

## Top 200 TPI Bulls December 2022

(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 2022

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION						
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
1	GENOSOURCE CAPTAIN-ET	TR TC	99	I	551HO04119	76	134	2202	361	90	2.99	5.0	80	0.9	1.3	1.44	88	1.32	0.66	-1.85	3214
2	MR T-SPRUCE FRAZZ LIONEL-ET	TR TP	98	I	7HO14454	99	155	3565	428	99	2.83	3.4	90	-1.0	-2.6	0.60	98	0.81	-0.62	-0.51	3132
3	HURTGENLEA RICHARD CHARL-ET	TR TC	99	I	551HO03529	59	112	2056	294	99	2.87	4.2	91	0.8	1.0	1.15	98	1.03	0.19	-1.28	2995
4	ST GEN R-HAZE RAPID-ET	TC TY	100	NA	551HO03591	66	94	1844	258	99	3.03	3.1	90	0.4	-0.7	2.46	98	2.17	1.43	1.21	2993
5	DE-SU FRAZZ TAHITI 14104-ET	TR TP	99	I	7HO14229	74	107	2269	327	99	3.00	4.5	91	0.8	0.9	0.94	98	1.01	-1.25	-1.43	2986
6	TTM ACHIEVER EMERGE-ET	TR TC	99	NA	29HO18852	49	143	1407	314	97	2.90	2.7	88	1.9	-0.5	0.63	92	0.59	0.80	-0.77	2974
7	BLUMENFELD MYLES ARKHAM-ET	TR TP	99	I	1HO13802	71	94	1919	265	98	2.83	4.4	89	0.7	0.1	0.73	91	1.45	0.36	-0.09	2954
8	S-S-I PR RENEGADE-ET	TR TP	99	I	250HO14134	55	87	909	215	99	2.92	3.4	88	0.0	1.3	1.88	97	1.71	1.81	1.26	2946
9	DENOVO 2705 VENTURE-ET	TR TC	99	I	29HO18870	44	131	1101	316	99	2.67	4.9	90	2.4	0.1	-0.33	92	0.75	-0.18	-1.66	2941
10	DELICIOUS H-NOON TAMPA-ET	TR TC	99	I	551HO03797	65	61	1846	242	98	2.98	6.8	88	2.9	2.7	0.73	96	1.24	1.04	-1.28	2927
11	MR RI-VAL-RE FREE BILLY-ET	TR TC	99	I	29HO18906	75	150	1412	405	99	3.12	3.2	90	2.1	-2.0	-0.71	96	-0.54	-0.46	-2.14	2927
12	PENN-ENGLAND BARCLAY-ET	TR TP	99	I	7HO14804	58	107	1498	291	97	3.03	2.6	88	-0.2	-0.2	1.41	92	1.52	0.35	-1.31	2915
13	CO-OP DUKE ENDEAVOR-ET	TR TP	99	I	1HO14018	72	112	1485	300	98	2.93	2.4	88	-1.7	-0.3	0.99	90	0.91	-0.23	-0.08	2913
14	MCNALLAN MATTERS ELWOOD-ET	TR TP	99	I	1HO13878	57	122	1264	305	98	2.88	3.0	88	0.2	0.2	0.43	92	0.18	0.62	-0.25	2907
15	PINE-TREE-I PURSUIT-ET	TR TP	99	I	777HO11186	57	73	1448	232	99	2.86	6.6	90	1.0	0.2	1.66	98	1.26	1.28	0.67	2906
16	BGP YOLO-ET	TR TP	100	NA	734HO00091	38	102	891	231	99	2.85	2.6	92	1.1	0.2	1.78	96	2.55	0.94	-0.16	2904
17	DENOVO 14744 GINETTA-ET	TR TC	99	I	29HO18957	64	99	1377	273	97	2.83	4.1	88	0.8	0.9	0.76	91	0.28	-0.40	0.12	2898
18	SILVERRIDGE V TIMBERLAKE-ET	TR TP	99	I	777HO11288	70	67	2400	252	98	2.83	4.6	89	0.2	-0.1	1.00	96	2.53	-0.20	-0.64	2897
19	OCD LEGENDARY COFFEE-ET	TR TP	99	I	250HO14310	44	93	746	211	99	2.71	4.9	92	2.7	-0.3	1.86	96	1.44	1.26	0.91	2889
20	OCD HELIX ALPHABET-ET	TR TP	100	NA	7HO14320	67	97	2578	280	99	2.95	3.7	88	-1.7	-0.4	1.32	94	1.44	-0.05	-0.54	2886
21	PEAK ALTAKLAEBO-ET	TR TP	99	I	11HO12323	57	81	916	234	98	2.77	4.7	88	1.5	1.9	0.93	93	1.06	-1.31	-0.09	2873
22	FARNEAR MIAMI-ET	TR TC	99	I	551HO03970	48	71	1166	223	92	2.78	5.3	81	1.8	0.5	1.88	85	2.03	0.30	-0.28	2871
23	STUNNING-M ALTADARVISH	TR TP	100	NA	11HO12203	78	125	2582	319	98	2.84	1.4	89	-2.7	-4.0	1.21	86	1.33	-0.58	-0.07	2870
24	CLAYNOOK ZASBERILLA-ET	TR TP	100	NA	777HO11668	65	99	1267	251	94	2.85	1.1	84	-2.7	-1.6	2.24	88	2.44	-0.29	0.58	2869
25	S-S-I BG FESTIVS SERTOLI-ET	TR TP	99	I	14HO14629	54	77	1401	205	94	2.77	3.6	83	0.4	1.8	1.20	86	1.54	0.40	1.07	2867
26	S-S-I DEANO JAMARCO-ET	TR TP	99	I	7HO14545	70	127	1731	308	96	2.91	2.7	88	-0.2	-3.9	1.67	92	1.13	0.06	-0.20	2861
27	REGAN-DANHOF COPYRIGHT-ET	TR TP	99	I	200HO11607	63	81	2304	235	97	2.91	3.3	88	-0.9	-0.9	1.82	95	2.08	0.36	0.75	2856
28	LARS-ACRES CC FINISHLINE-ET	TR TP	99	I	7HO14705	50	96	1300	244	93	2.82	4.4	84	0.0	0.0	1.26	89	1.61	0.35	-0.76	2855
29	CHERRY-LILY ZIP LUSTER-P-ET	TR PC	99	I	7HO14160	46	76	1558	212	99	2.75	2.2	95	-0.7	-0.2	2.82	98	2.28	1.59	-0.28	2850
30	PINE-TREE MERCEDES-ET	TR TC	99	I	29HO19130	57	82	797	229	92	2.69	6.0	83	2.4	0.2	0.54	87	0.57	0.65	-0.32	2848
31	SILVERRIDGE V EINSTEIN-ET	TR TP	99	I	200HO11586	53	82	1082	205	97	2.62	4.8	88	0.4	0.4	1.10	96	1.72	-0.35	0.36	2847
32	DEXPRO MOJO-ET	TR TC	99	I	29HO18987	55	67	917	173	95	2.65	5.3	87	2.2	1.3	1.32	90	0.89	0.73	1.69	2838
33	GENOSOURCE GUZMAN-ET	TC TY	99	I	551HO03799	72	86	1880	269	98	2.95	3.9	87	0.5	0.2	-0.01	95	0.42	0.75	0.52	2835
34	BLUMENFELD IMPERIAL-ET	TR TP	99	I	200HO11398	68	109	2220	294	96	3.08	2.9	88	-0.8	-2.1	1.12	93	0.74	0.55	0.77	2831
35	SANDY-VALLEY CREAMER-ET	TR TC	99	NA	29HO19017	31	109	453	231	96	2.68	2.6	88	1.2	-1.1	1.16	93	2.10	1.20	-0.48	2831

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					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
36	SANDY-VALLEY CHALLENGER-ET	TR TP	99	I	777HO11028	34	77	658	174	99	2.69	3.6	91	1.2	0.9	1.72	98	2.78	0.23	-0.37	2825
37	BOMAZ MONUMENT-P-ET	TR PC	99	I	29HO19071	41	99	398	236	95	2.70	5.5	85	4.2	0.5	0.30	87	0.61	-0.18	-0.23	2824
38	PEAK MATCHUP-ET	TR TP	99	I	97HO42013	64	85	2076	246	97	2.83	5.2	87	2.4	0.4	0.16	95	0.52	-0.99	-0.29	2822
39	PINE-TREE AGENCY-ET	TR TC	99	I	29HO18963	58	98	1545	280	97	2.83	4.4	88	1.4	-0.8	0.15	89	0.63	0.01	-1.26	2815
40	BOMAZ MONTREAL-ET	TR TC	99	I	29HO18984	49	129	530	287	99	3.10	2.7	89	1.1	-0.6	0.16	91	0.12	0.20	-0.75	2813
41	WELCOME GODDARD 3571-ET	TR TP	99	I	7HO14438	63	95	1793	275	99	2.75	5.7	90	1.1	0.4	-0.36	93	-0.34	-0.21	-0.92	2813
42	WESTCOAST ALCOVE	TR TP	99	I	777HO11000	66	114	1761	271	99	3.03	0.3	94	-2.7	-1.6	1.32	97	1.14	0.34	0.79	2809
43	WINSTAR ANISTON-ET	TR TC	99	I	29HO19079	43	117	883	292	94	2.76	4.4	85	1.1	-0.9	-0.04	89	0.69	-0.21	-1.64	2809
44	BPS PANTHER FOXCATCHER-ET	TR TP	99	I	7HO14578	53	68	1256	200	98	2.74	5.3	89	1.4	2.3	0.39	92	0.65	-0.23	-0.10	2808
45	MR SPRING NIGHTCAP 74636-ET	TC TY	99	I	551HO03369	55	77	1433	248	99	2.84	3.6	95	0.6	0.4	0.95	97	1.70	-0.99	-0.76	2802
46	A-S-CANNON FRZZLD BIG AL-ET	TR TP	99	I	7HO14451	36	102	259	246	99	2.61	5.3	88	1.5	0.2	0.67	96	0.58	-0.18	-0.61	2800
47	AURORA MITCHELL-ET	TY TV	100	NA	515HO00318	41	66	822	159	97	2.67	3.6	88	0.9	1.4	2.43	94	1.70	0.74	0.97	2798
48	S-S-I DOC ALUM	TR TP	99	I	7HO14608	48	81	990	203	92	3.09	4.0	83	0.7	1.0	1.74	88	1.10	0.70	0.48	2798
49	COOKIECUTTER R HIDEYHO-ET	TR TP	99	I	7HO14692	53	89	1026	222	96	3.20	3.1	87	1.1	-0.1	1.52	92	1.53	0.00	1.07	2797
50	DENOVO 14854 SLINGER-ET	TR TC	99	I	29HO18979	67	68	1979	234	98	2.80	6.9	88	3.3	2.4	-0.43	92	-0.17	-1.31	-0.93	2797
51	PEAK ALTAINDIGO-ET	TR TP	98	I	11HO12328	63	94	1662	262	96	2.93	3.1	88	1.4	-2.1	1.04	88	1.23	-0.03	0.57	2796
52	TAG-LANE ELEMENT	TR TC	99	I	29HO18795	33	105	300	223	98	2.89	5.1	90	3.4	1.2	0.32	91	0.32	0.28	-0.25	2796
53	COOKIECUTTER HIGHLITE-ET	TR TP	99	I	14HO14690	44	85	1301	222	94	2.71	3.6	85	0.1	0.5	1.59	90	1.51	-0.44	-0.08	2795
54	MR WINGS NORTON-ET	TR TC	99	I	551HO03713	71	67	1714	277	99	2.83	4.2	90	1.1	-0.8	0.41	97	0.76	0.55	-1.54	2794
55	PINE-TREE HEROIC-ET	TR TC	99	NA	29HO19000	24	114	119	241	98	2.84	4.2	89	1.6	-1.0	1.17	91	1.47	0.41	-1.34	2794
56	WOODCREST KING DOC	TR TP	99	I	250HO12961	53	67	1581	175	99	3.11	3.9	98	-0.4	-1.1	3.19	99	2.15	1.95	0.93	2794
57	DENOVO 7895 MENTOR-ET	TR TC	99	I	29HO18775	63	55	1874	204	93	2.67	4.9	87	1.0	0.9	1.05	89	1.48	-0.04	-0.01	2792
58	MR SUPERHERO DEDICATE-ET	TR TC	99	I	551HO03590	50	69	1069	220	98	2.83	5.4	87	2.6	1.5	0.74	96	1.23	-0.45	-1.13	2792
59	PEAK ALTAGOPRO-ET	TR TP	100	NA	11HO12124	79	84	2914	266	99	2.83	2.6	91	-1.8	-1.5	1.39	96	0.77	-1.20	1.16	2792
60	C-HAVEN HARLOW-ET	TR TP	99	NA	14HO14587	32	101	1147	237	98	2.76	4.5	89	3.7	-1.8	0.82	92	1.46	1.01	-1.57	2791
61	DELICIOUS CHARL YIS-ET	TR TC	99	I	551HO03872	38	61	1084	174	96	2.69	5.0	84	3.3	2.6	1.11	86	1.50	-0.48	-0.83	2791
62	DENOVO 14604 COMBO-ET	TR TC	99	I	29HO18895	69	87	1809	253	92	2.84	4.9	84	-0.1	-1.1	0.86	88	0.38	-0.25	0.44	2790
63	FAIRMONT MEDLEY RADLEY	TR TC	99	I	29HO19049	68	71	1743	214	91	2.96	4.1	82	1.5	-0.8	0.95	87	1.00	0.77	0.38	2790
64	SANDY-VALLEY EISAKU-ET	TR TP	99	I	7HO14364	46	78	1245	214	99	3.13	4.1	90	1.4	0.8	1.99	97	0.77	0.90	0.33	2789
65	TJR NOBLE IRVINE-ET	TR CD	99	I	551HO03788	52	56	1530	213	98	2.97	3.9	87	1.3	2.6	0.93	85	1.94	-1.09	-0.64	2785
66	AURORA ALTAANTONIO-ET	TR TP	99	I	11HO12083	56	80	989	229	98	2.78	3.9	93	0.9	-0.5	1.26	95	0.89	0.81	0.23	2783
67	BLUMENFELD GDANC RORY-ET	TR TP	100	NA	1HO12964	65	112	1786	311	99	2.94	2.8	93	2.1	-3.1	0.49	94	0.54	-0.72	-0.89	2783
68	PINE-TREE ACHIE KORBEL-ET	TR TP	99	I	1HO13879	60	88	1808	283	98	2.74	5.5	88	1.6	-1.2	0.27	90	0.36	-0.46	-2.16	2783
69	BOMAZ FASTBALL-ET	TR TP	99	I	200HO11505	46	64	1935	206	95	2.80	6.1	86	1.2	0.4	1.01	90	1.62	0.78	-1.10	2782
70	FARNEAR DELTA-LAMBDA-ET	TR TP	100	NA	551HO03379	44	45	1259	160	99	2.76	4.6	97	0.4	0.3	2.71	99	2.99	0.80	0.11	2782

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71	ABS ACHIEVER-ET	TC TY	99	NA	29HO18296	26	118	161	256	99	2.68	4.2	98	4.0	-1.3	0.13	99	0.90	0.35	-1.68	2781
72	DE-SU 14077 TORONTO-ET	TR TC	99	I	29HO18705	57	103	1368	247	93	2.79	3.2	85	2.0	-1.7	1.00	89	0.03	0.54	0.45	2780
73	PEAK ALTAHOTHAND-ET	TR TP	100	NA	11HO12178	65	66	1837	241	98	2.67	2.0	89	-1.2	-1.4	1.75	93	1.82	0.47	-0.60	2780
74	WILRA BURNETT-ET	TR TC	99	I	29HO18731	33	121	175	235	96	2.98	1.7	88	1.8	-1.6	1.62	90	1.13	0.88	0.17	2779
75	BOMAZ ALTASOHOT-ET	TR TP	99	I	11HO12345	60	134	1376	322	98	2.87	3.6	89	2.9	-2.1	-0.96	91	-0.56	-1.34	-1.23	2778
76	MAPLEHURST DELROY TORRO-ET	TR TP	99	I	1HO14127	54	85	1367	261	91	2.91	4.1	83	0.1	-0.5	0.81	86	1.33	-0.23	-1.94	2778
77	PINE-TREE TORTUGA-ET	TR TC	99	I	29HO18711	46	89	630	233	96	2.93	4.0	89	2.9	0.8	0.67	92	0.65	0.40	-1.52	2777
78	DENOVO 14400 ADVANCE-ET	TR TC	99	I	29HO18783	44	103	862	292	99	2.61	5.8	89	4.5	-1.2	-0.61	89	-0.20	-0.21	-2.64	2776
79	MR MONSTER-ET	TR TP	99	I	734HO00082	82	65	2753	243	97	2.67	3.2	91	-0.3	-1.3	1.05	90	0.93	-0.75	1.20	2776
80	DENOVO 14756 AUBURN-ET	TR TC	99	I	29HO18956	44	103	815	255	95	2.84	3.0	86	1.9	0.3	0.28	88	0.73	-0.59	-0.33	2775
81	WELCOME SILVER GRIFF-ET	TR TP	100	NA	14HO07796	55	105	817	256	99	3.11	2.5	97	-0.5	0.4	0.80	96	0.48	0.08	-0.43	2774
82	AARDEMA MAPQUEST-ET	TR TP	98	I	1HO13818	42	89	1433	234	99	2.71	5.6	89	2.1	0.9	0.00	90	0.61	-0.32	-0.33	2773
83	MAPLEHURST ALBATROSS-ET	TR TC	99	I	29HO18876	38	99	859	239	97	2.93	5.0	87	4.1	0.2	0.60	90	0.34	0.55	-1.05	2773
84	KINGS-RANSOM BIG DOLLARS-ET	TR TP	99	I	7HO14436	63	72	2755	240	98	2.62	6.3	89	2.7	-1.9	0.34	95	0.99	-0.85	-0.98	2771
85	ENGLAND-AMMON BANJO-P-ET	TR PC	99	I	7HO14694	49	68	934	178	94	2.94	1.3	84	-1.2	1.9	1.41	88	1.71	0.80	1.33	2768
86	PROGENESIS POSITIVE	TR TP	100	NA	200HO10955	49	114	991	260	99	3.03	1.4	92	-1.8	-2.7	1.47	99	1.97	0.19	-0.64	2766
87	GENOSOURCE WORTH THERISK-ET		99	I	551HO03983	43	93	1234	290	97	2.96	4.6	86	4.1	0.0	0.18	90	0.90	-1.20	-3.60	2764
88	JAUQUET PANAMERA-ET	TR TP	99	I	200HO11395	41	87	1033	187	93	2.67	4.6	83	2.8	1.1	0.57	86	0.55	0.12	0.33	2764
89	PEAK ALTAINGOLD-ET	TR TP	99	I	11HO12158	61	60	1506	221	95	2.96	0.6	87	-4.2	0.6	1.77	89	1.60	1.51	-0.86	2764
90	PEAK ALTAZAREK-ET	TR TP	99	I	11HO12219	55	82	1536	228	99	2.86	5.2	91	1.3	-1.2	0.76	95	0.89	0.59	-0.69	2764
91	PINE-TREE PLAZA-ET	TR TC	99	I	29HO18855	36	84	811	203	99	3.27	4.4	89	3.6	1.3	0.70	89	1.32	1.06	-0.78	2762
92	DE-SU MILLINGTON 12074-ET	TR TP	99	I	7HO12421	45	96	1150	255	99	2.71	2.3	99	-2.0	-0.6	1.03	99	1.02	0.36	-0.56	2761
93	DENOVO 14444 FORTUNE-ET	TR TC	99	NA	29HO18834	40	73	1374	226	94	2.56	5.1	87	4.3	-0.3	0.37	89	1.35	0.29	-2.12	2761
94	DENOVO 8084 ENTITY-ET	TR TC	99	I	29HO18858	44	103	1027	243	99	2.93	3.6	90	3.3	-1.3	0.61	94	0.71	0.95	0.09	2761
95	MR FARNEAR HELIX TWITCH-ET	TC TY	100	NA	551HO03714	36	96	1002	226	99	2.79	3.6	89	-2.2	0.0	1.19	96	1.82	-0.38	-0.55	2761
96	PEAK ALTAABBA-ET	TR TP	99	I	11HO12264	47	76	1697	197	98	2.74	2.8	88	0.9	0.7	1.19	94	0.94	0.47	0.93	2760
97	SCHREUR SHIMMER-ET	RC TC	100	NA	29HO17442	49	40	1951	154	95	2.75	5.9	88	1.5	-0.5	2.07	93	1.91	2.03	0.22	2760
98	PEAK ALTAALTUVE-ET	RC TP	99	I	11HO12155	63	76	1778	222	97	2.77	3.5	89	-0.8	-1.8	1.76	94	0.71	0.87	0.50	2758
99	BOMAZ SAIGE-ET	TR CD	98	I	29HO18923	41	72	1067	228	98	2.81	4.8	88	2.1	0.4	0.73	93	1.21	0.01	-1.10	2757
100	MATCREST DEWEY-ET	TR TC	99	I	29HO18755	44	80	1024	223	98	3.06	5.5	88	3.6	-0.1	0.93	93	0.76	1.04	-0.97	2755
101	DENOVO 14420 PROFOUND-ET	TR TC	99	I	29HO18839	54	55	1525	173	92	2.54	5.3	86	-0.2	-0.4	1.36	91	1.58	0.34	0.36	2754
102	RMD-DOTTERER SSI MAXIMUS-ET	TR TP	99	I	7HO14859	40	79	989	231	96	3.05	4.5	87	1.6	-0.1	0.86	92	1.93	0.16	-2.11	2754
103	OCD RASMUS DAHLIN-ET	TR TC	99	I	29HO19095	29	68	200	155	94	2.76	5.2	85	3.6	1.8	1.58	88	1.52	-0.07	0.71	2753
104	S-S-I MILLINGTON TOTEM-ET	TR TP	99	I	250HO13531	34	75	679	188	94	2.67	3.0	88	-0.1	0.3	1.88	89	1.85	0.75	-0.10	2752
105	ABS JERONIMO-P-ET	TR PC	99	I	29HO18698	27	81	-340	187	96	2.59	3.8	85	1.5	2.0	1.04	91	1.10	-0.31	-0.05	2745

# Top 200 TPI Bulls December 2022

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HOLSTEIN ASSOCIATION USA, INC 2022

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION						
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
106	LARS-ACRES SSI EVERSON-ET	TR TP	99	I	14HO14794	52	70	1437	211	90	2.81	4.0	81	1.1	-1.1	0.93	86	1.58	0.53	0.04	2745
107	MELARRY RESOLVE TRY ME-ET	TR TP	99	I	14HO14636	47	33	888	137	98	2.74	7.8	88	3.9	2.9	0.85	94	0.93	-0.07	0.28	2745
108	SIEMERS FRAZZ BUZZARD-ET	TR TP	99	I	1HO13813	46	81	1118	204	99	2.85	4.2	90	1.0	-0.2	0.92	93	1.68	-0.52	0.00	2745
109	ABS ETSY-ET	TR TC	99	I	29HO18669	30	87	267	176	94	2.71	3.7	86	2.0	0.9	0.81	90	0.85	0.49	0.42	2742
110	BOMAZ YUCATAN-ET	TR TC	99	I	29HO19105	47	94	879	236	92	2.81	3.7	83	1.7	-0.8	1.03	85	0.82	-0.49	0.16	2741
111	PROGENESIS MAESTRO-ET	TR TP	99	I	200HO11330	51	69	1200	196	98	2.76	4.4	88	1.3	-1.1	1.27	97	1.34	0.54	1.39	2741
112	DE-SU 13798 OXFORD-ET	TR TC	99	I	29HO18554	68	76	1695	237	98	2.90	2.2	93	0.7	-0.9	0.71	94	0.96	0.20	0.30	2739
113	N-SPRINGHOPE MAVERICK-ET	TR TC	99	I	29HO19125	63	78	1430	242	95	2.86	5.6	86	2.6	-0.7	-0.33	90	0.04	-0.08	-0.97	2739
114	OCD HELIX MILFORD-ET	TR TP	100	NA	14HO14315	55	98	1135	278	98	2.87	2.7	90	-1.4	-1.9	0.97	92	0.49	0.56	-0.27	2738
115	ST GEN NOBLE DUBAI-ET	TR TC	99	I	551HO03800	36	39	694	152	95	2.75	5.9	84	3.5	3.8	0.88	88	1.29	-0.54	-0.89	2737
116	MR SUPERHERO NOLAN-ET	TR TC	99	I	551HO03665	51	45	1559	185	99	2.82	6.1	90	2.8	1.9	0.63	94	1.04	0.00	-1.31	2736
117	AOT SILVER HELIX-ET	TR TP	100	NA	14HO07770	61	111	1754	291	99	3.04	0.9	99	-6.1	-1.7	1.05	99	0.79	-0.24	0.16	2735
118	SANDY-VALLEY EMINENT-ET	TR TP	99	I	7HO14329	32	74	513	197	98	2.87	5.2	87	2.9	2.5	0.34	89	0.61	0.33	-0.89	2735
119	MR EDG NOBLE IMPERIAL-ET	TC TY	99	I	551HO03812	34	35	560	145	95	2.65	6.5	83	2.8	3.3	1.00	86	1.91	-0.40	-0.80	2733
120	WILDER MARK-ET	RC TP	99	I	200HO07923	41	64	1439	167	95	2.91	5.1	85	0.6	2.2	1.33	93	1.09	0.10	0.15	2733
121	MR RUBICON CASHIN-ET	TC TY	100	NA	551HO03449	49	84	1608	257	99	2.86	3.6	93	0.4	-1.4	0.82	91	1.62	-0.13	-1.28	2727
122	FARNEAR-TBR-BH FARLO-ET	TC TY	100	NA	551HO03476	46	90	1204	261	99	3.06	5.6	96	3.3	-0.3	0.28	95	0.51	-0.21	-2.40	2726
123	S-S-I BG FRZLD RIVETING-ET	TR TP	99	I	14HO14220	32	43	618	142	99	2.60	6.7	91	3.4	2.2	0.69	99	1.49	0.21	-0.73	2726
124	SANDY-VALLEY COPYCAT-TW-ET	TR TP	99	I	7HO12974	46	81	1191	186	99	2.70	3.0	96	-2.4	-0.3	1.46	99	1.53	0.22	1.52	2726
125	LADYS-MANOR BND SEAGLASS-ET	TR TP	100	NA	100HO11968	48	66	1244	184	97	2.83	3.3	90	0.7	-0.6	1.31	92	1.91	0.69	0.01	2725
126	OCD ALTASWAG-ET	TR TP	100	NA	11HO11963	53	98	1160	237	99	3.05	0.8	96	-0.4	-0.6	0.99	95	0.63	0.45	0.52	2725
127	MR DYNASTY NASHVILLE-ET	TR TC	99	I	551HO03600	60	72	1419	254	99	3.03	5.1	90	1.7	0.1	0.02	98	-0.35	1.62	-0.79	2724
128	PEAK LIGERO-ET	TY TV	96	NA	97HO41744	45	83	1351	229	98	2.82	3.6	94	2.3	0.0	0.38	95	0.36	0.58	-0.65	2724
129	HOOGERHORST DG OH RUBELS-RED	TC TY	100	NA	29HO17459	45	72	972	198	93	2.75	3.8	87	2.4	-1.9	1.93	89	1.62	0.89	0.03	2723
130	PINE-TREE CW LEGACY-ET	TR TP	99	I	7HO14250	23	58	33	140	99	2.54	8.3	91	4.1	2.3	0.49	99	1.46	-0.59	-0.95	2723
131	PROGENESIS BLUFF	TR TY	99	I	200HO10969	49	43	2204	138	98	2.79	4.8	91	2.2	0.7	1.46	93	2.19	0.23	0.39	2723
132	PEAK ALTAPINETTA-ET	TR TP	99	I	11HO12263	60	132	1436	290	99	2.99	1.3	92	-0.6	-2.6	0.22	95	0.00	-0.95	0.59	2718
133	WINSTAR DULUTH-ET	TR TC	99	I	29HO19082	37	73	337	162	94	2.78	5.1	84	2.3	-0.7	1.23	86	1.49	0.86	0.92	2718
134	PINE-TREE ADVISOR-ET	TR TC	99	NA	29HO18812	40	106	518	240	99	2.90	3.8	90	3.9	-1.4	0.07	91	0.38	0.21	-0.70	2716
135	BLUMENFELD FRAZLD BRASS-ET	TR TP	99	I	7HO14158	34	66	1086	171	99	2.60	4.8	89	0.7	-0.9	1.71	97	1.74	0.61	-0.07	2715
136	MR SPRING NIGHTHAWK-ET	TC TY	99	I	551HO03442	49	71	1480	222	99	2.75	3.6	96	0.5	-1.4	1.26	98	2.01	-0.38	-0.13	2714
137	ST GEN DW MACLEOD-ET	TC TY	99	I	551HO03741	38	82	1114	226	97	2.75	4.1	88	1.9	0.1	0.79	86	0.72	-0.21	-1.12	2714
138	PEAK ALTAFLADON-ET	TR TP	99	I	11HO12237	73	72	2008	234	98	3.05	3.3	90	0.0	-0.7	0.76	87	0.59	-0.94	0.52	2708
139	PEAK LUKAKU-ET	TR TP	99	I	97HO42106	33	74	1125	183	98	2.86	5.0	89	3.5	-0.4	1.24	92	1.11	1.20	-0.31	2708
140	PROGENESIS POPSTAR-ET	TR TP	99	I	200HO11196	47	75	1378	198	97	2.96	3.8	88	-0.3	0.1	1.05	94	1.45	0.16	0.79	2708

## Top 200 TPI Bulls December 2022

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HOLSTEIN ASSOCIATION USA, INC 2022

Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION						
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
141	PEAK ALTASTAFFORD-ET	TR TP	99	I	11HO12258	64	87	1554	278	96	3.03	1.8	88	0.2	-0.8	0.46	92	-0.20	0.19	-1.00	2707
142	BOMAZ ALTATOPSHOT-ET	TR TP	99	I	11HO11779	61	84	1458	215	99	2.79	5.4	99	1.8	-0.2	-0.32	98	-0.16	-1.05	0.19	2706
143	SALVO RDC-ET	RC TC	99	I	202HO01723	25	56	754	134	93	2.59	5.4	86	1.4	1.6	1.32	91	1.38	0.78	0.24	2705
144	SIEMERS CHARLEY MERRYGUY-ET	TR TC	99	I	551HO03530	67	75	2581	263	99	2.89	3.2	93	-1.0	-1.9	0.63	98	0.62	0.00	-1.90	2703
145	EDG DELTA-CHANCE-ET	TC TY	99	I	551HO03360	34	67	851	182	99	3.02	3.6	95	1.6	2.2	1.25	89	1.48	-0.17	-0.92	2701
146	FB 6860 SPECTRE PERK-ET	TR TC	99	I	29HO18843	48	111	956	259	99	2.95	1.6	89	-0.5	-3.6	1.46	96	0.67	1.35	-0.26	2701
147	SIEMERS DOC HANCOCK	TR TP	99	I	250HO14579	34	49	980	141	98	2.86	2.5	89	-3.4	-1.1	3.51	97	3.37	2.19	-0.32	2698
148	FOUR-CAL RODEO-ET	TR TP	99	I	1HO13443	46	68	2002	184	98	2.65	2.8	89	-1.8	0.3	1.08	92	1.65	-0.36	-0.50	2697
149	PARKHURST SAMARITAN-ET	TR TC	99	I	29HO18691	44	85	629	199	98	2.94	1.9	91	-0.7	0.1	1.24	96	0.74	0.44	-0.23	2697
150	SANDY-VALLEY MEGABUCKS-ET	TR TP	99	I	7HO14837	53	50	1138	188	93	2.97	4.6	83	1.9	0.6	1.05	86	1.14	0.28	0.58	2697
151	BLUMENFELD FRAZLD BASIC-ET	TR TP	99	I	14HO14129	35	49	1312	162	99	2.60	5.4	91	0.6	0.2	1.49	98	2.03	0.12	-0.49	2696
152	MR RUBICON DYNAMO-ET	TR TC	100	NA	551HO03416	48	59	1615	187	99	2.73	5.1	99	2.3	-1.6	1.15	99	1.59	0.76	0.21	2694
153	S-S-I JOSUPER ROCKETFIRE-ET	TR TP	99	I	7HO13454	73	52	2468	203	98	2.93	4.6	93	2.8	-0.4	0.51	94	0.79	-0.85	0.40	2693
154	PEAK LANGLEY-ET	TR TP	100	NA	97HO42071	58	105	1455	276	99	3.17	-0.7	91	-3.7	-3.0	1.48	95	1.14	0.25	0.31	2690
155	FULLTHROTTLE REASONS-ET	TR TP	99	I	566HO01291	33	73	577	191	96	2.84	3.8	87	3.1	-0.4	0.83	89	1.50	0.77	-0.73	2688
156	PEAK LEXELL-ET	TR TP	99	I	734HO00088	47	45	1142	150	92	2.83	2.9	83	-0.4	0.3	1.84	85	2.04	0.65	0.49	2687
157	HILMAR C ROCKFORD-ET	TR TC	99	I	551HO03684	44	81	1312	224	99	2.79	4.1	91	1.3	2.0	-0.23	95	-1.00	0.28	-1.57	2683
158	DENOVO 14242 KOKOMO-ET	TR TC	99	I	29HO18747	37	47	1307	138	98	2.72	4.3	89	0.9	1.2	1.67	95	1.49	0.93	0.54	2682
159	ST GEN RUBICON JONES-ET	TC TY	99	I	551HO03663	27	116	186	215	99	2.88	2.2	89	1.8	-1.2	1.34	96	0.08	0.22	1.70	2682
160	LADYS-MANOR BAND SEASAW-ET	TR TP	100	NA	566HO01293	33	48	661	127	95	2.60	5.7	87	3.7	1.8	0.54	90	1.15	0.80	0.41	2680
161	LARCREST CONTRAIRE-ET	TR TP	99	I	566HO01310	50	76	1259	215	91	2.94	0.3	83	-1.3	-0.9	1.25	88	1.17	1.22	0.30	2678
162	EDG RUBICON-ET	TR TC	100	NA	151HO00681	37	88	676	219	99	2.93	3.2	99	1.8	-2.4	1.14	99	0.90	1.80	0.36	2677
163	BUTZ-HILL SILVER WINGS-ET	TR TP	99	I	522HO03414	40	91	1026	206	99	2.87	1.3	94	-2.0	-0.7	1.14	96	1.15	0.11	0.65	2673
164	ST GEN MODESTY LAREDO-ET	TC TY	98	I	551HO03584	68	74	2204	251	99	3.23	1.1	91	-0.9	-2.3	1.10	94	1.09	0.82	-1.04	2670
165	TJR MODESTY RIDLEY-ET	TC TY	100	NA	551HO03636	28	61	373	159	97	2.92	4.5	89	3.4	0.8	0.80	93	1.77	0.72	-0.63	2668
166	EDG DELTA-BAYLOR-ET	TR TP	99	I	551HO03419	48	41	1387	178	98	2.81	3.6	93	1.9	1.5	1.09	94	1.66	-0.45	-1.22	2667
167	SWISSLANE STGEN FRZLED YOGI	TR TC	96	I	551HO03715	61	72	2356	252	99	2.88	4.8	89	0.7	-1.6	0.20	94	0.82	-0.75	-1.84	2665
168	MR EDG CYPRUS JAGUAR-ET	TC TY	99	I	551HO03509	54	80	1631	235	98	3.25	2.3	92	-0.3	-0.8	1.14	89	1.21	-0.11	-0.36	2663
169	PEAK ALTAEXHIBIT	TR TP	99	I	11HO12377	42	58	1255	171	95	2.63	5.5	86	2.3	-0.1	0.36	87	1.45	-0.46	0.04	2663
170	ST GEN DELTA REBEL-ET	TC TY	100	NA	551HO03632	38	64	760	199	95	3.15	3.1	85	0.5	-0.5	1.55	91	2.30	0.82	-0.60	2663
171	PINE-TREE DURABLE-ET	TR TC	99	I	29HO18790	51	55	866	206	93	2.96	3.6	84	1.8	0.6	0.79	90	0.58	0.70	-2.17	2661
172	BOMAZ MANITOBA-ET	TR TC	99	I	29HO19015	44	59	894	178	93	2.80	5.4	84	3.5	0.4	0.16	89	0.53	0.53	-0.34	2660
173	MR MCCUT DANTE 1407-ET	TC TY	99	I	203HO01513	67	73	2276	236	99	3.09	2.2	99	-1.7	-2.0	1.46	99	0.67	0.26	0.00	2657
174	SIEMERS HEALER-ET	TR TP	99	I	734HO00093	41	62	1189	154	91	3.03	2.4	83	-2.9	-0.3	2.66	87	1.87	0.92	0.68	2656
175	TTM ACHIEVER BOUNTY-ET	TR TP	99	I	1HO13862	27	86	749	208	98	2.87	3.4	89	2.2	-0.1	0.27	89	1.06	0.48	-0.50	2656

## Top 200 TPI Bulls December 2022

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Rank	Name		% RHA	NAAB	PRODUCTION					HEALTH					CONFORMATION						
					Pro	Fat	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC	FLC	BWC	TPI	
176	MAPLEHURST ACHV LOWBOY-ET	TR TP	99	I	1HO13857	46	73	590	211	99	2.70	3.5	90	3.6	-1.0	-0.17	90	0.59	-0.11	-0.09	2655
177	ENDCO CHARGER-ET	TR TP	99	I	534HO00075	49	89	1755	230	95	2.89	2.7	88	0.1	-3.0	0.89	86	0.90	0.45	-0.33	2653
178	FARNEAR JUMPSTART-ET	TC TY	99	I	551HO03972	42	35	905	182	89	2.96	5.8	80	2.5	2.1	0.66	86	0.58	1.32	-1.66	2652
179	MR DETOUR HIGH NOON-ET	TC TY	99	I	551HO03459	47	32	941	161	99	3.08	4.3	92	1.3	3.3	0.86	97	0.34	1.55	-0.85	2651
180	PEAK HOTLINE-ET	TY TV	100	NA	97HO41774	51	82	1035	211	99	3.05	-4.3	97	-7.7	-2.3	2.81	99	2.28	1.65	1.04	2651
181	MR PRE DIRECTOR 57512-ET	CD TY	100	NA	151HO01602	28	36	159	137	99	2.79	6.7	97	5.0	3.0	0.88	96	1.25	-0.49	-0.38	2649
182	FARNEAR STRYKER-ET	TC TY	99	I	551HO03976	36	45	734	167	95	2.85	4.2	83	0.5	2.2	1.04	86	1.91	-1.18	-0.76	2648
183	RUANN DELTA FORCE-70721	TC TY	99	I	100HO12048	42	60	1396	171	94	3.02	2.8	86	0.6	0.5	1.16	85	1.37	0.69	0.81	2647
184	DE-SU 13050 SPECTRE-ET	TR TC	99	I	29HO18208	47	115	1285	268	99	2.95	1.2	98	-0.4	-2.5	0.42	98	0.22	-0.30	-0.85	2645
185	PEAK NINJA-ET	TR TP	99	I	734HO00102	46	52	1012	166	92	2.91	-0.8	83	-3.4	-1.5	2.63	85	2.83	1.60	0.98	2645
186	SILVERRIDGE V EUGENIO-ET	TR TP	99	I	200HO10549	33	49	1456	120	99	2.78	3.3	97	-0.4	0.2	2.00	97	1.97	1.18	1.14	2645
187	ST GEN NOBLE ABBOTSFORD-ET	TC TY	99	I	551HO03753	42	55	1057	180	96	3.23	3.2	84	-0.1	1.6	1.05	89	1.72	-0.07	-0.35	2643
188	WILRA S-S-I DSIRE DECLAN-ET	TR TP	99	I	14HO14202	47	105	1330	272	99	2.97	2.7	87	1.3	-5.2	0.96	90	1.28	0.31	-1.55	2643
189	FARNEAR DELTA-BETA 241-ET	TR TP	100	NA	151HO03244	31	63	529	175	99	2.87	3.6	94	0.4	0.0	1.48	96	2.08	-0.18	-0.77	2642
190	BOMAZ JAGUAR JAIRE-ET	TR TP	98	I	7HO14555	55	67	1512	215	97	2.89	2.5	88	1.3	-1.7	0.56	91	0.74	0.50	0.02	2641
191	EDG BOB CYPRUS 15120-ET	TC TY	99	I	151HO00742	41	64	598	146	98	2.87	2.0	94	-0.3	2.0	1.29	95	1.20	-0.78	1.01	2641
192	PEAK ALTAOBLIGE-ET	TR TP	99	I	11HO12399	67	71	2253	238	95	3.02	3.0	87	-1.6	-1.4	0.35	85	0.89	-1.12	-0.55	2641
193	ROSYLANE-LLC SS MARVEL-ET	TR TC	99	I	551HO03444	38	43	1136	126	96	2.86	6.1	87	4.0	2.9	-0.20	87	0.32	0.86	0.23	2637
194	SAN-DAN NOBLE STOCKTON-ET	TC TY	99	I	551HO03793	36	67	1253	180	98	2.74	2.8	88	0.6	-0.6	1.31	85	1.67	-0.28	0.56	2637
195	MR FRAZZLED ARISTOCRAT-ET	TC TY	99	I	551HO03701	33	60	680	140	98	2.68	4.8	90	0.8	-0.1	1.22	92	1.59	-0.44	1.47	2636
196	FARNEAR-TBR-BH FALLON-ET	TC TY	100	NA	551HO03543	45	83	878	234	99	2.83	4.9	91	2.8	-0.2	-0.37	94	-0.61	-0.29	-1.78	2633
197	WEBB-VUE BRENNAN BABCOCK-ET	TR TP	99	I	7HO14740	41	56	1037	155	94	2.69	4.6	85	2.7	0.9	0.57	86	0.62	-0.82	0.87	2633
198	ABS CRIMSON-ET	TR TC	99	I	29HO18693	45	92	893	213	99	2.81	4.6	94	3.4	-1.3	-0.32	98	0.03	-0.71	0.28	2632
199	ABS BOYD-ET	TR TC	99	I	29HO18668	38	75	1070	202	97	2.82	3.4	89	0.4	0.8	0.41	92	0.40	-0.44	-1.14	2631
200	FARNEAR TBR DELTA-JOLT-ET	TR TC	99	I	551HO03443	21	58	131	138	99	2.82	5.9	96	2.2	1.8	0.84	96	0.92	0.66	-0.04	2630