

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - DECEMBER 2015 - Page 1

Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status

Name		% RHA	NAAB #	SIRE/MGS	PRODUCTION					HEALTH			CONFORMATION				TPI			
					PRO	FAT	MILK	FE	%R	SCS	PL %R	FI %R	PTAT %R	UDC	FLC	BSC				
SEAGULL-BAY SUPERSIRE-ET	TV TL	100-NA	7HO11351	ROBUST x PLANET	71	110	2359	219	99	2.92	7.0	86	1.4	91	1.60	98	0.68	0.55	0.68	2719G
SEAGULL-BAY HEADLINER-ET	TV TL	100-NA	7HO11419	ROBUST x PLANET	64	81	1928	176	98	3.21	4.7	85	1.3	85	2.35	96	1.48	1.83	1.34	2568G
MOUNTFIELD SSI DCY MOGUL-ET	TR TV	100-NA	7HO11314	DORCY x MARSH	43	90	1439	158	99	3.02	3.8	90	-2	96	2.57	99	2.62	2.64	0.63	2540G
SANDY-VALLEY STERLING-ET	TV TL	100-NA	7HO11585	ROBUST x PLANET	61	59	1989	144	97	3.11	6.3	84	1.8	82	1.97	94	0.98	1.69	1.04	2521G
NO-FLA ALTAEVERGLADE-ET	TV TL	100-NA	11HO11100	MASSEY x O MAN	50	77	880	169	97	2.75	3.8	85	3.3	83	0.49	91	0.28	1.65	0.97	2505G
S-S-I BOOKEM MORGAN-ET	TV TL	99-I	7HO11383	BOOKEM x SHOTTLE	43	52	1126	122	96	2.77	7.6	84	2.9	78	1.73	92	1.30	0.77	0.61	2501G
MR OCD ROBUST DONATELLO-ET	TV TL	100-NA	7HO11525	ROBUST x PLANET	50	75	1223	164	95	2.91	6.7	84	1.6	78	1.26	91	1.15	0.64	0.28	2496G
ROYLANE SOCRA ROBUST-ET	TR TV	100-NA	7HO10524	SOCRATES x O MAN	42	71	946	156	99	3.00	8.8	97	2.4	97	0.85	99	0.75	1.20	-0.76	2491G
DE-SU BKM MCCUTCHEN 1174-ET	TV TL	99-I	7HO11477	BOOKEM x SHOTTLE	34	52	920	88	99	2.86	3.6	87	.9	92	3.14	98	2.85	2.47	3.12	2486G
PINE-TREE ALTAOAK-ET	TV TL	99-I	11HO11202	NIAGRA x LEIF	52	51	1668	120	96	2.68	5.3	83	1.2	76	1.67	91	1.41	1.21	1.47	2465G
MINNIGAN-HILLS DAY-ET	TV TL	100-NA	1HO10458	SUPER x BOLTON	42	36	1495	89	99	2.66	5.8	87	3.3	93	1.68	98	1.89	0.70	0.93	2464G
SANDY-VALLEY SALOON-ET	TY	100-NA	200HO02792	ALTAIOTA x PLANET	72	71	2217	164	95	3.03	.5	82	.2	76	2.20	90	1.20	1.00	2.77	2456G
WELCOME SUPER PETRONE-ET	TR TV	100-NA	7HO11169	SUPER x ALTABAXTER	9	39	645	48	99	2.63	8.2	87	6.0	94	1.21	98	1.46	1.26	0.13	2428G
MR OCD ROBUST DANTE-ET	TV TL	100-NA	7HO11524	ROBUST x PLANET	52	70	1545	165	93	3.09	7.4	83	2.3	77	0.73	90	0.49	-0.02	-1.20	2422G
NO-FLA EMULATE 30309-ET	TV TL	99-I	7HO11546	BOOKEM x O MAN	43	67	1437	131	96	2.86	5.6	84	2.0	80	1.22	91	0.71	1.12	0.61	2418G
DE-SU RANSOM-ET	TV TL	99-I	147HO02431	ROBUST x RAMOS	29	45	96	110	93	2.80	9.1	82	3.1	76	0.87	89	0.57	1.87	0.41	2417G
OCD ROBUST SMOKIN JO-ET	TV TL	100-NA	7HO11523	ROBUST x PLANET	36	76	767	152	94	2.95	7.3	82	2.3	77	1.05	90	0.67	0.74	-0.53	2416G
SULLY HART MERIDIAN-ET	TR TY	100-NA	200HO02770	DOMAIN x PLANET	49	31	1989	74	98	2.99	3.5	85	1.4	85	2.93	98	2.74	0.77	2.62	2411G
MOUNTFIELD SSI DCY MIXER-ET	TV TL	100-NA	7HO11313	DORCY x MARSH	51	77	982	165	98	2.95	1.8	88	.2	91	1.81	97	1.34	1.72	1.46	2401G
KINGS-RANSOM R RACKET-ET	TV TL	100-NA	7HO11519	ROBUST x MANGO	45	52	797	142	92	2.95	7.4	83	1.4	74	0.76	87	0.91	1.52	-0.39	2400G
AMIGHETTI NUMERO UNO-ET	TV TL	100-NA	200HO07450	MAN-O-MAN x SHOTTLE	3	61	-329	74	99	2.57	4.6	89	3.8	91	2.30	99	2.24	1.57	1.56	2397G
MAPEL WOOD BREWMASTER-ET	TV TL	100-NA	250HO01009	GARRETT x SHOTTLE	29	83	797	130	94	2.73	3.3	83	2.0	78	1.64	87	0.86	1.56	1.33	2397G
LARCREST COURAGEOUS-ET	TV TL	99-I	7HO11749	ROBUST x PLANET	45	59	1294	130	92	2.96	7.0	82	1.0	74	1.34	85	0.79	1.37	0.62	2392G
DE-SU SHAM MOCHA 1322-ET	TV TL	99-I	7HO11741	SHAMROCK x RAMOS	16	39	654	60	93	2.68	8.9	83	4.7	75	1.24	86	1.13	0.59	0.57	2385G
MORNINGVIEW MARCELON CRI-ET	TV TL	99-NA	1HO10175	FREDDIE x SHOTTLE	36	58	1294	106	98	2.61	4.7	87	2.5	91	0.91	92	0.73	1.41	1.07	2385G
MISTY SPRINGS SUPERSONIC-ET	TR TY	100-NA	200HO02698	SUPER x SHOTTLE	39	69	1163	128	98	2.89	4.0	89	3.2	90	1.28	98	0.83	-0.87	1.12	2376G
CO-OP SEB RADISSON-ET	TR TV	100-NA	1HO10133	SEBASTIAN x SHARKY	29	33	1127	76	96	3.00	7.3	84	5.1	80	0.67	89	0.56	1.99	-0.33	2372G
ROYLANE BOXER PUNCH 4311-ET	TR TV	100-NA	7HO11207	BOXER x O MAN	38	52	464	117	98	2.95	3.1	87	3.9	91	1.46	97	0.75	1.67	2.02	2372G
DYMENTHOLM S SYMPATICO-ET	RC TV	100-NA	200HO02828	NLD 388965513 x PLANET	45	73	1773	135	96	2.89	4.2	81	-2	75	1.85	91	1.42	1.22	0.46	2371G
GOLD-N-OAKS ALTHEA-ET	BY TV	99-I	29HO16333	FREDDIE x RAMOS	36	37	1129	79	94	2.60	3.3	83	3.5	79	1.68	89	0.81	1.84	1.92	2371G
PINE-TREE ALTASKODA-ET	TV TL	99-I	11HO11201	NIAGRA x LEIF	35	35	943	91	92	2.62	6.5	83	.4	75	1.68	87	2.27	1.28	0.29	2365G
DE-SU ALTAMELHOR-ET	TV TL	100-NA	11HO11077	AL x O MAN	27	46	272	95	97	2.61	4.8	86	2.5	87	1.59	93	1.20	2.14	1.45	2364G
DE-SU DORCY MOONBOY 954-ET	TR TV	100-NA	7HO11279	DORCY x SHOTTLE	31	6	647	50	97	2.67	5.5	86	1.9	87	1.88	95	2.56	2.48	1.19	2362G
BUTZ-BUTLER SHOTGLASS-ET	TV TL	100-NA	7HO11573	NLD 388965513 x SHOTTLE	43	47	1779	101	96	2.68	5.8	83	1.0	77	1.17	93	1.23	1.54	0.40	2360G
DE-SU FREDDIE GALAXY-ET	TV TL	99-NA	1HO10490	FREDDIE x PLANET	37	44	928	97	99	2.70	5.0	85	1.5	90	1.46	97	1.48	1.02	1.58	2360G
SANDY-VALLEY SUTTON-ET	TV TL	100-NA	7HO11757	ROBUST x PLANET	59	40	1794	124	92	2.93	5.8	82	1.3	74	1.04	85	0.34	0.84	0.88	2360G
SEAGULL-BAY SARGEANT-ET	TV TL	99-NA	147HO02424	FREDDIE x PLANET	54	45	2163	109	94	2.86	3.8	82	1.8	79	1.20	86	0.78	1.01	0.93	2360G
MARBRI FACEBOOK-ET	TR TV	100-NA	200HO03753	MAN-O-MAN x AIRRAID	45	79	1159	146	99	2.94	1.0	92	3.2	92	1.33	98	0.79	0.20	2.06	2359G
DE-SU SMK DOLLARS 1309-ET	TV TL	100-NA	7HO11568	SHAMROCK x GOLDWYN	26	34	990	73	93	2.77	6.6	83	3.8	74	1.21	86	1.42	0.53	-0.14	2357G
DEN-K ALTAGREATEST	TV TL	100-NA	11HO10928	PLANET x BOLTON	63	51	2171	146	99	3.11	5.6	91	.3	93	1.17	95	1.11	0.15	-0.46	2356G

This is NOT the Official Holstein Association Top 100 TPI Bulls List. The official list has the same reliability criteria, but in addition has Semen Status ACTIVE or LIMITED only.

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - DECEMBER 2015 - Page 2

Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status

Name		% RHA	NAAB #	SIRE/MGS	PRODUCTION					HEALTH			CONFORMATION				TPI			
					PRO	FAT	MILK	FE	%R	SCS	PL %R	FI %R	PTAT %R	UDC	FLC	BSC				
MOUNTFIELD MSY MAURICE-ET	TR TV	100-NA	7HO11138	MASSEY x BOLIVER	34	66	540	142	99	2.69	4.7	86	2.4	91	0.27	96	0.77	0.60	-0.65	2355G
SEAGULL-BAY PLATINUM-ETS	TV TL	100-NA	7HO11618	NLD 388965513 x PLANET	53	46	1472	119	91	2.73	4.4	80	.0	73	2.01	85	1.03	1.49	1.75	2355G
S-S-I ROBUST BIGGIO-ET		100-NA	7HO11373	ROBUST x PLANET	47	67	865	154	93	2.91	5.8	83	.6	75	0.99	90	0.85	0.22	0.57	2351G
COYNE-FARMS JACEY CRI-ET	TV TL	99-I	1HO10788	ALTAIOTA x MASSEY	44	11	1138	72	93	2.57	4.2	82	3.2	73	1.08	86	1.25	1.16	1.09	2342G
DE-SU 521 BOOKEM-ET	TR TV	99-I	7HO10721	PLANET x RAMOS	50	29	1347	103	99	2.83	4.6	98	.9	98	1.66	99	1.12	1.15	0.84	2341G
NO-FLA HURST-ET	TV TL	100-NA	29HO16322	DORCY x O MAN	25	27	286	71	93	2.64	5.6	84	2.4	79	1.78	90	2.00	1.78	1.02	2340G
SHEEKNOFF ALTAVITTEK	TV TL	100-NA	11HO10909	PLANET x MANAGER	35	30	1484	72	97	2.58	6.5	86	2.8	87	1.39	92	0.56	0.44	0.30	2337G
S-S-I TWIST MONARCH-ET	TV TL	100-NA	7HO11386	TWIST x SHOTTLE	31	48	533	109	95	2.95	7.1	84	3.9	77	0.50	89	0.62	1.15	0.11	2335G
CHARTROISE SMURF	TY	100-NA	200HO02805	NLD 388965513 x PLANET	57	41	2057	108	90	2.83	3.8	80	-1.6	80	2.16	85	1.89	1.90	1.74	2333G
DE-SU JEROD 1223-ET	TV TL	100-NA	7HO11478	OBSERVER x MICHAEL	30	54	910	100	95	2.63	4.4	84	3.3	77	1.00	90	1.43	-0.46	0.74	2333G
MILLER-FF ALTAELLIOT-ET	TV TL	99-I	11HO11206	BOOKEM x SHOTTLE	19	22	404	50	91	2.70	6.5	83	3.3	74	1.77	88	1.47	1.80	0.90	2333G
CO-OP M-P DORCY ADIDAS-ET	TV TL	100-NA	1HO10471	DORCY x BOLIVER	42	18	1430	80	92	2.69	6.5	83	1.4	78	1.16	87	1.81	0.99	-0.38	2330G
HAMMER-CREEK FRED KRUNCH-ET	TR TV	99-NA	7HO11219	FREDDIE x GOLDWYN	32	15	1142	54	94	2.75	5.1	84	3.3	79	1.42	90	1.78	1.69	0.65	2330G
S-S-I ROBUST DAUGHTRY-ET	TV TL	100-NA	7HO11353	ROBUST x O MAN	26	57	401	111	92	2.91	7.7	83	2.9	77	0.57	89	0.91	0.69	0.25	2326G
DE-SU FRED MIDLAND 1260-ET	TV TL	99-NA	7HO11567	FREDDIE x PLANET	34	47	1174	97	92	2.88	5.7	82	3.1	72	0.69	86	1.13	0.59	0.40	2325G
SANDY-VALLEY BRANSON-ET	TV TL	99-I	7HO11488	OBSERVER x RAMOS	19	26	599	55	96	2.74	5.3	84	3.5	82	2.01	92	2.31	0.86	0.21	2323G
DE-SU ROBUST MANNER 1201-ET	TV TL	100-NA	7HO11562	ROBUST x PLANET	24	48	200	100	93	2.87	7.6	83	2.7	76	0.99	87	0.67	1.56	0.36	2322G
RONELEE DORCY DELIGENT-ET	BY TV	100-NA	147HO02426	DORCY x BOLIVER	41	12	1052	79	92	2.86	6.1	80	.6	76	1.97	87	2.47	1.82	-0.28	2322G
DE-SU 1280 RUPERT-ET	TV TL	100-NA	29HO16561	ROBUST x PLANET	32	47	757	97	91	2.77	6.7	82	1.7	73	1.37	85	0.85	1.21	1.16	2321G
SANDY-VALLEY TO TORPEDO-ET	TV TL	99-I	14HO06823	OBSERVER x RAMOS	20	36	255	83	91	2.65	8.9	84	2.6	76	1.31	89	1.78	0.61	-0.49	2320G
LADYS-MANOR ROB SHANDRO-ET	TV TL	100-NA	7HO11724	ROBUST x PLANET	32	64	643	132	92	2.97	7.4	83	.3	75	1.29	88	1.30	1.04	-0.49	2319G
MORNINGVIEW MAUI-ET	TV TL	100-NA	29HO16017	SUPER x SHOTTLE	39	34	1113	89	98	2.75	4.2	90	2.9	90	1.41	94	1.20	-0.12	1.07	2315G
DULET KICKBALL-ET	TR TY	100-NA	200HO06385	NIAGRA x ALTAARMSTEAD	39	51	1196	104	94	2.95	4.7	84	1.7	79	1.60	92	0.89	1.20	1.46	2310G
SEAGULL-BAY SHAW-ET	TV TL	99-NA	7HO11418	FREDDIE x PLANET	60	49	2381	112	95	3.09	1.9	83	.5	79	1.83	89	0.67	1.70	2.19	2309G
CO-OP RB OBSR INDY-ET	TV TL	99-I	1HO10644	OBSERVER x RAMOS	33	27	786	83	96	2.56	6.7	84	3.3	82	0.95	89	0.83	-0.38	0.13	2307G
WEIGELINE OBSERVE PUZZLE-ET	TV TL	99-I	1HO10648	OBSERVER x SHOTTLE	28	15	787	63	96	2.87	8.3	84	4.2	81	1.17	90	1.25	0.94	-0.60	2305G
MAINSTREAM MANIFOLD	TV TY	100-NA	200HO00402	O MAN x BW MARSHALL	53	68	1490	155	99	3.00	4.3	98	2.1	99	0.47	99	0.19	-0.78	0.39	2302G
GENERATIONS EPIC-ET	TV TL	100-NA	250HO01002	SUPER x ALTABAXTER	30	22	954	53	99	2.82	5.7	93	2.2	93	1.90	99	1.60	1.99	1.93	2301G
BENNER BENATAR-ET	B/R TV	100-NA	7HO11096	BOGART x ALTABAXTER	27	61	1084	94	96	2.87	3.6	86	2.7	83	1.25	93	1.22	0.72	1.23	2300G
WARGO-N-JD DEMPSEY	TV TL	99-NA	1HO10422	FREDDIE x PRONTO	25	64	1075	103	98	2.79	4.5	85	4.3	85	0.34	89	0.35	0.66	-0.19	2298G
LANGS-TWIN-B SSI RB COLA-ET	TV TL	100-NA	7HO11619	ROBUST x GOLDWYN	17	24	125	55	92	2.86	5.9	83	1.7	75	2.06	89	2.22	2.40	0.90	2290G
CANGEN PINKMAN-TW	TR	100-NA	200HO06320	SUPER x ALTABAXTER	18	35	758	57	92	2.80	6.1	82	2.6	73	1.40	86	2.02	0.90	0.61	2289G
DE-SU ALTASTACKED-ET	BY TV	99-I	11HO11151	OBSERVER x RAMOS	32	36	960	94	97	2.76	7.9	84	2.8	84	0.58	91	1.01	-0.15	-0.78	2289G
COYNE-FARMS DORCY-ET	BY TV	100-NA	29HO14142	BOLTON x BRET	36	24	1310	70	99	2.78	4.8	97	.1	98	2.08	99	2.52	1.91	0.51	2287G
DE-SU SEBASTIAN INDY 930	BY TV	99-I	7HO11287	SEBASTIAN x BOLIVER	24	43	264	92	91	2.97	5.0	82	2.8	76	1.34	85	1.20	1.34	0.45	2287G
UFM-DUBS SEELEY-ET	TV TL	100-NA	7HO11516	ROBUST x SHOTTLE	22	40	308	88	92	3.00	6.8	83	3.2	77	1.10	89	0.99	1.27	-0.21	2286G
ROYLANE MAYNARD-ET	TV TL	100-NA	29HO16470	BEACON x O MAN	52	56	1091	144	92	3.13	2.6	83	1.1	77	1.22	89	0.86	0.59	0.97	2285G
COMYN-PBCD SEATTLE-ET	TV TL	99-NA	29HO16209	FREDDIE x SHOTTLE	39	55	1056	122	94	2.72	3.6	84	1.4	80	0.42	88	0.62	1.51	0.13	2284G
PINE-TREE FREDDIE AIDAN-ET	TV TL	99-I	7HO11272	FREDDIE x RAMOS	12	38	295	62	95	2.76	6.2	84	4.0	81	0.99	90	1.27	1.57	0.10	2282G
DE-SU MEXICO 1063-ET	TV TL	99-I	7HO11472	BOOKEM x SHOTTLE	42	38	1062	103	93	2.82	4.1	84	.9	79	0.91	91	0.92	1.33	0.84	2279G

This is NOT the Official Holstein Association Top 100 TPI Bulls List. The official list has the same reliability criteria, but in addition has Semen Status ACTIVE or LIMITED only.

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - DECEMBER 2015 - Page 3

Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status

Name		% RHA	NAAB #	SIRE/MGS	PRODUCTION				HEALTH			CONFORMATION				TPI				
					PRO	FAT	MILK	FE %R	SCS	PL %R	FI %R	PTAT %R	UDC	FLC	BSC					
DE-SU D MAYFIELD 893-ET	TR TV	100-NA	7HO11283	DOMAIN x SHOTTLE	28	31	1300	54	99	2.86	4.4	88	2.5	94	1.87	99	1.57	0.54	1.41	2278G
SULLY HARTFORD MIRROR-ET	TY	100-NA	200HO06461	NLD 38896513 x PLANET	45	38	1314	94	91	2.81	4.1	80	-3	73	1.85	85	1.53	1.35	2.14	2278G
CO-OP BOSSIDE MASSEY-ET	TV TL	100-NA	1HO09527	MASCOL x BRET	40	44	746	116	99	2.65	2.4	98	1.0	98	0.87	99	1.36	1.08	0.50	2277G
SYRYCZUK OBSERVER ODIN	TV TY	100-NA	29HO16399	OBSERVER x SHOTTLE	30	56	1487	83	90	2.86	4.2	83	1.3	75	1.85	88	1.79	0.38	1.41	2277G
LEADERWIN MACHINE-ET	TY	100-NA	200HO03801	OBSERVER x JEEVES	34	35	1188	82	92	2.81	6.1	83	.9	74	1.63	87	1.83	0.59	0.48	2276G
BEN-AKERS ALTARAZZLE-ET	TV TL	99-I	11HO11238	RAVISH x PLANET	21	72	699	113	92	3.25	6.4	82	2.8	73	1.28	87	1.26	0.20	-0.08	2275G
DEER-BROOK NOBEL-ET	TV TL	100-NA	29HO16331	NIAGRA x O MAN	53	51	1481	132	93	2.83	3.9	83	-1.0	79	1.32	91	0.78	1.36	0.79	2275G
LADYS-MANOR PL SHAMROCK-ET	TR TV	100-NA	7HO10849	PLANET x SHOTTLE	18	40	1077	64	99	2.84	7.3	98	3.5	98	1.03	99	1.15	0.06	-0.64	2275G
DE-SU BK DISTRIBUTE 1150-ET	BY TV	99-I	7HO11476	BOOKEM x GOLDWYN	45	48	987	119	89	2.90	1.5	83	.2	74	1.93	87	1.42	0.74	1.39	2274G
LARS-ACRES FRANKINSTEIN-ET	TV TL	99-NA	14HO06790	FREDDIE x BOLIVER	30	51	465	118	91	2.87	5.7	83	1.0	76	0.67	90	1.26	1.39	-0.65	2274G
DE-SU ALTATERRA-ET	BY TV	100-NA	11HO11224	PAUL x PLANET	41	46	1158	117	90	2.93	6.0	80	2.5	73	0.70	87	0.32	-0.16	-0.45	2273G
WELCOME ATHENS	TV TL	100-NA	29HO16433	ROBUST x PLANET	48	55	1039	146	91	3.03	6.6	83	1.7	75	-0.06	88	-0.27	0.00	-0.47	2273G
ROYLANE FLEX-ET	TY	100-NA	200HO02790	BEACON x O MAN	29	38	304	101	94	2.82	6.3	85	3.5	80	0.49	92	0.22	1.50	-0.12	2272G
KINGS-RANSOM ERDMAN CRI-ET	TV TL	99-I	1HO09800	PLANET x RAMOS	35	61	1051	132	99	2.74	7.6	96	3.3	96	-0.40	94	-0.18	-1.08	-1.48	2271G
PINE-TREE FREDDIE WRIGHT-ET	TV TL	99-NA	7HO11123	FREDDIE x WIZARD	17	27	371	64	95	2.60	8.6	86	5.4	82	-0.17	92	0.07	0.02	-0.64	2271G
REGANCREST-KF OBSV BRONO-ET	TV TL	100-NA	29HO16405	OBSERVER x BOLTON	41	39	706	121	94	2.89	4.0	84	1.7	79	1.20	89	1.82	-0.25	-0.58	2271G
RI-VAL-RE RUSSELL DITTO-ET	TR TV	100-NA	7HO11020	RUSSELL x PONTIAC	14	42	-85	69	97	2.75	2.3	88	3.2	86	1.61	92	1.90	1.41	1.70	2269G
MR GOLDNOAKS MESSIAH-ET	TV TL	99-NA	29HO16200	FREDDIE x SHOTTLE	33	52	1273	88	94	2.86	.8	85	2.3	81	1.25	89	0.74	2.17	1.70	2268G
ROLINDA-GKM ADD-ET	TY	100-NA	200HO02820	LAUTHORITY x JEEVES	13	12	674	6	91	2.81	5.2	82	3.8	72	2.43	85	2.23	1.30	2.69	2268G
LARCREST CONTOUR-ETS	TV TL	99-I	29HO16438	BEACON x RAMOS	19	29	301	61	90	2.89	5.6	83	3.1	74	1.60	87	1.55	1.67	0.82	2267G
AIR-OSA-EXEL ALTAIRNET-ET	TV TL	100-NA	11HO10996	PLANET x SHOTTLE	33	9	855	57	99	2.75	5.1	92	4.0	96	0.96	98	1.00	0.33	0.56	2265G
DKR JAKARTA	TV TL	99-I	200HO07461	SUPER x SHOTTLE	29	42	1003	87	94	2.68	5.6	84	1.3	82	1.37	93	1.32	0.07	-0.04	2265G
OLSZEWSKI SMORE-ET	TR	99-NA	200HO06343	FREDDIE x SHOTTLE	24	42	900	71	96	2.91	3.6	86	4.3	82	0.65	92	0.83	1.04	0.98	2264G
VISION-GEN SHF AURELIAN-ET	TV TY	99-I	29HO16387	FREDDIE x JET STREAM	31	62	370	127	92	3.04	4.1	83	2.1	77	0.75	88	0.76	1.36	0.44	2264G
WA-DEL MYRLE-ET	TV TL	98-I	29HO14828	LEIF x ENCINO	35	69	978	126	96	2.64	3.8	87	.5	85	0.65	92	0.39	0.63	0.78	2263G
VAL-BISSON DOORMAN-ET	TV TL	99-I	200HO06480	BOOKEM x SHOTTLE	21	27	-49	56	93	2.58	3.0	81	-.1	73	3.26	90	2.23	1.96	2.96	2262G
EILDON-TWEED SUP ELECTION	TV TL	100-NA	14HO06971	SUPER x PLANET	27	21	904	61	93	2.57	7.7	82	2.9	74	0.94	88	0.84	0.19	-0.03	2260G
OCD BOOKEM LUCKY LOTTO-ET		99-I	7HO11736	BOOKEM x JET STREAM	48	71	1349	156	93	3.10	4.5	83	1.2	77	0.30	89	-0.06	0.76	-0.32	2260G
PINE-TREE SHELDREW 338-ET	TV TL	100-NA	7HO11537	NIAGRA x DIE-HARD	50	54	1599	129	92	2.86	4.2	83	.5	76	0.73	88	0.73	-0.34	0.44	2260G
RONELEE SUPER DEAN-ET	TV TL	100-NA	29HO16251	SUPER x TOYSTORY	39	9	1346	64	98	2.86	6.2	86	3.5	91	0.67	96	1.00	0.75	-0.21	2260G
DE-SU FREDDIE DENIM 646-ET	TV TL	99-NA	1HO10218	FREDDIE x WIZARD	29	56	430	119	99	2.66	6.3	92	4.1	96	-0.76	97	-0.51	0.11	-0.21	2259G
MR GOLDNOAKS MAGNUS-ET	TR TV	100-NA	7HO11103	MAN-O-MAN x SHOTTLE	50	65	574	153	99	2.94	-2.0	90	.7	94	1.54	98	1.18	0.66	2.35	2257G
S-S-I PAUL MEGA-ET		100-NA	7HO11388	PAUL x SHOTTLE	14	26	-210	68	94	2.74	8.8	83	4.3	76	0.72	87	0.80	0.65	-0.34	2257G
MR AUBREY OBSERVER ART-ET	TV TL	100-NA	7HO11572	OBSERVER x SHOTTLE	23	18	925	36	94	2.82	5.4	83	2.3	77	2.14	88	2.35	0.97	1.58	2256G
PINE-TREE ASPEN 223-ET	TV TL	99-I	7HO11271	DORCY x RAMOS	29	50	745	111	94	2.66	7.4	84	.7	81	0.66	91	0.97	0.41	-1.16	2254G
RI-VAL-RE FREDDIE LEBRON-TW	TV TL	99-NA	1HO10254	FREDDIE x SHOTTLE	22	17	1086	35	98	2.65	5.0	86	4.4	88	0.60	87	0.58	1.71	0.79	2254G
LARCREST CREATIVE-ETS	TR TV	99-NA	7HO11265	FREDDIE x SHOTTLE	24	57	350	101	93	2.77	2.4	85	1.7	80	0.88	91	1.48	1.33	1.24	2253G
TEEMAR OBSERVER ALBERT-ET		100-NA	7HO11503	OBSERVER x SHOTTLE	35	27	890	83	94	2.64	5.5	84	1.6	79	0.93	92	1.22	0.58	0.31	2253G
DYECREST ALTASKYCREST	TV TL	100-NA	11HO11228	ALTACALIBER x MAC	41	43	1295	100	93	2.83	2.6	82	.7	76	1.48	87	1.03	1.74	1.01	2252G
S-S-I ROBUST MANA-ET	TR TV	99-I	250HO11325	ROBUST x RAMOS	15	68	-318	126	90	2.92	7.7	80	2.6	71	0.17	85	0.38	0.86	-0.91	2252G

This is NOT the Official Holstein Association Top 100 TPI Bulls List. The official list has the same reliability criteria, but in addition has Semen Status ACTIVE or LIMITED only.

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - DECEMBER 2015 - Page 4

Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status

Name		% RHA	NAAB #	SIRE/MGS	PRODUCTION					HEALTH			CONFORMATION				TPI			
					PRO	FAT	MILK	FE	%R	SCS	PL %R	FI %R	PTAT %R	UDC	FLC	BSC				
DE-SU ROBUST UTAH 1157-ET	TV TL	100-NA	7HO11558	ROBUST x PLANET	14	55	-405	94	93	3.10	6.8	83	2.6	77	1.38	89	1.18	1.25	1.38	2251G
LARCREST CYCLONE-ETS	TV TL	99-I	29HO16452	OBSERVER x RAMOS	23	51	199	101	92	2.80	3.8	83	2.7	77	1.37	90	1.27	0.96	0.49	2251G
RC-NC-BTA PARISH	TV TL	100-NA	29HO16385	TWIST x PLANET	52	73	1505	156	91	2.80	3.0	82	.5	73	0.47	88	-0.57	0.45	0.68	2251G
B-HIDDENHILLS BENZO 1523-ET	TV TL	100-NA	7HO11714	TEMPO x BUCKEYE	35	28	1399	70	92	2.60	4.9	82	-.2	75	1.88	87	1.88	0.82	0.51	2250G
SANDY-VALLEY STARRING-ET	TY	100-NA	200HO02793	ALTAIOTA x PLANET	62	41	2125	113	92	2.97	1.8	83	1.0	76	1.27	90	-0.06	0.59	2.23	2248G
CO-VISTA GERARD ARMANI-ET	TV TL	100-NA	29HO16472	GERARD x ALTABAXTER	45	37	1260	105	90	3.16	4.5	83	1.8	74	0.82	86	0.76	1.55	0.63	2246G
FARNEAR-TBR-BH CASHCOIN-ET	TV TL	100-NA	534HO00010	OBSERVER x GOLDWYN	23	36	647	80	92	2.78	5.3	81	2.4	74	1.31	85	1.93	-0.07	-0.55	2246G
GIL-GAR ALTASUSTAIN-ET	TV TL	100-NA	11HO11063	DOMAIN x SHOTTLE	33	29	1371	65	98	2.88	4.0	87	2.9	90	0.99	94	0.99	0.48	0.87	2245G
UFM-DUBS-I SPIKE-ET	TY	100-NA	200HO06416	OBSERVER x SHOTTLE	27	53	641	98	93	2.74	3.5	84	2.3	79	1.44	91	1.58	-0.58	0.81	2245G
OPSAL ALTAFAIRWAY-ET	TV TL	100-NA	11HO10908	PLANET x O MAN	49	66	1469	149	99	2.79	3.6	92	.1	93	0.42	93	0.92	-1.42	-0.28	2244G
SANDY-VALLEY ALTASILVER-ET	TV TL	100-NA	11HO11192	ALTAIOTA x PLANET	50	71	1604	138	92	3.00	1.5	81	.8	77	0.88	91	0.32	0.08	1.80	2244G
LARCREST CONFIRM-ET	TV TL	99-I	7HO11578	FREDDIE x PLANET	27	40	803	78	93	2.84	5.3	83	2.8	77	0.75	90	0.23	1.82	1.02	2243G
PINE-TREE FREDDIE ARNETT-ET	TV TL	99-I	7HO11275	FREDDIE x RAMOS	18	36	486	67	95	2.63	5.8	86	2.3	82	0.94	93	0.96	1.30	0.23	2243G
SANDY-VALLEY BUFF-ET	TV TY	99-NA	29HO16396	FREDDIE x ALTAALLY	24	34	767	67	91	3.08	4.6	82	4.0	74	0.73	88	0.89	1.75	0.72	2243G
SPRINGWAY CELEBRATE-ET	TR TY	100-NA	200HO02714	MAN-O-MAN x BOLIVER	39	19	854	80	95	2.59	2.6	86	.9	83	1.62	93	1.43	0.98	0.75	2243G
JNP-ATH-MOR OBS NAVY-ET	TV TL	99-I	14HO06816	OBSERVER x SHOTTLE	38	54	1932	93	96	2.86	3.5	85	.9	83	1.23	94	1.71	-0.61	0.66	2242G
LADYS-MANOR MAN-O-SHAN-ET	TV TL	100-NA	7HO11547	MAN-O-MAN x PLANET	34	44	909	101	98	3.03	4.1	85	.9	83	1.73	96	1.74	0.71	0.25	2242G
DE-SU ALTAJACKMAN-ET	TV TL	99-I	11HO11274	NLD 388965513 x MASSEY	36	19	682	76	92	2.59	4.8	80	1.4	72	1.05	86	1.45	1.87	1.08	2241G
LATUCH TRIGGER TREK	BY TV	99-I	14HO06904	TRIGGER x RAMOS	-6	30	-535	42	91	2.61	9.1	83	4.9	75	0.63	88	1.21	1.30	-0.89	2241G
CURR-VALE DESTINED-ET	RC TV	100-NA	200HO03795	OBSERVER x GOLDWYN	28	15	423	67	95	2.75	5.2	82	2.6	75	1.57	91	1.72	0.22	0.15	2240G
OAKFIELD BENELLI-ET	TY TD	100-NA	200HO03770	MAN-O-MAN x ENCINO	39	40	927	98	94	2.97	2.5	86	2.0	80	1.29	92	0.95	1.34	1.42	2239G
ROSYLANE-LLC ALTABARNEY	TV TL	99-I	11HO11231	FREDDIE x PLANET	35	50	787	116	95	2.89	5.8	83	2.4	78	0.12	89	0.14	0.25	-0.14	2238G
DE-SU BOOKEM FOSTER 1139-ET	TV TL	99-I	7HO11556	BOOKEM x O MAN	58	58	1470	152	93	3.00	2.4	84	-.3	79	0.59	90	0.21	0.87	0.65	2237G
KINGS-RANSOM S FOWLER-ET	TV TL	100-NA	7HO11229	SUPER x SHOTTLE	23	36	332	73	94	2.77	4.8	84	2.2	79	1.60	88	1.24	1.15	1.44	2236G
LARCREST CRUX-ETS	TV TL	99-I	29HO16443	BEACON x RAMOS	26	23	602	66	91	2.64	6.0	83	2.2	75	0.88	86	1.28	1.01	0.32	2236G
ALTACEASAR	TR TV	99-I	11HO10837	PLANET x SHOTTLE	43	40	803	109	98	2.76	3.5	91	1.5	92	0.92	93	0.46	0.75	1.46	2235G
STANTONS DEFINE-ET	TV TL	100-NA	200HO02776	SUPER x SHOTTLE	30	17	940	60	95	2.68	5.8	84	3.2	82	0.57	94	1.18	-0.04	0.21	2235G
KINGS-RANSOM R DAMON-ET	TV TL	99-I	14HO06931	ROBUST x RAMOS	32	54	334	124	90	3.03	5.4	79	2.3	71	0.16	85	0.37	0.46	0.07	2234G
B-HIDDENHILLS PLAN 1023-ET	TR TV	100-NA	7HO10690	PLANET x O MAN	32	7	785	59	99	2.78	7.7	94	3.7	95	0.60	96	1.24	-0.07	-0.09	2233G
BADGER-BLUFF FANNY FREDDIE	TV TL	99-NA	1HO08784	O MAN x DIE-HARD	26	30	831	70	99	2.94	4.8	99	4.0	99	0.40	99	0.56	1.57	0.08	2233G
SANDY-VALLEY SPUR-ET		100-NA	200HO02795	ROBUST x PLANET	54	44	1658	124	90	3.20	4.6	79	1.3	71	0.91	85	-0.06	0.59	0.50	2233G
PINE-TREE ALTAFLINT-ET	TV TL	99-NA	11HO11218	FREDDIE x PLANET	23	29	636	64	90	2.90	6.5	83	3.3	72	1.03	88	1.06	0.58	0.57	2231G
RMW DORCY AMBROSE-ET	TR BY	100-NA	7HO11072	DORCY x GOLDWYN	14	35	621	48	97	2.55	2.4	87	2.5	86	1.47	92	2.44	1.21	1.10	2231G
ROYLANE CHAMP VAL 4246-ET	TV TL	100-NA	14HO06677	CHAMP x O MAN	34	65	843	135	98	2.89	5.2	87	1.8	87	0.18	95	0.42	-0.59	-0.87	2231G
BOMAZ ALTAPHONIC-ET	TV TL	100-NA	11HO10997	MAN-O-MAN x NIFTY	42	76	827	152	99	2.79	.3	91	1.4	94	0.18	91	-0.34	1.39	1.00	2230G
LARS-ACRES NIA TAILLIGHT-ET	TV TL	100-NA	7HO11591	NIAGRA x SHOTTLE	45	39	1793	86	93	2.84	3.6	84	.2	77	1.71	89	0.72	0.71	1.78	2230G
PINE-TREE JEEVES GALLON-ET	TV TL	100-NA	29HO14684	JEEVES x GOLDWYN	35	35	1515	80	98	2.85	5.1	93	4.1	91	0.36	96	0.28	-0.45	-0.09	2229G
RONELEE SSI O DANNYBOY-ET	TV TL	100-NA	7HO11364	OBSERVER x OUTSIDE	32	36	1236	79	93	2.76	7.1	84	1.6	78	0.79	90	1.13	-0.37	0.21	2229G
RICKLAND PREDESTINE 669-ET	TV TL	100-NA	7HO11763	SHAMROCK x GOLDWYN	7	43	-501	81	95	2.79	7.9	84	3.0	77	0.60	89	0.80	1.14	-0.44	2228G
ROSYLANE-LLC ALTALEO-ET	BY TV	99-I	11HO11115	ALTAMETEOR x NIFTY	36	45	669	110	98	2.91	4.5	84	1.1	86	1.33	94	0.75	0.67	0.57	2227G

This is NOT the Official Holstein Association Top 100 TPI Bulls List. The official list has the same reliability criteria, but in addition has Semen Status ACTIVE or LIMITED only.

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - DECEMBER 2015 - Page 5

Bulls must have a Minimum of 80% Traditional U.S. Reliability OR 85% Genomic Reliability for Production and Type. No Requirement for Semen Status

Name		% RHA	NAAB #	SIRE/MGS	PRODUCTION				HEALTH			CONFORMATION				TPI				
					PRO	FAT	MILK	FE %R	SCS	PL %R	FI %R	PTAT %R	UDC	FLC	BSC					
SULLY ALTAMETEOR-ET	TV TL	100-NA	11HO10661	PLANET x SHOTTLE	29	22	1133	56	99	3.06	5.0	96	1.7	97	1.92	97	2.11	0.43	0.56	2227G
BOMAZ ALTAGAMEPLAN-ET	TV TL	99-NA	11HO11210	FREDDIE x PLANET	41	23	1492	82	93	2.98	5.7	83	3.4	75	0.27	89	0.50	0.23	-0.46	2224G
DE-SU BKM ACAPULCO 1186-ET	TV TL	99-I	7HO11561	BOOKEM x SHOTTLE	37	33	1269	85	92	2.90	4.6	83	1.4	76	1.30	88	0.99	0.33	0.30	2222G
LARCREST CASUAL-ET	TV TL	99-I	29HO16263	SUPER x RAMOS	11	21	-54	40	97	2.55	5.5	85	1.9	85	1.82	92	1.62	1.93	1.33	2222G
MORNINGVIEW ALTAMOXIE-ET	TV TL	99-NA	11HO11030	FREDDIE x SHOTTLE	29	51	1171	85	93	2.79	3.9	85	2.2	79	0.66	90	0.25	1.08	1.15	2221G
ROSYLANE-LLC ALTABOWIE	TV TL	99-I	11HO11116	BOWSER x RAMOS	29	-17	1060	14	96	3.10	6.9	83	5.2	82	0.89	90	1.23	1.09	0.40	2221G
SANDY-VALLEY COMMANDO-ET	TV TL	100-NA	29HO16334	MAN-O-MAN x MAC	22	38	253	80	91	2.72	2.8	83	3.2	76	1.11	89	0.95	0.72	0.83	2221G
REGANCREST DRCY PIPER-ET	TV TL	100-NA	29HO16152	DORCY x SHOTTLE	22	25	839	49	94	2.68	5.3	85	-.7	81	1.98	91	2.49	2.32	0.93	2220G
SANDY-VALLEY TREGAR-ET	TV TL	99-I	29HO16447	GERARD x RAMOS	19	8	-64	46	92	2.85	7.4	83	2.5	75	1.33	87	1.88	1.37	0.87	2219G
DE-SU DORCY MAYOR 950-ET	TV TL	100-NA	7HO11288	DORCY x SHOTTLE	22	15	801	31	94	2.61	3.8	85	.8	81	2.11	91	2.25	1.90	2.00	2218G
AMERICAN-PRIDE PENTAGON-ET		100-NA	200HO02804	NLD 388965513 x SHOTTLE	27	30	852	58	91	2.71	2.1	82	.3	74	2.31	89	1.87	2.27	1.98	2216G
RONELEE DUBLIN-ET	TV TL	100-NA	29HO16378	OBSERVER x OUTSIDE	19	21	615	52	95	2.59	8.1	85	3.5	82	0.71	91	1.13	-0.70	-0.19	2216G
BOMAZ ALTAPHD-ET	TV TL	99-I	11HO11186	OBSERVER x SHOTTLE	27	38	589	93	89	2.82	6.7	83	2.2	73	0.60	87	1.23	-0.21	-0.60	2214G
COYNE-MCGARR OBSRVER BEN-ET	TV TL	100-NA	7HO11528	OBSERVER x SHOTTLE	24	41	321	75	95	2.76	2.1	84	.9	78	2.33	91	2.45	0.35	2.22	2214G
GEPQUETTE RECORD-ET	TR TV	100-NA	200HO06388	BEACON x BOLTON	37	61	1502	109	92	2.85	3.1	84	.9	77	1.03	91	0.40	0.89	0.70	2214G
FURNACE-HILL SUPER ZIGGY-ET	TR TV	100-NA	7HO11150	SUPER x SHOTTLE	33	-5	749	46	98	2.75	5.6	88	6.0	90	0.35	95	0.43	-0.69	0.22	2213G
S-S-I OBSERVER MAYS-ET	TV TL	100-NA	7HO11372	OBSERVER x SHOTTLE	24	17	583	55	94	2.87	6.4	84	4.2	79	0.69	91	1.77	-0.82	0.39	2213G
GLEN-TOCTIN SUPER LARGE-ET	TV TL	100-NA	29HO16090	SUPER x SHOTTLE	16	0	364	14	99	2.58	4.1	92	2.3	95	2.16	98	2.31	1.79	1.57	2212G
HFP ALTAKING	TY	99-I	11HO11051	SUPER x BUCKEYE	29	13	1193	40	92	2.72	4.5	81	1.4	77	1.49	89	1.77	1.27	1.16	2211G
JUNIPER PLANET DIESEL-ET	TV TL	100-NA	7HO10852	PLANET x O MAN	38	47	727	124	98	2.63	6.0	89	1.6	91	-0.07	94	0.01	-0.04	-0.58	2210G
MATCREST BOOK CASTEL-ETS	TR TV	99-I	7HO11589	BOOKEM x SHOTTLE	14	33	-143	71	93	2.66	5.8	82	1.5	78	1.33	92	1.53	1.06	0.15	2207G
OPNAL NIAGRA FANG-ET	TV TL	100-NA	7HO11258	NIAGRA x O MAN	58	56	1827	147	94	2.76	2.9	85	-1.4	81	0.74	92	0.42	-0.28	-0.14	2207G
SANDY-VALLEY MOWRY	TV TL	99-I	7HO11584	ROBUST x STOL JOC	19	80	145	133	93	2.86	5.2	83	1.2	76	0.72	89	0.36	0.00	-0.27	2207G
RICHMOND-FD O PRESIDIUM-ET	BY TV	99-I	14HO06434	PRENTICE x O MAN	13	52	113	84	94	2.76	5.3	87	1.8	82	0.97	93	1.29	1.09	0.23	2206G
S-S-I TONIC MAYTER-ET		99-I	7HO11385	ALTATONIC x SOCRATES	21	32	233	70	92	2.80	5.6	83	2.6	75	1.00	88	0.74	1.45	0.98	2206G
S-S-I TRIGGER TOPPS-ET		100-NA	7HO11376	TRIGGER x PLANET	22	26	703	62	91	2.67	7.1	82	2.0	74	0.95	85	0.83	0.85	-0.14	2205G
STRAUSSDALE G ELECTRIFY-ET	TV TL	100-NA	29HO16269	GERARD x PLANET	30	31	478	84	93	2.92	4.4	84	2.3	79	1.20	89	1.42	0.06	0.78	2205G
TWIN-B-DAIRY BUCKWHEAT-ET	TR TY	99-I	200HO02798	BOOKEM x O MAN	43	43	1226	113	93	2.83	4.2	83	.7	78	0.60	90	-0.18	1.31	0.07	2205G
DE-SU PHOENIX 588-ET	TR TV	100-NA	7HO10879	PLANET x BOLTON	46	47	1147	124	91	2.87	3.6	82	-.5	80	1.03	86	1.34	-0.23	0.28	2204G
PINE-TREE MELODY SOUP-ET		100-NA	36HO00404	SUPER x OUTSIDE	7	45	-353	72	92	2.82	6.4	84	3.4	77	1.29	88	1.13	0.18	0.54	2204G
REGANCREST ALTAIOTA-ET	TV TL	100-NA	11HO09647	O MAN x ITO	33	54	514	108	99	3.00	.1	99	1.6	99	1.34	99	1.13	0.92	1.85	2204G
SECHILLVIEW GILBY	TV TL	100-NA	566HO00588	GARRETT x SHOTTLE	36	18	1408	59	93	2.74	4.5	84	1.9	78	0.78	91	0.66	1.19	0.72	2204G
RONELEE SSI O DORITO-ET	TV TL	100-NA	7HO11394	OBSERVER x OUTSIDE	26	10	1110	33	93	2.72	8.0	84	1.9	80	1.36	92	1.32	0.14	1.03	2202G
BOMAZ ALTATITLEIST-ET	TV TL	100-NA	11HO11107	OBSERVER x SHOTTLE	29	44	1086	96	96	2.76	5.1	83	1.9	82	0.63	94	1.04	0.04	-1.17	2201G
DE-SU 926 TICTOC-ET	TV TL	100-NA	29HO16199	TRIGGER x BOLTON	41	34	1471	80	93	2.75	2.9	85	-.3	79	1.82	90	1.30	0.79	1.62	2200G
DE-SU MCDANIEL 1068-ET	TV TL	99-I	250HO11473	BOOKEM x SHOTTLE	25	18	387	59	90	2.82	4.1	80	1.5	75	1.32	85	1.68	1.35	0.88	2199G
DE-SU OBSERVER-ET	TR TV	100-NA	7HO10606	PLANET x O MAN	29	19	1023	62	99	2.84	5.7	99	2.0	99	1.51	99	2.15	-0.59	-0.30	2199G
CO-OP FREDDIE SOBIESKI	TV TL	99-NA	1HO09853	FREDDIE x LYNCH	25	41	380	85	99	2.97	2.6	93	4.5	95	0.49	94	0.02	0.52	1.04	2197G
PENN-ENGLAND ISADOR	TV TL	99-I	29HO16319	SUPER x MAC	30	27	805	82	94	2.91	5.5	84	2.3	79	0.76	90	1.12	-0.16	-0.75	2197G
HENDEL ALTABERING-ET	TV TL	99-I	11HO11080	BOWSER x SHOTTLE	38	12	957	64	98	3.03	2.7	85	2.0	88	1.54	93	1.53	1.61	1.28	2196G
SANDY-VALLEY THOR-ET	TV TL	99-I	7HO11487	OBSERVER x RAMOS	19	30	885	52	94	2.81	6.5	84	1.2	80	1.83	91	2.07	0.49	0.36	2196G

This is NOT the Official Holstein Association Top 100 TPI Bulls List. The official list has the same reliability criteria, but in addition has Semen Status ACTIVE or LIMITED only.