINE-TREE PROPHECY-ET	TR TC	99	I	29HO18373	48	82	1032	214	99	3.01	3.3	92	-0.1	0.2	1.05	97	0.24	0.16	-0.15	2680
130	MR SPRING NIGHTHAWK-ET	TC TY	99	I	551HO03442	45	65	1220	197	99	2.78	4.0	90	0.3	-0.7	1.20	97	1.85	-0.37	-0.20	2678
131	TTM ACHIEVER WESTERN-ET	TR TC	99	NA	29HO18853	25	88	793	208	92	2.97	2.8	82	-0.5	0.3	1.15	86	1.73	0.17	-0.61	2678
132	MR FRAZZLED ARISTOCRAT-ET	TC TY	99	I	551HO03701	35	61	894	152	91	2.66	5.4	81	0.7	-0.5	1.37	86	1.80	-0.15	0.68	2672
133	ABS MENTZ-ET	TR TC	99	I	29HO18495	59	68	1922	221	92	3.08	4.2	85	0.0	0.2	0.53	88	0.04	0.52	-0.91	2671
134	FARNEAR DELTA-BETA 241-ET	TR TP	100	NA	151HO03244	34	63	624	180	98	2.86	4.2	90	0.8	0.0	1.52	95	2.11	-0.22	-0.80	2671
135	FOUR-CAL RODEO-ET	TR TP	99	I	1HO13443	38	53	1656	141	94	2.64	3.1	84	-1.7	1.2	1.35	85	1.91	-0.08	-0.30	2669
136	NO-FLA MERRIMAC-ET	TR TC	98	I	29HO18967	39	68	686	170	93	2.76	4.1	82	2.5	-0.9	0.81	86	1.19	1.15	0.04	2669
137	ABS SHERWIN-ET	TR TC	99	I	29HO18719	29	66	327	169	92	2.97	6.0	83	3.5	1.2	0.30	89	0.39	1.69	-1.48	2667
138	LADYS-MANOR BND SEAGLASS-ET	TR TP	100	NA	100HO11968	46	62	1157	171	96	2.85	2.9	87	0.4	-0.6	1.19	91	1.82	0.38	0.08	2666
139	FARNEAR-TBR-BH FARLO-ET	TC TY	100	NA	551HO03476	47	86	1141	258	99	3.03	5.5	88	1.8	-1.3	0.17	95	0.48	-0.30	-2.46	2665
140	MR EDG CYPRUS JAGUAR-ET	TC TY	99	I	551HO03509	51	83	1430	238	97	3.23	2.4	88	-0.8	-0.5	1.03	88	1.25	-0.23	-0.51	2665

Top 200 TPI Bulls December 2021

(Semen status is Active and Foreign with a minimum of 80% traditional US reliability OR 85% genomic reliability for production and type)

HOLSTEIN ASSOCIATION USA, INC 2021

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION					TPI	
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC		
141	BLUMENFELD FRAZLD BASIC-ET	TR TP	99	I	14HO14129	35	45	1112	142	95	2.64	5.6	86	0.2	0.0	1.51	91	1.98	0.87	-0.50	2664
142	ENDCO VIEWPOINT-ET	TR TP	99	NA	200HO10772	39	59	981	146	99	2.86	2.7	93	0.4	-1.6	1.71	96	2.42	1.50	0.20	2664
143	S-S-I SASH HOGAN-ET	TR TP	99	I	7HO13954	39	66	1307	184	94	2.98	3.9	85	3.3	0.6	0.53	90	1.42	0.15	-1.26	2664
144	STE ODILE MILKTIME-ET	TR TP	100	NA	200HO10904	74	63	2595	226	97	2.62	4.6	88	-1.8	-2.1	0.24	94	0.68	-0.38	-0.41	2663
145	CO-OP AARDEMA BERRY BLAK-ET	TR TP	99	I	1HO13425	49	49	527	163	93	2.67	4.7	84	2.7	1.1	0.56	88	0.52	0.39	-0.71	2661
146	SILVERRIDGE V ETESIAN-ET	TR TP	99	I	200HO10606	37	51	1868	126	97	2.76	4.6	90	0.9	0.5	1.84	92	1.42	0.76	0.68	2661
147	MR M-DUKE NECKO	TC TY	99	I	522HO03512	56	63	2208	223	98	2.87	4.4	88	0.6	-0.4	0.49	93	0.65	-0.24	-1.15	2660
148	EDG DELTA-BAYLOR-ET	TR TP	99	I	551HO03419	46	44	1323	173	97	2.79	4.3	88	1.4	1.5	0.99	93	1.67	-0.70	-1.21	2658
149	DE-SU 14136 GENESIS-ET	TR TC	99	I	29HO18703	41	92	1455	239	95	3.04	3.1	86	2.7	-1.4	0.58	90	0.73	-0.03	-0.96	2656
150	MR RUBICON DYNAMO-ET	TR TC	100	NA	551HO03416	46	55	1504	174	99	2.74	5.2	95	1.1	-1.1	1.03	98	1.41	0.83	0.02	2656
151	MR MOGUL DELTA 1427-ET	TR TC	100	NA	203HO01468	33	58	939	197	99	3.00	5.4	99	1.0	0.3	1.18	99	1.80	0.53	-1.65	2655
152	BACON-HILL HURRICANE-ET	TR TP	100	NA	14HO07714	35	74	1044	168	99	2.72	0.0	97	-3.6	0.3	1.53	97	2.01	0.13	0.31	2653
153	S-S-I LA SANDERSON SHIEK-ET	TR TP	99	I	7HO14010	34	73	1217	185	94	2.98	3.9	87	2.0	0.5	1.08	91	0.63	0.47	-0.67	2652
154	PEAK ALTAOVID-ET	TR TP	99	I	11HO12127	42	45	1089	137	94	2.86	4.3	86	1.5	1.5	1.23	86	0.89	0.24	0.16	2648
155	TJR MODESTY RIDLEY-ET	TC TY	100	NA	551HO03636	26	55	317	138	92	2.95	5.1	82	3.0	1.2	0.93	87	1.67	0.65	-0.55	2648
156	UECKER SUPERSIRE JOSUPER-ET	TR TC	99	I	29HO17553	68	77	2430	204	99	2.87	3.5	99	-0.4	-2.1	0.48	99	0.54	-0.84	1.11	2648
157	ABS JOHNSTOWN-ET	TR TC	99	I	29HO18508	46	84	1461	221	97	2.73	4.7	89	1.3	-1.9	0.75	89	0.47	-0.47	-0.52	2647
158	L-L-M-DAIRY POND PASSAT-ET	TR TP	99	I	7HO12659	32	78	1067	217	99	2.92	4.0	97	0.0	0.7	0.20	94	0.67	-0.08	-1.17	2647
159	ABS ASHFORD-ET	TC TY	99	NA	29HO18303	39	72	1116	190	92	3.08	2.1	85	2.0	-0.2	1.01	88	1.35	0.97	-1.16	2646
160	ROSYLANE-LLC SS MARVEL-ET	TR TC	99	I	551HO03444	41	42	1180	125	94	2.84	6.1	84	3.9	3.1	-0.28	87	0.26	0.77	0.25	2646
161	ABS ROWDY-ET	TC TY	99	I	29HO17947	61	75	1966	232	99	2.88	4.9	96	0.3	-0.7	0.12	92	0.04	-1.33	-0.26	2644
162	MELARRY FRAZZLED TBIRD-ET	TR TP	99	I	7HO14335	42	88	1456	234	94	2.66	4.8	85	0.9	-1.0	-0.29	89	0.23	-0.98	-1.28	2642
163	PEAK DRAFTKING-ET	TR TP	100	NA	97HO42012	48	80	1011	206	94	3.02	2.9	83	0.5	-0.9	0.57	88	1.27	-0.21	0.27	2641
164	DENOVO 14368 CAPRI-ET	TR TC	99	I	29HO18802	51	38	1635	152	91	2.68	6.7	82	2.6	1.0	0.21	86	0.96	-0.80	0.11	2635
165	PEAK ALTAGILMORE-ET	TR TP	99	I	11HO12168	50	86	1045	227	98	2.89	4.2	88	1.5	-0.6	-0.56	88	-0.35	-0.47	-1.07	2635
166	PEAK ALTADATELINE-ET	TR TP	100	NA	11HO12180	49	52	1294	147	94	2.59	1.8	84	-2.8	-0.4	1.60	88	1.71	0.48	0.99	2632
167	PINE-TREE VERONA-ET	TR TC	99	I	29HO18197	37	69	272	171	99	2.87	2.4	95	-0.3	1.6	0.29	96	0.58	0.72	0.05	2632
168	DOUBLE-EAGLE BAYON DEANO-ET	TR TP	100	NA	7HO12928	55	79	1854	211	99	3.07	1.6	91	-1.1	-0.8	1.81	95	0.63	0.08	-0.11	2631
169	BLUMENFELD BOURBON SAID-ET	TR TP	99	I	1HO13437	65	59	2206	211	96	3.03	3.3	87	-0.3	-1.1	0.80	85	1.29	0.08	-1.25	2630
170	S-S-I KINGPIN PHANTOM-ET	TR TP	99	I	7HO13334	68	84	1920	231	99	2.89	0.4	96	-3.1	-2.9	1.21	96	0.82	-0.46	1.05	2629
171	ROSYLANE-LLC SPOCK-ET	TC TY	99	I	29HO18182	22	105	52	182	99	2.84	2.5	97	-0.6	-1.6	0.83	96	0.72	0.94	0.81	2628
172	HARTFORD RUBI-TAZ-ET	TC TY	99	I	551HO03420	31	74	806	169	98	3.07	4.3	89	2.1	1.0	0.43	94	0.12	1.28	0.11	2624
173	S-S-I HEINZ VIKING-ET	TR TP	99	I	7HO13563	45	55	1400	159	95	2.78	4.8	88	0.9	1.1	0.34	89	0.26	0.45	0.57	2623
174	LANGS-TWIN-ELM CH ARCHY-ET	TR TP	99	I	1HO13486	46	62	1402	183	92	2.59	4.0	83	0.7	-0.8	0.62	85	0.15	0.46	-0.17	2621
175	MR RUBICON DYNASTY-ET	TR TC	100	NA	551HO03418	47	76	688	216	99	2.80	4.2	96	0.8	-0.9	0.32	98	0.44	-0.36	-0.10	2621

Top 200 TPI Bulls December 2021

(Semen status is Active and Foreign with a minimum of 80% traditional US reliability OR 85% genomic reliability for production and type)

HOLSTEIN ASSOCIATION USA, INC 2021

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION						
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
176	OCD SPRING SAMURI-ET	TR TP	99	I	7HO12897	35	73	311	169	99	3.03	2.5	97	-0.4	1.9	0.94	99	0.47	0.08	0.54	2621
177	LEANINGHOUSE HELIX 22137-ET	TR TP	99	I	7HO12978	29	45	376	116	99	2.61	2.5	93	-2.4	0.9	1.97	98	2.13	1.15	-0.02	2620
178	WILRA ABS OAKLAND-ET	TR TC	99	I	29HO18661	12	44	-8	118	95	2.64	7.9	87	4.8	2.1	0.09	90	0.93	1.39	-2.09	2620
179	CO-OP ME LANDMINE-ET	TR TP	99	NA	1HO13087	54	74	2215	224	99	2.98	2.4	96	-2.0	0.4	0.24	93	0.03	-0.14	-0.63	2618
180	FARNEAR TBR DELTA-JOLT-ET	TR TC	99	I	551HO03443	19	56	74	131	99	2.83	6.5	91	0.8	2.0	0.83	94	1.02	0.62	-0.10	2618
181	T-SPRUCE FRAZZLD FREEDOM-ET	TR TP	99	I	7HO14455	44	55	1594	185	96	2.45	5.3	86	0.1	-0.6	0.02	87	1.02	-0.40	-1.25	2618
182	S-S-I LA ZAMBONI ZANDER-ET	TR TP	99	I	7HO14113	70	66	2659	229	93	2.97	2.1	83	-2.2	-3.9	1.25	86	1.36	0.38	-0.04	2617
183	MELARRY JOSUPER FRAZZLED-ET	TR TP	99	I	7HO12788	41	72	1640	178	99	2.48	6.6	99	-0.1	-1.5	0.02	99	0.86	-0.77	-0.51	2615
184	TEEMAR ASTON-ET	TR TC	99	I	29HO18076	56	72	1804	190	93	2.92	4.1	86	0.5	0.0	-0.08	88	-0.26	-0.12	0.47	2615
185	ABS NEDREBO-ET	TR TC	99	I	29HO18588	59	48	2304	184	95	2.71	5.8	88	2.2	0.0	-0.11	88	0.32	-0.92	-0.61	2614
186	BUTZ-HILL DELTA-WORTH-ET	TC TY	99	I	551HO03415	29	82	948	217	99	2.78	4.2	90	1.7	0.0	0.23	98	0.74	-0.88	-1.57	2614
187	DE-SU 13530 SEVILLE-ET	TR TC	99	I	29HO18490	47	63	924	180	99	2.85	2.7	92	-1.5	1.4	0.24	96	0.29	0.24	0.46	2611
188	MR SPRING NOBLE-ET	TR TC	99	I	551HO03412	25	28	930	118	98	2.72	5.5	87	1.7	1.9	1.50	96	2.06	-0.45	-0.54	2604
189	WILRA HARVEST-ET	TC TY	99	I	29HO18043	30	38	790	101	98	2.91	4.7	94	0.9	1.0	2.22	95	1.72	1.05	0.35	2604
190	PINE-TREE HOWLER-ET	TR TC	99	I	29HO18878	32	50	506	145	90	2.71	4.4	81	1.5	0.5	0.90	85	1.24	0.33	-0.56	2603
191	LADYS-MANOR BAND SEASAW-ET	TR TP	100	NA	566HO01293	27	43	467	105	93	2.64	4.9	83	3.7	1.6	0.50	88	1.18	0.69	0.44	2602
192	MR PRE DIRECTOR 57512-ET	CD TY	100	NA	151HO01602	23	29	-18	105	99	2.79	7.5	95	4.7	3.0	0.95	96	1.29	-0.29	-0.37	2601
193	RONELEE DETOUR BOUNTY-ET	TR TP	99	I	14HO14038	52	75	1320	212	96	2.74	2.2	87	-1.2	-1.9	0.54	89	1.02	-0.41	-0.64	2601
194	EDG BOB CYPRUS 15120-ET	TC TY	99	I	151HO00742	36	61	429	136	97	2.83	1.7	93	-0.6	2.2	1.19	95	1.19	-0.87	0.94	2600
195	ENDCO THE ANSWER-PO-ET	TR PC	100	NA	534HO00056	56	68	1956	206	98	3.15	2.3	93	-1.4	-0.8	0.94	96	1.24	-0.18	-0.08	2599
196	MR DDS RUBI-HAZE 54682-ET	TC TY	100	NA	151HO03206	30	53	367	135	96	2.78	3.7	88	2.6	0.8	1.17	93	0.70	1.00	0.68	2599
197	PROGENESIS ORION-ET	TR TP	99	I	200HO10457	30	50	1397	142	99	2.79	3.1	97	-3.5	0.8	1.99	98	2.06	0.20	0.22	2597
198	MR M-DUKE NEWTON-ET	TR TC	100	NA	551HO03593	38	47	1197	151	92	2.83	4.7	82	0.8	0.7	1.05	85	1.47	-0.50	-0.69	2592
199	MR SALVATORE RC-ET	RC TP	100	NA	534HO00061	30	38	1529	97	99	2.65	5.6	95	1.5	0.1	1.72	98	1.24	1.41	0.75	2591
200	MORNINGVIEW RAWHIDE-ET	TR TC	99	I	29HO18337	36	64	716	164	97	2.88	1.8	90	-1.9	-2.0	2.03	92	1.76	1.22	0.36	2590