

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - AUGUST 2017 - 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	LIV	FI	PTAT %R	UDC	FLC	BWC				
MR MOGUL DELTA 1427-ET	TC TV	100-NA	203HO01468	MOGUL x ROBUST	57	97	1817	219	98	2.79	8.0	86	0.7	3.8	1.95	95	2.51	1.41-1.42	2849G	
BACON-HILL MONTROSS-ET	TR TP	100-NA	7HO12165	MOGUL x BOLTON	91	87	3074	237	99	3.05	5.2	87	-1.2	0.9	2.09	98	2.48	1.42-0.42	2773G	
UECKER SUPERSIRE JOSUPER-ET	TC TV	99-I	29HO17553	SUPERSIRE x BEACON	91	104	3129	238	98	2.92	5.9	86	1.1	0.9	1.21	94	0.83-0.02	1.10	2728G	
EDG RUBICON-ET	TC TV	100-NA	151HO00681	MOGUL x ROBUST	48	107	1243	197	96	2.91	6.9	85	0.8	2.6	1.75	93	1.44	2.30	0.83	2723G
WOODCREST MOGUL YODER-ET	TR TP	100-NA	7HO12266	MOGUL x PLANET	49	101	1235	209	98	2.98	6.7	87	0.5	2.3	1.82	95	2.13	1.64-0.57	2710G	
HAR-DALE-ACRES-JP ALTACR-ET	TR TP	100-NA	11HO11434	MOGUL x TRIGGER	39	88	631	182	98	2.92	6.2	86	1.6	3.0	1.64	91	2.71	2.00-0.38	2670G	
CO-OP UPD HUNTER SALVINO	TV TL	100-NA	1HO11022	HUNTER x MASSEY	71	105	1618	246	99	3.00	2.9	87	-3.4	2.5	1.28	94	1.51-0.10	-0.31	2649G	
SEAGULL-BAY SILVER-ET	TC TV	100-NA	29HO17573	MOGUL x SNOWMAN	60	91	1572	200	96	2.85	4.7	86	-1.8	-0.3	2.33	93	2.60	2.21	0.29	2637G
WESTENRADE ALTASPRING	TR TP	99-I	11HO11437	MOGUL x GERARD	56	72	1406	163	95	2.97	4.3	84	-1.6	2.2	2.30	86	2.78	1.79	0.98	2622G
CO-OP DAY TUFFENUFF-ET	TV TL	99-I	1HO11426	DAY x PLANET	73	75	2521	196	98	2.69	5.6	87	1.8	0.5	1.62	90	1.92-0.04	-0.39	2602G	
SEAGULL-BAY SUPERSIRE-ET	TR TP	100-NA	7HO11351	ROBUST x PLANET	66	103	2101	220	99	2.82	6.8	98	1.8	0.5	0.96	99	0.68	0.02	0.09	2600G
BACON-HILL MONTY-ET	TR TP	100-NA	14HO07347	MOGUL x BOLTON	60	94	2085	212	93	2.89	4.5	86	-1.4	-0.1	1.55	91	2.17	1.73-1.14	2591G	
DE-SU 11228 TOPSY-ET	TC TV	99-I	29HO16667	BOOKEM x WATSON	62	81	1387	186	99	2.69	5.0	86	-0.9	-0.2	1.97	94	1.59	1.51	1.01	2579G
MYR-MATT MOGUL PLATINUM	TV TL	100-NA	1HO11096	MOGUL x SUPER	49	72	1453	160	96	2.77	5.9	85	-0.3	2.7	1.95	90	1.62	1.69	0.08	2579G
ROYLANE BOOKEM BOB 5170-ET	TR TP	99-I	7HO11752	BOOKEM x O MAN	56	73	735	181	98	3.00	4.4	90	-0.1	2.7	1.89	95	1.80	0.91	0.66	2578G
S-S-I MOGUL REFLECTOR	TR TP	99-I	7HO12105	MOGUL x SUPER	68	45	1598	145	99	2.78	6.6	87	0.9	2.5	1.83	95	1.43	1.48	1.20	2572G
CO-OP ROBUST CABRIOLET-ET	TC TV	99-I	1HO10396	ROBUST x PLANET	49	97	914	222	99	2.93	7.1	96	3.5	2.2	0.13	98	0.70	0.21-1.57	2570G	
UNITED-PRIDE MOGUL MAGNATE	TC TV	98-I	1HO11097	MOGUL x FREDDIE	59	64	1812	152	95	3.03	5.0	83	-1.4	1.6	2.12	85	2.43	2.07	0.90	2567G
VIEW-HOME MONTEREY-ET	TC TV	99-I	29HO16955	MCCUTCHEN x ROBUST	38	52	773	119	97	2.95	6.1	86	0.9	1.8	3.34	96	2.81	2.18	0.59	2561G
COASTAL-VIEW MOOKIE-ET	TR TP	100-NA	14HO07328	MOGUL x OBSERVER	30	102	177	186	96	2.96	5.2	85	0.4	1.8	1.59	92	2.21	1.28-0.03	2559G	
LONE-OAK-ACRES ALTAROBLE-ET	TR TP	100-NA	11HO11380	MOGUL x OBSERVER	34	40	1021	97	97	2.71	6.5	86	0.2	3.7	2.77	94	3.13	1.92	0.10	2559G
S-S-I SNOWMAN MAYFLOWER-ET	TR TP	100-NA	7HO11621	SNOWMAN x SOCRATES	81	58	2613	180	99	2.74	5.4	90	4.0	1.4	0.95	97	0.72	1.03	0.28	2559G
DE-SU EPIC MIDNIGHT-ET	TR TP	100-NA	7HO11946	EPIC x SOCRATES	44	56	986	137	99	2.72	8.6	88	4.3	4.3	0.72	95	1.49	0.65	0.15	2556G
WINNING-WAY MOONRAKER	TC TV	100-NA	29HO16962	MOGUL x ALTABAXTER	44	79	1250	173	96	3.03	6.0	85	-0.2	1.5	1.95	90	2.33	1.63-0.75	2553G	
MR OCD ROBUST DONATELLO-ET	TR TP	100-NA	7HO11525	ROBUST x PLANET	48	73	1161	180	99	2.86	5.5	93	2.5	3.0	1.05	97	1.19	0.96-1.15	2551G	
EDG SKATEBOARD-ET	TR TP	100-NA	200HO06530	NUMERO UNO x RUSSELL	23	101	242	166	95	2.56	4.3	86	1.2	2.8	1.70	93	1.77	0.58	0.29	2549G
REGANCREST BRIGHAM-ET	TR TP	100-NA	200HO10079	NUMERO UNO x DORCY	19	47	655	76	92	2.74	7.5	80	1.1	4.7	2.83	87	2.96	1.74	0.72	2549G
DE-SU ROOKIE 11057-ET	TR TP	99-I	7HO11708	BOOKEM x BRONCO	44	82	1070	174	95	2.71	6.0	87	1.6	1.4	1.76	92	1.46	1.09-0.26	2548G	
SANDY-VALLEY SALOON-ET	TR TP	100-NA	200HO02792	ALTAIOTA x PLANET	76	90	2300	200	98	3.01	1.1	92	-1.2	-0.3	2.72	97	1.23	1.01	1.67	2546G
S-S-I BOOKEM MORGAN-ET	TR TP	99-I	7HO11383	BOOKEM x SHOTTLE	54	64	1577	154	99	2.81	6.6	93	2.2	2.7	1.51	97	1.20	1.01	0.33	2545G
RICHMOND-FD EL BOMBERO-ET	TR TP	100-NA	200HO03950	NUMERO UNO x SUPER	35	62	1505	108	99	2.52	7.8	86	0.7	3.3	1.91	98	1.94	0.30	0.95	2543G
S-S-I SUPERSIRE BALLGAME-ET	TR TP	100-NA	7HO11986	SUPERSIRE x ALTAROSS	72	93	2256	218	92	2.74	6.4	85	1.3	0.5	1.06	87	0.00-0.90	-0.05	2543G	
SANDY-VALLEY GRAM-ET	TR TP	100-NA	200HO09137	MOGUL x ALTAIOTA	35	84	998	160	92	3.02	4.6	85	0.0	2.3	2.23	89	2.00	2.18-0.25	2536G	
LARCREST COMMANDER-ET	TC TV	99-I	29HO16909	MOGUL x OBSERVER	51	80	1204	176	95	2.90	3.5	85	-2.0	1.0	2.46	93	2.36	1.16	0.30	2530G
KINGS-RANSOM R RACKET-ET	TR TP	100-NA	7HO11519	ROBUST x MANGO	52	69	981	175	95	2.94	6.1	87	5.3	1.5	0.83	92	1.25	1.58-0.32	2524G	
CO-OP DAY TWINKIE-ET	TC TV	99-I	1HO11425	DAY x PLANET	58	73	2226	175	97	2.75	6.4	87	2.1	2.3	1.14	91	1.59-0.56	-0.78	2523G	
EILDON-TWEED CHOPS-ET	TR TP	100-NA	14HO07337	MOGUL x MAN-O-MAN	41	71	822	159	92	3.10	2.7	85	-2.4	2.0	2.45	89	2.97	2.28	-0.31	2523G
CO-OP MOGUL LAWMAN-ET	TC TV	100-NA	1HO11545	MOGUL x MAN-O-MAN	61	71	1357	180	98	2.81	3.0	87	-3.7	1.1	1.88	92	1.65	2.01	0.33	2522G
DE-SU SS HONEYBEE 11569-ET	TR TP	99-I	7HO12212	SUPERSIRE x BOOKEM	52	77	1489	164	97	2.83	5.7	85	1.5	1.0	1.66	92	1.36	0.53	0.63	2520G
S-S-I SUPERSIRE TETRIS-ET	TR TP	99-I	7HO11985	SUPERSIRE x DOMAIN	63	90	2040	202	92	2.80	6.2	86	2.2	0.1	0.75	88	1.03-0.05	-0.15	2520G	

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					PRO	FAT	MILK	FE	%R	SCS	PL	%R	LIV	FI	PTAT	%R	UDC		FLC	BWC
MR DELICIOUS LIONEL-ET	TR TP	99-I	200HO10034	MCCUTCHEN x ROBUST	55	68	1899	167	90	2.82	4.9	78	0.1	1.2	1.87	85	1.48	1.32	-0.63	2519G
S-S-I STERLING DAMARIS-ET	TR TP	99-I	7HO13093	STERLING x BOOKEM	51	50	1525	143	95	2.90	9.1	85	1.7	2.4	1.78	90	1.36	1.97	-0.62	2517G
S-S-I UNO DESIGN DUVAL-ET		100-NA	7HO13003	NUMERO UNO x ROBUST	28	72	436	139	92	2.71	6.7	85	0.9	3.0	1.77	87	1.81	1.54	-0.03	2517G
EILDON-TWEED SSR BELAIR-ET	TR TP	99-I	14HO07418	SUPERSIRE x BOOKEM	55	72	1416	162	91	3.05	5.4	80	1.5	1.6	1.93	85	1.29	1.61	0.90	2516G
S-S-I MOGUL MULTIPLY-ET	TR TP	99-I	7HO11915	MOGUL x ROBUST	23	56	25	109	94	2.76	7.2	86	1.2	3.5	1.27	92	2.45	2.87	0.59	2516G
S-S-I SHAMROCK MYSTIC-ET	TR TP	100-NA	7HO11395	SHAMROCK x SHOTTLE	42	61	1071	140	95	2.74	7.6	87	5.1	5.3	0.62	91	0.29	-0.24	0.03	2516G
SPRUCE-HAVEN STOIC-ET	TC TV	99-I	1HO11048	EPIC x TRIGGER	60	40	1461	142	99	2.66	7.9	87	2.6	1.0	1.58	94	2.12	1.18	-0.11	2512G
MAPEL WOOD BREWMASTER-ET	TR TP	100-NA	250HO01009	GARRETT x SHOTTLE	35	99	910	172	97	2.73	3.5	89	-0.6	2.0	1.64	94	1.11	1.19	0.51	2511G
BACON-HILL MAGUIRE-ET	TR TP	100-NA	7HO12256	SUPERSIRE x BOLTON	59	104	1513	210	94	2.82	3.9	85	0.6	-1.6	1.62	90	1.12	0.65	0.83	2508G
EDG BLACKGOLD-ET	TC TV	100-NA	29HO17550	NUMERO UNO x ROBUST	48	77	1107	176	93	3.09	5.3	85	0.8	2.3	1.70	89	1.03	1.67	-0.35	2506G
MORNINGVIEW MCC KINGBOY-ET	TR TP	99-I	7HO12198	MCCUTCHEN x SUPER	42	47	1403	87	99	2.67	4.8	87	-0.9	1.9	3.26	99	2.49	1.34	2.29	2506G
ROYLANE SOCRA ROBUST-ET	TR TV	100-NA	7HO10524	SOCRATES x O MAN	43	72	931	171	99	2.97	6.6	99	4.0	2.1	0.71	99	1.23	1.60	-1.01	2506G
MOUNTFIELD SSI DCY MOGUL-ET	TR TP	100-NA	7HO11314	DORCY x MARSH	40	79	1220	161	99	2.98	4.1	99	-3.9	0.3	2.22	99	3.08	2.35	-0.40	2504G
DE-SU LTM PONDER 11345-ET	TV TL	100-NA	7HO12021	LITHIUM x RUSSELL	36	40	1303	90	99	2.80	8.9	87	4.4	6.9	-0.06	94	0.72	0.39	0.60	2499G
DE-SU 11236 BALISTO-ET	TC TV	99-I	29HO16714	BOOKEM x WATSON	64	75	866	201	99	2.70	4.5	88	-1.2	-0.7	1.52	98	1.03	1.54	0.33	2498G
LADYS-MANOR GRAF LA-BRON-ET	TC TV	99-NA	29HO16701	GRAFEETI x SUPER	47	69	1331	161	99	2.72	5.2	86	2.4	2.4	1.05	97	1.38	1.02	-0.46	2498G
FARNEAR-BH MR MCGIRT-ET	TR TP	100-NA	7HO12131	MOGUL x DOMAIN	51	75	1974	136	96	2.84	3.7	87	-2.5	1.0	1.72	92	1.95	1.99	1.81	2497G
CO-OP DAY TAURINO-ET	TC TV	99-I	1HO11427	DAY x PLANET	36	70	886	149	98	2.81	6.5	87	1.3	2.0	1.67	91	2.62	0.85	-0.48	2495G
DE-SU MGL GARZA 11388-ET	TR TP	100-NA	7HO12024	MOGUL x PLANET	34	61	916	111	95	2.83	4.9	87	0.2	1.8	2.21	93	2.61	2.07	1.33	2493G
CO-OP AVENGER-ET	TC TV	100-NA	1HO11889	SUPERSIRE x SUPER	23	43	437	71	95	2.63	9.4	83	4.2	5.2	1.14	85	1.33	1.42	1.66	2492G
SEAGULL-BAY MVP-ET	TC TV	100-NA	29HO16888	MOGUL x PLANET	40	67	527	153	98	2.83	4.6	88	-0.7	1.6	1.94	94	2.30	1.61	0.08	2491G
CO-OP MOGUL STAMINA CRI-ET	TV TL	100-NA	1HO11541	MOGUL x MASSEY	31	76	688	147	95	2.75	4.4	85	-2.5	1.4	1.78	88	2.66	1.92	-0.16	2490G
SLO-TRAIN ALTACAIN	TR TP	100-NA	11HO11337	MAUI x INDIANA	33	71	555	155	98	2.71	5.0	86	1.5	2.7	1.29	93	1.79	0.90	-0.79	2490G
MR MOVIESTAR MARDI GRAS-ET	TR TP	100-NA	534HO00025	MOGUL x PLANET	31	66	582	126	97	2.82	5.7	86	-0.4	3.2	1.61	95	2.61	0.82	0.66	2489G
SEAGULL-BAY TOUCHDOWN-ET	TC TV	99-I	76HO00710	HEADLINER x DORCY	46	76	1213	157	88	2.87	6.0	78	1.5	0.1	2.14	86	1.88	1.81	0.59	2489G
PENN-ENGLAND GIFIAN 903A-ET	TR TP	100-NA	14HO07324	MOGUL x BOXER	56	56	2347	141	97	2.89	4.9	86	-0.8	0.9	2.14	93	2.38	1.93	-0.29	2488G
DE-SU NOMINEE-ET	TR TP	99-I	200HO06528	NUMERO UNO x MASSEY	47	51	1244	131	99	2.60	6.9	88	1.0	4.6	1.03	97	0.45	0.60	0.24	2487G
T-SPRUCE ALTAJAKE-ET	TR TP	100-NA	11HO11422	PETRONE x OBSERVER	28	28	1218	74	94	2.64	6.6	82	2.0	4.2	2.37	85	2.58	1.66	-0.51	2479G
DE-SU 11620 NIRVANA-ET	TC TV	100-NA	29HO16887	MOGUL x PLANET	60	66	1567	169	93	2.76	5.3	86	-0.7	0.0	1.62	88	1.83	0.84	0.27	2478G
LADYS-MANOR GREGARIOUS-ET	TR TP	100-NA	7HO12157	MOGUL x BRONCO	40	72	841	146	95	3.03	3.8	86	-2.8	2.3	2.04	92	2.33	2.10	0.69	2477G
SULLY ROBUST MONOCEROTIS-ET	TR TP	100-NA	7HO11839	ROBUST x PLANET	54	55	1684	163	95	2.88	6.2	87	1.7	2.1	0.95	93	1.32	1.21	-1.55	2477G
BACON-HILL MILSON-ET	TR TP	100-NA	7HO12186	MOGUL x BOLTON	66	62	2304	179	94	2.99	3.1	85	-2.8	-0.8	2.39	89	2.42	1.69	-1.10	2476G
BUSH-BROS ALTAGOOD	TR TP	98-NA	11HO11348	ROBUST x MASSEY	50	62	812	153	98	2.74	5.1	86	2.9	0.3	1.57	93	2.01	1.03	0.71	2476G
ST GENOMICPRO DOC-ET	TC TV	100-NA	151HO00656	SHAMROCK x BOGART	38	74	1160	156	97	2.78	5.1	86	2.9	2.9	1.26	85	0.82	0.54	-0.69	2476G
BACON-HILL MILTON-ET		100-NA	100HO11515	MOGUL x BOLTON	57	69	2203	168	92	3.09	2.5	85	-2.5	0.9	1.60	88	2.54	1.86	-0.78	2475G
S-S-I TWIST MONARCH-ET	TV TL	100-NA	7HO11386	TWIST x SHOTTLE	41	69	893	140	99	2.90	6.3	92	3.7	4.6	0.25	93	0.53	1.10	0.93	2475G
RICKLAND SUPERSIR BRUTUS-ET	TV TL	100-NA	1HO11070	SUPERSIRE x SUPER	56	64	1718	158	94	2.81	5.7	85	1.5	1.8	1.36	88	0.88	0.80	0.12	2474G
WELCOME MOGUL HADWIN-ET	TR TP	99-I	7HO12122	MOGUL x O-STYLE	47	41	1394	136	95	2.80	7.5	87	1.4	3.9	1.32	93	1.19	0.52	-1.47	2474G
ZIMMERVIEW MOGUL BUTLER-ET	TR TP	100-NA	7HO12195	MOGUL x PLANET	60	56	1699	154	96	2.93	6.2	87	0.3	1.0	1.57	93	1.21	1.72	0.21	2474G
COGENT SUPERSHOT	TV TL	100-NA	224HO02881	SUPERSIRE x SUPER	60	45	1963	127	96	2.74	7.9	85	1.9	2.5	1.18	94	0.78	0.54	0.88	2473G

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DE-SU RENNIE 11023-ET	TR TP	100-NA	7HO11833	ROBUST x PLANET	43	77	1267	175	95	3.02	6.7	87	3.8	1.0	1.14	93	1.95	0.32	-1.28	2472G
KP-ACK ALTALEGAL-ET	TR TP	100-NA	11HO11419	MOGUL x PLANET	50	79	1442	177	91	2.77	5.4	85	-0.4	0.3	1.15	86	1.91	0.84	-0.46	2472G
SEAGULL-BAY HEADLINER-ET	TR TP	100-NA	7HO11419	ROBUST x PLANET	65	75	1855	182	99	3.17	2.2	97	-1.1	0.0	2.28	99	1.83	1.90	0.47	2472G
DE-SU EPIC ACER 11504-ET	TR TP	99-I	7HO12206	EPIC x BOOKEM	37	40	1330	77	93	2.80	6.6	85	1.1	3.7	2.42	90	1.88	1.64	1.74	2470G
PLAIN-KNOLL MINDY BEACHHEAD	TR TP	100-NA	7HO12346	HEADLINER x SHOTTLE	40	66	968	124	93	3.05	5.2	85	1.7	3.6	1.76	89	1.36	1.24	1.67	2470G
MICHIGAN BUMBLEBEE-ET	TC TV	99-I	1HO10838	BOOKEM x BRONCO	38	80	1234	134	94	3.01	4.4	85	0.0	0.7	2.10	91	1.94	2.41	1.59	2467G
DE-SU DALIBOR 11639-ET	TR TP	99-I	7HO12337	DONATELLO x BOOKEM	35	60	623	129	93	2.65	6.1	85	0.5	3.8	1.27	88	1.26	-0.04	0.32	2463G
L-L-M-DAIRY ALTAPONDER-ET	TV TL	99-I	11HO11287	SHAMROCK x JET STREAM	42	31	1795	92	95	2.71	8.2	84	4.2	4.1	1.61	92	1.34	1.01	-0.33	2461G
CO-OP ROBUST YOOHOO-ET	TC TV	100-NA	1HO10579	ROBUST x ENCINO	31	42	521	109	99	3.00	7.0	93	4.0	5.3	0.82	93	1.47	1.72	-0.40	2460G
SANDY-VALLEY STERLING-ET	TR TP	100-NA	7HO11585	ROBUST x PLANET	59	51	1886	139	99	3.17	5.7	97	2.5	1.6	2.12	98	1.29	1.58	0.52	2460G
TAG-LANE MILKSHAKE	TC TV	96-I	29HO17518	MOGUL x O MAN	39	79	737	171	94	2.86	5.5	84	0.0	3.2	0.78	87	0.84	1.18	-0.60	2460G
DE-SU 11528 CAPTIVATE-ET	TC TV	100-NA	29HO16939	MOGUL x TRIGGER	46	71	1017	170	92	2.92	2.6	86	-1.9	0.3	1.98	87	2.44	2.12	-0.68	2459G
BOMAZ ALTAENTRUST-ET	TR TP	100-NA	11HO11314	ROBUST x MAN-O-MAN	38	69	442	155	98	2.74	4.5	86	1.7	3.2	0.89	89	0.73	1.02	-0.03	2457G
APINA ALTAEMBASSY-ET	TR TP	99-NA	11HO11143	FREDDIE x PLANET	30	75	1580	107	98	2.63	5.7	89	0.9	3.3	1.25	97	1.19	0.48	1.47	2456G
MELARRY ROBUST MILES-ET	TR TP	100-NA	7HO11836	ROBUST x AL	45	81	1011	189	99	2.95	3.6	87	-0.1	0.9	1.34	96	1.52	1.33	-1.36	2455G
BUSH-BROS MOG FAIRFAX-ET	TR TP	99-I	14HO07349	MOGUL x FREDDIE	38	67	856	153	94	2.81	5.3	84	-0.3	2.4	0.81	87	1.63	1.50	-0.76	2453G
SYNERGY PRIME-ET		100-NA	29HO16974	NUMERO UNO x PLANET	43	69	897	148	94	2.59	5.5	86	2.3	1.8	1.39	85	0.81	0.28	0.59	2453G
TRANQUILLITY AC PRIDE-ET	TV TL	100-NA	147HO02442	ROBUST x BOLIVER	28	80	566	153	96	3.09	7.1	84	2.9	2.0	1.11	95	1.80	1.25	-0.56	2453G
DE-SU 11530 CAPABULL-ET	TV TL	100-NA	29HO16940	MOGUL x TRIGGER	40	62	1036	132	93	2.78	5.7	85	0.0	2.0	1.49	89	1.71	1.68	0.47	2452G
RICHMOND-FD JC BARNABY-ET		100-NA	7HO12168	CAMERON x SUPER	23	50	516	92	94	2.60	7.3	86	2.2	3.3	1.65	89	1.94	1.66	0.62	2452G
TAG-LANE SUDAN JAROD-ET	TC TV	98-NA	29HO16862	SUDAN x PLANET	62	84	1511	202	93	2.99	5.5	86	2.3	0.2	1.03	88	0.85	-0.01	-0.17	2452G
LESMAR SHN MICKEY MARSO-ET	TV TL	100-NA	7HO12238	SHAN x ROBUST	49	66	1233	164	92	3.02	5.5	80	1.1	1.6	1.44	86	1.77	0.14	-0.53	2450G
DE-SU MICKELSON 11598-ET		99-I	250HO12213	SUPERSIRE x BOOKEM	51	63	1318	136	90	2.68	5.5	76	0.1	0.2	2.03	85	1.59	0.84	1.58	2449G
WELCOME SUPER PETRONE-ET	TR TP	100-NA	7HO11169	SUPER x ALTABAXTER	10	40	618	55	99	2.60	7.1	98	3.8	6.0	1.23	99	1.82	1.48	0.35	2449G
WINNING-WAY MADEA-ET	TC TV	100-NA	29HO16845	O-STYLE x PLANET	47	57	2184	137	95	2.79	6.3	87	2.5	2.2	1.33	91	1.07	1.16	-1.06	2448G
CLEAR-ECHO DELFINO 110-ET	TR TP	99-I	7HO12322	DONATELLO x GERARD	36	47	753	125	93	2.69	6.1	81	1.3	1.6	1.62	86	2.33	1.68	-0.69	2446G
DE-SU SPANGLER 11573-ET	TR TP	99-I	7HO12278	SUPERSIRE x BOWSER	45	68	1053	168	94	2.96	6.4	85	2.9	1.4	1.22	90	1.54	0.65	-1.02	2443G
DE-SU ALTAGILCREST-ET	TR TP	100-NA	11HO11272	ALTAGREATEST x GOLDWYN	69	60	2611	169	97	2.98	4.0	86	0.9	0.1	1.58	95	1.68	0.92	-0.54	2440G
RJR CHARLESTON-ET	TV TL	100-NA	7HO12072	PETRONE x SHOTTLE	11	53	159	75	94	2.64	5.8	86	2.1	3.5	2.70	89	2.32	1.45	0.88	2439G
MATT-DARI MOGUL PAYTON-ET	TR TP	100-NA	14HO07340	MOGUL x MAN-O-MAN	43	55	1002	132	96	2.69	4.2	86	-2.0	2.6	1.27	92	1.96	0.54	0.29	2437G
COYNE-FARMS JACEY CRI-ET	TV TL	99-I	1HO10788	ALTAIOTA x MASSEY	56	14	1584	84	99	2.49	4.9	95	-0.2	3.8	1.77	99	1.53	1.46	1.11	2435G
MR OCD EPIC DRAGONHEART-ET	TR TP	100-NA	7HO12111	EPIC x PLANET	42	49	1763	117	92	2.93	6.7	86	3.1	1.7	1.90	87	2.27	1.15	-0.42	2435G
AL-LEW MGL ACHILLES 1206-ET	TR TP	100-NA	14HO07400	MOGUL x OBSERVER	25	51	361	106	91	2.75	5.2	85	-0.3	2.4	2.24	87	2.38	2.23	0.13	2434G
BACON-HILL O MOHAWK-ET	TR TP	100-NA	7HO11787	O-STYLE x BOLTON	75	85	2619	215	98	3.00	2.0	86	0.1	-0.9	1.00	94	0.76	1.25	-0.72	2434G
CO-OP RAINIER-ET	TC TV	100-NA	1HO10559	OBSERVER x SHARKY	48	86	1638	179	99	2.83	5.8	95	2.1	2.2	0.33	95	0.37	-0.22	-0.45	2434G
MR WELCOME MOGUL LENTAL	TC TV	100-NA	29HO16960	MOGUL x OBSERVER	35	79	701	160	93	2.77	4.2	85	-1.1	1.2	1.51	89	1.76	1.64	-0.34	2433G
NO-FLA EMULATE 30309-ET	TR TP	99-I	7HO11546	BOOKEM x O MAN	47	73	1560	158	98	2.87	5.0	91	0.4	1.7	1.20	94	0.84	1.06	-0.20	2431G
S-S-I UNO MASTER-ET	TR TP	99-I	7HO13010	NUMERO UNO x BOOKEM	34	47	1268	98	91	2.70	7.8	85	1.5	4.5	1.23	85	1.24	-0.23	0.41	2431G
DYMENTHOLM S SYMPATICO-ET	RC TP	100-NA	200HO02828	SNOWMAN x PLANET	41	68	1630	147	99	2.76	3.8	93	1.4	0.8	1.61	98	1.87	1.24	-0.85	2430G
OCD MCCUTCHEN DAREDEVIL-ET	TR CD	99-I	7HO12184	MCCUTCHEN x DORCY	37	51	1084	117	92	2.68	4.7	86	1.2	0.8	2.46	88	2.27	1.29	0.00	2430G

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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	LIV	FI	PTAT	%R		UDC	FLC	BWC
LADYS-MANOR MOG SHANAHAHAN-ET	TR TP	100-NA	7HO12159	MOGUL x SUPER	38	61	376	148	94	2.77	6.0	86	-0.9	1.9	1.17	91	1.63	1.67	-0.26	2427G
ROYLANE BOOKEM KRUZ 5454-ET	TR TP	99-I	14HO07044	BOOKEM x O MAN	52	69	598	163	92	3.02	3.7	85	0.7	2.0	1.06	89	0.66	1.79	1.25	2427G
STE ODILE PURE-ET	B/R TP	100-NA	200HO10024	MOGUL x MAN-O-MAN	57	58	1954	153	98	3.33	3.3	86	-0.8	1.9	1.89	96	1.92	1.50	-0.37	2427G
DE-SU MG DAVINCI 11288-ET	TR TP	100-NA	7HO12014	MOGUL x WATSON	44	71	678	154	98	2.79	4.0	87	-1.7	-1.1	2.07	95	2.52	1.74	0.83	2426G
CO-OP UPD PTRN PAY CHECK-ET	TV TL	100-NA	1HO11062	PETRONE x SHOTTLE	24	55	658	85	97	2.58	7.2	86	3.5	4.6	0.33	89	0.85	1.06	1.57	2425G
PEN-COL MERRICK	TC TV	100-NA	29HO17503	MOGUL x MAN-O-MAN	34	70	1289	124	94	2.77	1.0	86	-4.6	-0.1	3.10	91	3.15	1.93	0.62	2422G
RICKLAND RILEY 658	TR TP	100-NA	7HO11762	ROBUST x SHOTTLE	15	72	-492	135	99	2.93	5.1	89	3.5	2.1	1.20	93	2.32	2.14	-0.33	2422G
STANTONS MAIN EVENT-ET	TR TP	100-NA	250HO01127	MOGUL x SUPER	21	40	298	83	94	2.80	6.6	87	0.6	3.4	1.92	93	2.66	2.08	0.31	2422G
DE-SU MALLINGER 11384-ET	TR TP	100-NA	7HO12095	MOGUL x PLANET	42	81	1402	171	97	3.08	3.4	87	-0.9	0.5	1.74	93	1.78	1.80	-0.95	2421G
EVEN-PAR ZUMA	TV TL	100-NA	29HO16607	ROBUST x PLANET	58	68	1371	195	94	3.14	5.2	85	1.6	0.6	0.61	89	0.92	1.46	-1.65	2421G
SULLY MUNITION-ET	TR TP	100-NA	200HO03859	ROBUST x PLANET	43	50	1038	132	97	2.87	6.7	86	2.0	3.0	1.03	94	1.21	0.46	-0.32	2419G
MELARRY PETRONE FLORES-TW	TR TP	100-NA	7HO12126	PETRONE x PRONTO	23	12	852	25	94	2.83	8.1	86	4.0	6.6	1.95	92	1.33	2.12	1.54	2418G
FURNACE-HILL M SUPERIOR-ET	TR TP	100-NA	7HO12248	MOGUL x PLANET	32	61	1058	133	94	2.98	6.5	85	0.5	1.4	1.88	90	2.54	0.98	-0.99	2416G
S-S-I MAURICE PARTYROCK-ET	TR TP	100-NA	7HO11928	MAURICE x DORCY	24	52	312	124	99	2.70	7.5	87	3.5	2.4	0.94	95	1.90	1.30	-0.91	2416G
ROYLANE BOXER PUNCH 4311-ET	TR TP	100-NA	7HO11207	BOXER x O MAN	39	55	504	108	99	2.87	3.2	96	2.0	3.7	1.54	98	1.10	1.63	2.36	2415G
GILLETTE SGO MYSPACE-ET	TR TP	100-NA	200HO10003	MOGUL x PLANET	43	78	1458	174	92	3.01	5.9	85	0.9	1.6	0.89	89	1.49	-0.05	-1.38	2414G
SIEMERS MOGUL PETY	TR TC	100-NA	7HO12139	MOGUL x EXPLODE	41	48	1201	123	98	3.01	4.5	87	-0.6	0.4	2.53	94	2.94	1.79	-0.35	2414G
DE-SU ROBUST ZEUS 11009-ET	TR BY	100-NA	7HO11597	ROBUST x PLANET	49	36	1490	113	98	3.18	6.6	89	4.5	1.6	1.44	95	2.13	2.04	0.06	2410G
MR WELCOME SSI UNO TATUM-ET	TR TP	100-NA	7HO13022	NUMERO UNO x COLBY	41	52	1287	124	97	2.83	4.7	87	-1.2	2.0	2.44	94	1.86	0.64	-0.15	2409G
MOUNTFIELD MSY MAURICE-ET	TR TV	100-NA	7HO11138	MASSEY x BOLIVER	36	66	508	142	99	2.67	6.8	97	0.8	2.0	0.22	98	1.17	0.98	0.26	2408G
BOMAZ ALTAROBOTO-ET	TR TP	100-NA	11HO11357	ROBUST x MAN-O-MAN	41	69	755	150	92	2.86	4.5	86	0.3	3.2	1.01	89	0.61	0.27	0.36	2406G
EDG DEMAN-ET	TR TP	100-NA	534HO00026	MOGUL x G W ATWOOD	34	68	380	133	92	2.94	2.6	85	-4.7	0.1	3.09	90	2.66	2.73	1.10	2406G
SULLY ALTAMERCI-ET	TR TP	100-NA	11HO11283	ROBUST x PLANET	53	67	1633	164	99	2.88	5.2	89	2.8	1.4	0.36	97	0.94	0.32	-0.44	2406G
FARNEAR MCC USHER-ET	TR TP	99-I	7HO12199	MCCUTCHEN x FREDDIE	25	62	95	112	93	2.73	4.1	86	-0.2	1.3	2.14	91	1.75	2.31	1.18	2405G
DE-SU MGL GREENWAY 11396-ET	TR TP	100-NA	7HO12026	MOGUL x PLANET	55	76	1574	180	98	3.05	3.5	87	-2.1	0.7	1.63	96	0.96	1.26	-0.36	2404G
MURI SERSE-ET	TV TL	99-I	200HO07763	NUMERO UNO x PLANET	38	69	936	135	92	2.77	5.1	85	-0.1	2.0	1.60	92	1.74	0.21	0.76	2404G
DE-SU 11565 NIKITA-ET	TC TV	100-NA	29HO16886	MOGUL x PLANET	49	69	1235	158	92	2.85	5.5	86	-0.6	0.7	1.37	88	1.40	1.20	0.23	2403G
OCD SUPERSIRE LIGHTS OUT-ET	TR TP	100-NA	7HO12183	SUPERSIRE x DESTROY*RC	44	57	1254	122	93	2.62	5.6	86	1.1	1.9	1.57	89	1.08	-0.13	1.10	2403G
S-S-I COBRA MCLOVIN-ET	TR TP	100-NA	7HO11636	COBRA x SOCRATES	42	70	666	150	94	2.72	4.1	85	2.4	2.1	1.04	90	0.43	1.03	0.71	2403G
DE-SU ALTAMELHOR-ET	TV TL	100-NA	11HO11077	AL x O MAN	34	51	496	98	98	2.58	4.2	93	1.9	1.7	1.81	94	1.51	2.24	1.95	2402G
MR NAMESAKE-ET	TC TV	100-NA	29HO16981	MOGUL x GERARD	38	60	655	125	91	2.91	3.1	85	-2.0	0.8	2.33	88	2.90	1.21	1.12	2402G
MR OCD ROBUST DANTE-ET	TR TP	100-NA	7HO11524	ROBUST x PLANET	52	64	1431	179	95	3.10	5.0	87	2.8	2.0	0.44	91	1.04	0.48	-1.81	2402G
WINDSOR-MANOR DISPATCH-ET		100-NA	7HO12160	MOGUL x SHOTTLE	27	48	806	93	93	2.74	5.4	86	-2.0	2.1	2.16	91	2.43	2.16	0.52	2401G
ROSYLANE-LLC ALTASTALWART	TR TP	98-I	11HO11396	PETRONE x ALTAMETEOR	28	54	898	106	93	2.66	6.0	85	2.3	2.8	1.29	86	1.26	0.90	0.06	2400G
SANDY-VALLEY EMERO-ET	TR TP	100-NA	200HO10038	NUMERO UNO x ROBUST	35	61	762	113	90	2.72	5.7	79	2.1	2.0	1.84	87	1.04	0.89	1.56	2400G
MELARRY ALTAMATT-ET	TR TP	100-NA	11HO11421	NUMERO UNO x EXPLODE	22	53	567	84	94	2.42	6.9	85	1.7	1.4	2.22	85	1.95	1.31	1.32	2399G
NO-FLA ALTAEDITION-ET	TR TP	99-I	11HO11391	MAURICE x PLAN	51	64	1204	170	97	2.89	6.7	85	2.7	2.8	-0.19	90	0.30	-0.42	-0.91	2398G
DE-SU MAG OGLETREE 11237-ET	TV TL	100-NA	7HO12012	MAGNUS x RUSSELL	35	78	341	142	96	2.78	3.5	85	0.9	3.7	0.62	89	0.15	0.31	1.56	2397G
SANDY-VALLEY SLATE-ET	TR TP	100-NA	7HO12151	MOGUL x PLANET	60	59	1508	150	94	3.09	3.9	86	-0.8	-0.2	2.29	92	1.59	1.46	1.17	2397G
GLENN-ANN PROVIDENCE-ET	TR TV	100-NA	200HO03987	MERIDIAN x JEEVES	26	40	1284	63	91	2.76	5.7	85	0.6	2.2	3.03	90	2.60	1.50	1.22	2396G

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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	LIV	FI	PTAT %R	UDC	FLC		BWC			
LADYS-MANOR MS LANDSHARK-ET	TR TP	100-NA	7HO12243	SHAN x SUPER	34	41	998	96	93	2.83	6.4	85	0.9	2.6	2.17	90	2.57	0.14	0.31	2396G
S-S-I MAXUM MATER-ET	TR TP	100-NA	7HO11641	MAXUM x SHOTTLE	36	51	927	97	92	2.92	7.0	85	4.2	3.2	0.88	86	1.34	1.01	1.67	2396G
S-S-I SUPERSIRE FREEDOM-ET	TR TP	100-NA	7HO11981	SUPERSIRE x USA 61996866	46	68	1237	162	92	2.81	4.9	84	1.2	0.7	0.99	87	1.17	0.80	-0.71	2395G
S-S-I ROBUST BIGGIO-ET	TR TP	100-NA	7HO11373	ROBUST x PLANET	53	75	1054	178	95	2.89	4.4	87	2.1	0.0	1.03	92	0.89	0.50	0.16	2394G
GEPQUETTE RAYFULL-ET	TR TP	99-I	200HO06607	MCCUTCHEN x OBSERVER	37	56	805	118	92	2.83	3.5	85	-1.1	1.5	2.13	91	1.89	1.80	0.87	2393G
ROYLANE CHAMP VAL 4246-ET	TR TP	100-NA	14HO06677	CHAMP x O MAN	44	82	1096	191	99	2.83	4.8	94	1.5	1.4	0.20	96	0.91	-0.29	-1.64	2393G
CO-OP MINTMAKER TRIVIA-ET	TC TV	99-I	1HO11562	MINTMAKER x PLANET	35	84	706	163	98	2.82	4.7	87	3.1	0.9	0.91	89	1.18	0.18	-0.04	2392G
MR WELCOME HILL TANGO-ET	TC TV	100-NA	1HO10824	HILL x COLBY	54	64	2021	153	99	2.95	2.4	94	-2.0	1.6	1.53	99	1.46	0.79	-0.26	2392G
NO-FLA ALTAEVERGLADE-ET	TR TP	100-NA	11HO11100	MASSEY x O MAN	47	77	615	157	99	2.84	0.7	94	-0.2	2.2	0.53	92	0.25	1.40	1.75	2391G
STANTONS CAPITAL GAIN-ET	TR TP	99-I	200HO10362	MCCUTCHEN x OBSERVER	45	71	2028	128	93	2.75	2.0	85	-3.7	-0.1	3.05	90	1.92	0.59	1.01	2391G
LARCREST CABALLERO-ET	TC TV	99-I	29HO16978	MOGUL x OBSERVER	28	73	384	144	92	2.78	4.1	85	-1.1	1.8	1.11	88	1.83	1.17	-0.28	2390G
CO-OP ROBUST JITTERBUG-ET	TC TV	99-I	1HO10738	ROBUST x RAMOS	23	61	164	129	99	2.83	5.4	89	2.0	4.0	0.31	94	0.97	1.04	-0.73	2388G
MORNINGVIEW MGL UPTOWN-ET	TR TP	100-NA	7HO12197	MOGUL x SUPER	30	50	1159	79	94	2.53	4.1	86	-3.8	1.7	2.44	93	2.37	1.82	1.76	2388G
MR T-C-G PROSPECT-ET	TR TV	100-NA	200HO02962	FERNAND x PLANET	61	62	1416	188	93	2.97	2.4	84	-0.1	0.7	1.75	91	1.53	0.16	-1.27	2388G
FARNEAR-PAR ALTAPRESET-ET	TR TP	100-NA	11HO11320	ROBUST x PLANET	34	46	1337	110	98	2.67	7.2	86	3.8	2.4	0.95	91	1.31	0.66	-0.81	2387G
COOKIECUTTER ML HANGOVER-ET	TR TP	100-NA	14HO07231	MOGUL x MAN-O-MAN	41	79	1196	151	97	2.73	1.5	87	-4.2	-0.6	2.19	92	2.01	1.60	0.64	2386G
EDG SOWDER-ET	TC TV	100-NA	29HO17514	MOGUL x RUSSELL	38	67	1060	137	91	2.83	3.8	85	-1.4	1.0	1.64	87	1.92	1.37	0.25	2385G
EDG WATABUNCHA-ET		100-NA	29HO16982	MOGUL x OBSERVER	33	55	708	126	93	2.83	5.2	85	-1.1	1.4	1.63	88	2.31	1.91	-0.33	2385G
KERNDTWAY KINGPIN-ET	TR TP	99-I	7HO12228	MCCUTCHEN x OBSERVER	30	56	645	92	95	2.59	4.9	85	0.6	0.7	2.63	93	1.72	1.31	2.11	2385G
MOUNTFIELD MXR CLARENCE-ET	RC	100-NA	7HO12103	MIXER x DESTROY*RC	21	64	-597	128	93	2.72	2.8	86	-2.0	1.3	2.44	88	2.77	1.56	0.47	2385G
LADYS-MANOR SHAM GRIN-ET	TR CD	99-NA	7HO11725	SHAMROCK x FREDDIE	47	63	1533	172	95	2.99	5.7	86	1.8	1.1	1.11	92	0.98	0.75	-2.27	2384G
GIL-GAR MOGUL THOREAU-ET	TR TP	100-NA	25HO12128	MOGUL x DOMAIN	39	48	1237	113	90	2.91	3.5	75	-2.7	0.5	2.43	85	2.90	2.05	0.10	2382G
DE-SU 11526 COWSANOVA-ET	TC TV	100-NA	29HO16941	MOGUL x TRIGGER	30	60	934	123	92	2.80	5.4	85	0.5	0.6	1.79	89	2.40	1.71	-0.45	2381G
DE-SU LTM RODGERS 11379-ET	TR TP	100-NA	7HO12023	LITHIUM x RUSSELL	28	55	759	110	99	2.66	9.4	87	1.9	4.3	-0.07	95	0.26	0.25	0.10	2381G
WA-DEL OSTYLE BARRET-ET	TR TP	100-NA	14HO07270	O-STYLE x SHOTTLE	33	31	1415	59	91	2.75	4.5	87	0.6	3.3	2.19	89	1.79	2.08	1.46	2381G
WELCOME ARMITAGE PESKY-ET	TC TV	99-I	29HO16650	ARMITAGE x JOSE	53	67	1049	172	98	2.84	2.3	87	-0.7	2.6	0.40	94	0.17	0.32	-0.24	2380G
BOMAZ ALTAGRAVITY-ET	TR TP	99-I	11HO11353	ALTAGREATEST x SUPER	60	58	2175	164	95	2.90	4.9	86	0.9	0.0	1.11	88	1.43	-0.02	-1.08	2377G
CO-OP UPD GREATEST LIFELONG	TV TL	100-NA	1HO11025	ALTAGREATEST x MAN-O-MAN	55	70	2083	159	97	2.71	4.4	87	2.3	-0.3	1.11	91	0.35	0.98	-0.09	2377G
MINNIGAN-HILLS DAY-ET	TC TV	100-NA	1HO10458	SUPER x BOLTON	41	39	1451	101	99	2.66	5.7	98	1.3	1.5	1.83	99	2.04	0.67	0.16	2377G
SANDY-VALLEY SUTTON-ET	TR TP	100-NA	7HO11757	ROBUST x PLANET	56	42	1653	121	95	2.94	5.3	87	2.2	1.3	1.62	93	0.86	1.34	0.93	2377G
SPRUCE-HAVEN ALTAALPHA-ET	TR TP	100-NA	11HO11302	SHAMROCK x DEANN	30	54	757	117	99	2.76	6.6	86	3.2	2.2	1.07	91	0.94	1.38	-0.25	2376G
ALTA ECHELON-ET	TR TP	100-NA	11HO11293	ROBUST x GOLDWYN	39	53	1285	115	97	2.84	3.2	84	-2.0	1.4	1.76	92	1.98	1.65	0.41	2375G
LE-O-LA MOGUL GAMBLER	TR TP	100-NA	14HO07303	MOGUL x G W ATWOOD	30	30	1173	77	95	2.71	6.4	85	-0.8	1.3	2.22	91	2.80	2.27	-0.14	2375G
BACON-HILL MONTAWK-ET	TV TL	100-NA	7HO12062	O-STYLE x BOLTON	66	92	2276	209	94	3.17	2.4	84	2.0	-1.6	0.86	90	0.75	1.23	-0.38	2374G
BOMAZ ALTAMACBOOK-ET	TR TP	99-I	11HO11256	BOOKEM x MAC	37	36	940	115	95	2.65	5.5	84	0.6	2.6	1.14	89	1.22	1.73	-1.17	2374G
FARNEAR-TBR-BH GUMBO-ET	TV TL	100-NA	29HO17511	MOGUL x SUPER	41	69	1437	146	93	2.91	3.6	86	-3.3	0.7	1.80	90	1.87	1.60	-0.38	2374G
CHAMPION ALTABOOKEL	TR TP	99-I	11HO11294	BOOKEM x MAN-O-MAN	56	59	1476	163	97	2.98	2.8	85	0.4	0.4	1.43	94	1.20	1.81	-0.48	2373G
DE-SU SHAN VOTTO 11607-ET	TR TP	100-NA	7HO12214	SHAN x ALTAMETEOR	30	38	395	73	93	2.81	5.0	85	2.2	2.4	1.77	88	2.57	1.16	2.13	2373G
BENNER BRIGHTLITE-ET	TV TL	100-NA	200HO02980	MOGUL x ALTABAXTER	37	72	1056	137	95	2.73	4.4	87	-0.6	-0.2	1.38	92	1.97	1.13	0.63	2372G
MR CHACHING CENTRIC-ET	TR TV	100-NA	200HO02961	NUMERO UNO x PLANET	24	72	387	127	94	2.58	6.7	86	3.1	1.8	1.04	91	0.90	0.06	0.38	2372G
S-S-I SUPERSIRE NOVA-ET	TR TP	100-NA	7HO11984	SUPERSIRE x SUPER	42	55	1195	124	92	2.64	5.6	85	0.2	1.8	1.15	87	0.98	0.61	0.44	2372G

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.