

HOLSTEIN ASSOCIATION

HIGH RANKING SIRE REPORT - DECEMBER 2011 - 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	TV TL	% RHA	NAAB #	SIRE/MGS	EPI	PROTEIN		PTA %	PTAM %	SCS	PL	PTAT %R	UDC	FLC	TPI			
						PTA %	FAT											
BADGER-BLUFF FANNY FREDDIE	TV TL	99-NA	1HO08784	O MAN x DIE-HARD	6.1	45	.04	54	.05	1135	92	2.83	7.3	1.05	88	1.11	2.09	2217G
MORNINGVIEW LEVI	TV TL	100-NA	29HO13664	BUCKEYE x O MAN	6.6	56	.10	71	.13	1006	94	2.64	4.9	1.44	93	0.52	1.98	2207G
LONG-LANGS OMAN OMAN-ET	TV TL	100-NA	14HO04929	O MAN x ALTAARON	6.1	67	.10	70	.09	1277	94	2.96	3.1	1.83	91	1.40	2.00	2206G
CHARLESDALE SUPERSTITION-ET	TR TV	100-NA	1HO08778	BOLIVER x O MAN	5.8	52	.00	32	-.12	1754	93	2.74	6.8	2.06	90	2.02	0.72	2201G
ENSENADA TABOO PLANET-ET	TR TV	100-NA	7HO08081	TABOO x AMEL	5.8	66	-.01	72	-.04	2267	99	3.01	6.5	2.04	99	1.73	-0.65	2184G
REGANCREST ALTAIOTA-ET	TV TL	100-NA	11HO09647	O MAN x ITO	6.5	44	.06	69	.13	925	94	2.83	3.6	2.29	90	2.01	1.11	2184G
CO-OP O-STYLE OMAN JUST-ET	TV TL	100-NA	1HO09167	O MAN x TEAMSTER	6.2	48	-.01	44	-.06	1666	93	2.73	5.9	1.36	91	1.25	2.35	2180G
E-LONGVIEW CM-ET	TV TL	100-NA	14HO05639	SHARKY x OUTSIDE	5.8	51	.00	81	.06	1722	94	2.76	4.7	1.71	91	1.44	0.53	2169G
LARS-ACRES SHOT TRIGGER-ET	TV TL	100-NA	29HO13846	SHOTTLE x BOLIVER	6.0	24	.02	25	.01	627	92	2.61	7.1	2.47	87	2.38	2.19	2144G
CO-OP OMAN LOGAN-ET	TV TL	100-NA	1HO08658	O MAN x BW MARSHALL	6.3	60	.04	81	.08	1638	94	2.64	3.4	0.94	90	0.31	1.96	2112G
LOTTA-HILL SHOTTLE 41-ET	TR TV	100-NA	1HO09192	SHOTTLE x BW MARSHALL	6.4	38	-.05	55	-.03	1763	92	2.70	4.3	2.50	88	2.78	1.47	2104G
SEAGULL-BAY MANO-ET	TR TV	100-NA	7HO08699	O MAN x MANAT	5.6	44	.03	64	.08	1185	92	2.88	5.0	0.68	85	0.59	1.97	2104G
MAINSTREAM MANIFOLD	TV TY	100-NA	200HO00402	O MAN x BW MARSHALL	6.7	53	.02	81	.09	1542	95	2.88	3.9	1.17	92	1.05	0.76	2103G
VA-EARLY-DAWN SUDAN CRI-ET	TV TL	100-NA	1HO09321	JAMMER x SAILOR	5.3	52	.05	80	.12	1306	90	2.84	3.6	1.82	88	1.45	2.57	2097G
SCHILLVIEW GARRETT-ET	TV TL	100-NA	29HO13083	O MAN x MTOTO	6.6	38	.01	51	.03	1167	94	2.70	4.4	1.63	92	1.19	2.82	2081G
BOSSIDE ALTAROSS-ET	TV TL	100-NA	11HO09703	O MAN x ALTABOSS	6.3	31	.04	44	.08	639	93	2.76	5.6	1.47	90	1.46	1.86	2076G
CLEAR-ECHO ALTAR2-ET	TV TL	99-1	11HO10017	MARION x RAMOS	5.4	33	-.04	50	-.01	1462	92	2.62	5.0	1.99	90	1.47	1.53	2074G
GRAN-J OMAN MCCORMICK	TV TL	100-NA	29HO13053	O MAN x DURHAM	6.3	18	.10	63	.28	-263	94	2.65	5.0	1.27	91	1.27	1.29	2064G
BOMAZ MARION EMERALD 648-ET	TV TL	100-NA	14HO05560	MARION x LYNCH	5.1	45	.10	90	.25	649	92	2.96	1.4	1.58	90	1.53	1.92	2060G
SIEMERS TOYS HERO 9701-ET	TR TV	100-NA	7HO09545	TOYSTORY x DURHAM	6.1	5	.03	50	.21	-128	92	2.94	2.9	3.70	89	3.84	2.53	2057G
COPPERTOP DOBERMAN-ET	TV TL	100-NA	29HO13363	SHOTTLE x GRANGER	5.9	37	.08	60	.15	518	93	2.65	3.0	2.01	91	2.06	1.02	2056G
BREMER ALLEGRO MAXUM-ET	TR TV	100-NA	7HO09357	ALTAALLEGRO x BLITZ	5.9	34	-.02	51	.01	1284	93	2.76	5.0	1.52	91	1.37	0.95	2052G
O-BEE MANFRED JUSTICE-ET	TR TV	100-NA	7HO06417	MANFRED x ELTON	6.5	48	.08	66	.13	854	99	2.72	5.2	0.09	99	-0.37	1.18	2052G
HONEYCREST JETTISON-ET	TL TY	98-1	1HO09448	JET STREAM x BOLIVER	5.7	52	.05	65	.06	1299	91	3.04	3.2	2.00	88	1.92	1.13	2051G
COLDSPRINGS GAFFNEY-ET	TV TL	100-NA	29HO13891	BUCKEYE x O MAN	6.6	34	.04	42	.05	812	91	2.89	4.2	1.51	86	1.71	0.75	2048G
PIGSTON SHOTTLE-ET	TV TL	100-NA	29HO12209	MTOTO x AEROSTAR	6.4	34	-.01	58	.05	1211	99	2.67	2.6	2.87	99	2.11	1.90	2039G
KED OUTSIDE JEEVES-ET	TV TL	100-NA	29HO11614	OUTSIDE x DUSTER	6.0	14	.00	27	.05	422	99	2.85	8.7	1.86	97	1.33	2.14	2031G
COLDSPRINGS GARNER CRI-ET	TV TL	100-NA	1HO08645	O MAN x PATRON	6.3	31	.05	66	.17	551	95	2.70	3.7	1.03	91	0.78	1.34	2025G
WHITMAN O MAN AWESOME ANDY	TV TL	100-NA	1HO08777	O MAN x ZADE	6.1	23	.07	74	.26	184	92	2.50	6.8	0.35	89	-0.09	1.16	2025G
SCO-LO-MR JOSE PADRON-ET	TV TL	98-1	29HO13767	JOSE x PIPPEN	5.6	49	.03	81	.11	1399	92	2.78	3.5	0.71	88	-0.05	1.44	2024G
L-L-M-DAIRY PADLOCK CRI-ET	TV TL	100-NA	1HO09390	MARION x RUDOLPH	5.5	42	.03	50	.03	1121	90	2.65	3.6	1.60	87	1.59	1.45	2011G
KOEBELE P-S SANTA-FE-ET	BY TV	100-NA	29HO13548	SHOTTLE x DETROIT	6.1	24	.07	60	.20	222	93	2.81	4.2	1.86	91	1.78	1.21	2010G
SANDY-VALLEY BOLTON-ET	BY TV	100-NA	29HO11111	ALTAHERSHEL x CONVINCER	5.8	51	-.02	70	-.01	1945	99	2.88	1.7	2.77	99	2.63	2.25	2010G
BEYERCREST RAMOS JOE CRI-ET	TV TL	99-1	1HO09387	RAMOS x MTOTO	5.6	18	.08	46	.19	-87	91	2.67	6.2	0.87	86	0.81	0.98	2009G
GRAF-ACRES MORRELL-ET	TV TL	100-NA	29HO13144	O MAN x RUDOLPH	6.3	52	.01	48	-.04	1594	95	2.63	4.3	0.75	92	0.49	1.23	2009G
UFM-DUBS ALTAESQUIRE-ET	TV TL	100-NA	11HO09624	O MAN x ALTASAM	6.0	46	.11	95	.28	572	96	2.98	1.7	1.31	92	0.06	1.58	2007G
WA-DEL GARMAN-ET	TV TL	100-NA	29HO13616	GARRISON x O MAN	5.7	26	.02	47	.08	717	93	2.97	4.0	1.77	90	1.53	2.25	2004G
CROCKETT-ACRES OTTO-ET	TV TL	100-NA	11HO09317	O MAN x MTOTO	6.6	53	.06	63	.07	1233	94	2.53	3.5	0.49	91	0.35	-0.19	2003G
SCHILLVIEW OMAN GERARD-ET	TV TL	100-NA	29HO13162	O MAN x BW MARSHALL	6.3	55	.06	41	-.03	1323	95	3.15	1.8	2.08	91	2.47	1.61	2002G
CO-OP DON JUAN-ET	TV TL	100-NA	1HO09225	DON x LUCENTE	5.7	22	-.03	40	.01	994	92	2.94	5.1	1.83	89	2.10	1.96	2001G

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Name	TR TV	% RHA	NAAB #	SIRE/MGS	EFI	PROTEIN		PTA	% PTA	PTAM	%R	SCS	PL	PTAT	%R	UDC	FLC	TPI
						PTA	%											
MATT-DARI SHARKY DAYTON-ET	TR TV	100-NA	7HO09754	SHARKY x OUTSIDE	5.8	43	-.01	75	.10	1297	91	3.00	3.6	1.76	87	0.58	0.93	2000G
RONELEE SS DURABLE	RC TV	100-NA	7HO09107	SEPTEMBER STORM x OUTSIDE	5.1	17	-.04	58	.09	887	94	2.57	3.5	2.33	90	1.63	3.02	1997G
CO-OP OMAN LOYDIE-ET	TV TL	100-NA	1HO08654	O MAN x BW MARSHALL	6.3	51	.13	65	.16	577	94	2.80	2.2	1.17	90	0.28	2.08	1996G
MORSAN ALTALOCKLYN-ET	TY	100-NA	11HO09956	SHOTTLE x O MAN	6.5	34	.00	52	.03	1176	93	2.84	2.2	1.83	91	1.66	1.11	1994G
SHADYBANK SHOTTLE SANTANA	TM TV	100-NA	1HO09175	SHOTTLE x TRENT *MF	6.4	50	.05	79	.13	1201	91	2.88	.5	2.10	89	1.28	0.57	1994G
KINGS-RANSOM T DOMINGO-ET	TR TV	100-NA	7HO08361	TEAMSTER x MTOTO	5.8	26	-.01	51	.05	999	94	2.62	5.0	1.32	90	1.13	0.26	1991G
HARTLINE JAYTON-ET	TV TL	98-1	29HO13330	DUCE x JOCKO BESNE	5.6	44	.01	59	.03	1375	94	2.80	5.5	0.58	92	0.52	1.87	1990G
BRAEDALE GOLDWYN	TV TL	100-NA	200HO03205	JAMES x STORM	5.9	18	.05	36	.11	194	99	2.63	2.0	3.09	99	2.61	2.70	1988G
END-ROAD O-MAN BRONCO-ET	TR TV	100-NA	7HO08747	O MAN x BW MARSHALL	6.5	51	.03	50	-.01	1428	92	2.97	2.3	1.68	89	1.41	1.57	1984G
LATUCH ORIENT	TV TL	98-1	29HO13706	JET STREAM x BOLIVER	5.6	44	.03	49	.02	1206	92	3.02	2.5	2.03	90	2.43	1.94	1984G
PROBSTLAND ERNESTO	TV TL	100-NA	203HO00376	FORBIDDEN x ADDISON	5.6	33	.07	22	.01	524	98	2.87	2.3	2.57	95	2.68	1.89	1984G
RONELEE RSVP DREAMER-ET	TR TV	100-NA	7HO09446	RSVP x OUTSIDE	5.6	54	.00	68	.01	1811	90	2.76	2.1	1.86	88	1.02	1.65	1983G
RAMOS	BY TV	98-1	11HO08046	RUDOLPH x AMBITION	5.1	15	.05	18	.06	75	99	2.55	6.9	1.18	99	1.00	1.15	1980G
RICECREST OLIVER-ET	TR TV	100-NA	7HO08847	O MAN x CONVINCER	6.1	39	.06	51	.08	799	92	2.71	3.4	0.98	89	0.57	1.17	1979G
RI-VAL-RE 2338 NIAGRA-ET	TR TV	100-NA	7HO08856	BOLIVER x JESTHER	5.5	52	.03	42	-.04	1480	96	2.85	2.3	2.12	91	1.92	0.45	1978G
SCIENTIFIC DESTROY-ET	RC TV	100-NA	94HO13666	GOLDWYN x DURHAM	5.4	7	.09	0	.08	-545	95	2.77	4.3	3.13	88	2.90	2.34	1977G
RALMA GOLD CROWN-ET	TR TV	100-NA	7HO09321	GOLDWYN x O MAN	6.2	38	.07	51	.11	611	96	2.82	2.6	1.74	94	1.07	1.51	1975G
MAR-BIL MARION GRENADE-ET	TV TL	100-NA	14HO05552	MARION x OUTSIDE	5.2	42	-.06	39	-.12	2001	93	2.82	3.0	1.95	92	1.29	1.84	1971G
ENSENADA BOONE PRIMO-ET	TR TV	100-NA	7HO09034	BOONE x AMEL	5.9	67	-.02	71	-.05	2372	93	2.65	2.8	0.73	89	0.10	-0.98	1970G
JOBERT	TV TL	96-1	202HO00127	JOCKO BESNE x MATTIE	5.1	56	.04	62	.03	1502	98	3.13	3.2	1.11	94	1.10	0.68	1970G
SOLID-GOLD COLBY-ET	TR TV	100-NA	7HO07615	OUTSIDE x RUDOLPH	5.4	6	-.04	25	.02	505	99	2.77	5.4	1.99	90	2.10	1.09	1967G
BOMAZ POTTER PLATO-ET	TR TV	100-NA	7HO09173	POTTER x MANAT	5.7	22	-.05	52	.03	1199	93	2.82	5.3	1.39	90	1.89	1.70	1966G
CALVARY LARRY BOY-ET	TV TL	100-NA	14HO05682	LUCKY STAR x BW MARSHALL	5.8	44	-.02	64	.02	1627	91	3.02	-1.1	2.51	89	2.18	2.40	1965G
RABUR PICASSO-ET	TR TV	100-NA	44HO00357	MARION x OUTSIDE	5.4	40	-.05	76	.04	1798	90	2.80	2.9	1.54	86	1.17	1.86	1965G
CRAVE STRATEGIST-ET	TV TL	100-NA	29HO13250	O MAN x BW MARSHALL	6.3	52	.03	76	.09	1422	95	2.90	1.5	1.07	92	0.06	2.47	1964G
BOMAZ OMAN KRAMER 561-ET	TV TL	100-NA	14HO04924	O MAN x ALTAHERSHEL	6.1	40	-.03	59	.00	1584	92	2.89	3.4	1.54	90	0.75	2.73	1963G
CO-OP TOYSTORY PRINCE-ET	TR TV	100-NA	1HO09631	TOYSTORY x O MAN	6.2	51	.07	45	.02	1098	90	3.01	2.8	1.28	86	0.71	2.04	1963G
ARMSON RODRIGO	TV TL	100-NA	29HO13718	TOYSTORY x O MAN	6.3	57	-.01	89	.06	1978	92	3.00	.8	1.35	91	0.28	1.87	1962G
BOMAZ ALTANEUTRON-ET	TR TV	98-1	11HO09744	LANCELOT x RUBYTOM	5.0	49	.02	81	.10	1477	94	3.12	2.5	1.76	91	1.08	0.42	1962G
LUNCREST MILLARD	TV TL	100-NA	29HO13568	SHOTTLE x DURHAM	6.3	15	.04	56	.20	122	94	2.61	3.1	2.24	92	1.93	1.33	1962G
FAR-O-LA BOLVR SAMBO CRI-ET	TV TL	99-1	1HO09051	BOLIVER x TUGOLO	5.5	40	.04	42	.02	978	93	2.75	3.8	0.97	89	0.82	1.05	1961G
MORNINGVIEW ALTATYOYA	TV TL	100-NA	11HO10079	TOYSTORY x ALTAFINLEY	6.6	39	.03	31	-.03	1048	92	2.99	1.7	2.48	89	2.32	1.08	1961G
VEAZLAND MYSTICAL-ET	TV TL	100-NA	14HO05617	BUCKEYE x MORTY	6.4	49	.00	46	-.05	1634	94	2.93	1.1	1.89	93	1.72	2.07	1961G
LYNNCREST O-MAN HANOVER-ET	TR TV	100-NA	7HO08536	O MAN x BW MARSHALL	6.5	58	.04	66	.04	1522	93	2.87	1.8	0.60	89	0.06	2.74	1960G
PINE-TREE MISSY MIDWEST-ET	TR TV	100-NA	1HO08546	O MAN x RUDOLPH	6.0	31	.04	58	.12	698	90	2.59	4.1	0.37	84	0.90	0.02	1959
FUSTEAD GOLDWYN GUTHRIE-ET	TR TV	100-NA	7HO09420	GOLDWYN x BLITZ	6.2	16	.03	33	.09	230	91	2.74	2.6	3.08	89	2.99	1.81	1958G
PINE-SHELTER DIEGO ENCINO	TV TL	100-NA	1HO09426	ENCINO x RUDOLPH	6.1	28	-.02	63	.09	1087	91	2.87	1.9	1.64	87	2.10	1.85	1958G
GOLD-N-OAKS GOLD-MAN-ET	TV TL	99-1	29HO13589	GOLDWYN x JUROR FORD	5.9	6	.04	43	.19	-173	94	2.53	5.0	1.17	92	1.84	1.48	1957G
BALMORAL ALTIMA	TV TL	100-NA	29HO13665	ENCINO x O MAN	6.4	61	-.01	71	-.02	2129	93	2.85	.5	1.62	90	0.56	1.98	1954G
DEBAUGH ELEGANT MANPOWER-ET	TV TL	100-NA	14HO05723	ELEGANT x OUTSIDE	6.3	1	.02	42	.18	-159	88	2.93	5.4	1.83	85	2.47	1.27	1954G

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						PTA	%											
KED OUTSIDE JANCE-ET	TY	100-NA	536HO00322	OUTSIDE x DUSTER	5.9	27	.00	25	-.02	857	90	3.00	6.6	1.82	85	1.09	1.01	1953G
JENNY-LOU SHOTTLE TRUMP-ET	TV TL	100-NA	14HO05434	SHOTTLE x BW MARSHALL	6.5	34	-.07	55	-.03	1766	94	2.75	2.9	2.27	91	1.77	1.27	1952G
KINGS-RANSOM DOVER-ET	TV TL	99-I	29HO13219	LAUDAN x DEBUT	5.5	37	.03	53	.07	918	94	2.68	4.0	1.27	91	1.07	1.46	1952G
LINCOLN-HILL SHOT LASER-ET	TR TV	100-NA	7HO09222	SHOTTLE x ITO	5.9	22	-.03	59	.08	1009	92	2.88	1.8	2.74	90	1.77	2.00	1951G
BO-IRISH ALTON-ET	CV TL	100-NA	29HO10681	ADDISON x MANFRED	5.7	51	.02	50	-.03	1552	99	2.93	3.9	0.87	98	0.85	0.80	1946G
DIAMOND-OAK APPOINT-ET	TV	100-NA	200HO1666	BW MARSHALL x RUDOLPH	6.4	22	.03	40	.08	496	99	2.74	1.1	1.94	97	2.27	2.40	1946G
REGANCREST OMAN INGLES-ET	TR TV	100-NA	7HO09069	O MAN x DIE-HARD	6.0	36	.05	28	.00	756	94	2.82	5.1	0.73	90	0.59	1.48	1944G
LARCREST CHANDON-ET	TV TL	100-NA	29HO13829	BUCKEYE x OUTSIDE	6.4	17	.06	66	.24	68	93	2.80	3.5	1.59	89	1.93	2.55	1943G
ZIMMERVIEW BRITT VARSITY-ET	TR TV	99-I	1HO08927	BRITT x TUGOLO	5.9	13	.03	56	.19	173	94	2.64	6.5	0.60	90	-0.59	1.49	1942G
LET-IT-RIDE JS NEVADA-ET	TV TL	98-I	29HO13683	JET STREAM x JUROR FORD	5.8	40	.07	72	.19	661	94	2.87	.9	1.19	91	1.13	1.68	1941G
MARKWELL FORMULA-ET	TV TL	100-NA	200HO00427	MAGICAL x OUTSIDE	6.1	16	.07	26	.12	-106	95	2.59	5.3	0.74	90	0.71	1.96	1941G
CO-OP OMAN ALABAMA	TV TL	100-NA	1HO09315	O MAN x TEAMSTER	6.0	41	.00	33	-.06	1379	92	2.84	4.5	0.75	89	1.06	0.46	1940G
COYNE-FARMS YACHTSMAN-ET	TV TL	100-NA	29HO13748	SHARKY x ALTAFINLEY	6.0	59	.02	65	.00	1759	93	3.00	2.1	0.61	90	0.34	1.08	1940G
COLDSPRINGS PONDER-ET	TV TL	100-NA	29HO13796	BUCKEYE x O MAN	6.6	24	.07	28	.08	192	92	2.75	2.6	1.93	91	1.87	1.97	1935G
OSBORNDALE JENNINGS-ET	TV TL	100-NA	29HO13715	ELEGANT x OUTSIDE	6.4	43	.01	54	.01	1381	92	3.02	2.5	1.78	90	1.46	0.83	1935G
SCHILLVIEW JET GLUSTO	TV TL	98-I	29HO13826	JET STREAM x O MAN	5.9	32	.08	37	.08	403	90	2.96	4.4	0.70	88	0.96	1.09	1935G
GLENN-ANN PALERMO-ET	TV TL	100-NA	14HO05411	GOLDWYN x RUDOLPH	6.0	23	.05	35	.09	289	94	2.72	1.2	2.98	91	2.56	0.81	1934G
CORDES-MAID STONEWALL-ET	TV TL	100-NA	29HO13553	SHOTTLE x DURHAM	6.2	20	.07	23	.08	80	93	2.69	2.2	2.18	90	1.69	1.89	1931G
KERNDT GABLES	TV TL	100-NA	29HO13343	GOLDWYN x MTOTO	6.2	21	.00	27	.01	666	95	2.53	3.6	1.72	91	1.24	0.86	1931G
MORNINGVIEW ARMSTRONG-ET	TV TL	100-NA	1HO09482	TOYSTORY x O MAN	6.5	25	.02	57	.12	694	90	2.66	1.5	1.96	86	1.43	2.13	1929G
HONEYCREST JSTRM MISSILE-ET	TV TL	98-I	29HO13694	JET STREAM x BOLIVER	5.7	48	.01	58	.01	1507	93	2.98	1.7	1.60	89	2.10	-0.06	1928G
JAUQUET-LANG SURPRISE	TV TL	100-NA	7HO09355	SHOTTLE x DURHAM	6.0	-8	.07	42	.29	-845	96	2.47	2.9	2.54	93	2.85	1.51	1928G
CLEAR-ECHO SCOOP ROBOT-ET	TR TV	99-I	7HO09724	SCOOP x LAUDAN	5.4	32	.03	51	.09	762	90	3.00	2.5	1.67	85	1.98	2.36	1927G
KINGS-RANSOM ALTARENO-ET	TV TL	100-NA	11HO09991	MARION x O MAN	5.6	50	-.01	52	-.04	1742	90	2.87	.5	1.85	87	1.26	3.41	1927G
MORNINGVIEW LEGEND-ET	TV TL	100-NA	29HO11932	O MAN x DURHAM	6.5	45	.12	52	.13	466	95	2.86	2.2	1.29	89	0.31	2.02	1927G
END-ROAD BEACON-ET	TV TL	100-NA	29HO13366	SHOTTLE x BW MARSHALL	6.5	38	.00	47	.00	1274	95	2.82	1.5	1.99	93	1.32	1.40	1926G
TEL-SAL SANDERSON	TV TL	100-NA	29HO13754	ENCINO x O MAN	6.4	47	.04	56	.05	1179	94	3.19	2.0	1.54	92	0.57	3.21	1926G
WINDY-KNOLL-VIEW PHOENIX-ET	TV TL	100-NA	76HO00567	GOLDWYN x OUTSIDE	5.4	12	.06	25	.11	-114	96	2.79	2.7	2.62	92	2.28	2.26	1926G
COLDSPRINGS OWEN 9344	TR TV	98-I	7HO08925	LANCELOT x BW MARSHALL	5.6	28	.04	40	.08	539	92	2.73	2.3	1.60	89	1.89	1.24	1925G
LATUCH ELEGANT TORO-ET	TR BY	100-NA	7HO09511	ELEGANT x BOONE	6.4	22	-.01	71	.15	809	92	2.54	3.1	1.33	90	1.62	1.15	1924G
RI-VAL-RE ELEGANT DICEO-ET	TV TY	100-NA	1HO09466	ELEGANT x GARTER	6.2	34	-.01	40	-.02	1254	88	2.88	2.9	1.72	85	2.06	1.19	1923G
COLDSPRINGS PICKFORD-ET	TV TL	100-NA	29HO13797	BUCKEYE x O MAN	6.6	14	.10	20	.13	-358	91	2.67	2.9	1.96	87	2.36	1.42	1922G
KINGS-RANSOM P RICHMAN-ET	TR TV	100-NA	7HO09030	POTTER x MOE	5.6	14	-.05	23	-.04	908	92	2.78	4.9	2.41	89	2.72	1.93	1921G
COURTLANE-ML MARSH CODY-ET	TR TV	100-NA	203HO01105	BW MARSHALL x JOLT	6.5	38	-.04	28	-.12	1649	99	2.68	1.2	2.04	93	1.20	2.05	1920G
KELLERCREST BRET LES CRI-ET	TV TL	100-NA	1HO08631	BRET x MANFRED	5.7	19	.04	8	-.01	273	94	2.67	6.0	0.83	91	1.54	0.29	1920G
RALMA GOLDWYN COACH-ET	TR TV	100-NA	7HO09456	GOLDWYN x O MAN	6.2	11	.02	16	.04	150	91	2.79	3.7	2.82	88	2.28	2.34	1920G
PHIL-RU POTTER ROLAND-ET	TR TV	100-NA	7HO08946	POTTER x DURHAM	6.3	23	-.09	22	-.13	1612	93	2.77	4.7	1.76	90	1.55	1.35	1919G
WA-DEL JUNCTION-ET	TV TL	100-NA	29HO11942	O MAN x CONVINCER	6.0	34	.06	66	.16	637	95	2.90	3.0	0.47	90	0.16	1.38	1918G
BEER-CREST BREMER ADRIAN	TV TL	100-NA	29HO13359	MAGICAL x OUTSIDE	6.0	21	.02	34	.06	519	95	2.81	4.6	1.33	91	1.24	1.87	1917G
SANDY-VALLEY GLORFINDEL	TY	99-I	200HO02308	BUCKEYE x LANCELOT	6.1	32	-.01	31	-.04	1171	91	2.89	3.2	1.19	88	1.49	1.12	1916G

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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	RC TV	% RHA	NAAB #	SIRE/MGS	EPI	PROTEIN		PTA	% FAT	PTAM	% R	SCS	PL	PTAT	% R	UDC	FLC	TPI
						PTA	%											
KHW ELM-PARK ACME-ET	TV TL	100-NA	151HO00477	TALENT x DURHAM	5.8	18	.07	28	.11	19	97	3.10	3.4	2.83	95	3.21	1.58	1914G
WELCOME EVANGELICA	TV TL	99-1	1HO09509	TOYSTORY x GARTER	5.8	36	.03	26	-.03	917	90	2.86	3.6	1.29	87	1.27	1.68	1914G
EMERALD-ACR-SA T-BAXTER	B/R TV	100-NA	11HO08195	BLITZ x MTOTO	6.7	27	-.09	68	.01	1773	99	2.93	4.4	2.00	99	1.45	1.93	1913G
RALMA FOCUS-ET	BY TV	100-NA	29HO11993	O MAN x DURHAM	6.5	20	.00	23	.00	666	95	2.61	3.8	1.27	91	1.42	1.09	1913G
RAN-RUE COASTAL-ET	TV TL	100-NA	29HO13062	O MAN x TABOO	6.3	16	.09	42	-.20	-254	93	2.84	4.5	0.82	90	1.84	1.66	1912G
WOODMARSH TOPSHOT-ET	TV TL	100-NA	29HO12554	SHOTTLE x RUDOLPH	6.3	25	-.01	63	.11	947	93	2.71	2.9	1.57	91	1.48	-0.09	1911G
BEYERCREST ALTATHRONE-ET	TV TL	100-NA	11HO09895	SHOTTLE x ALTATHRONE	6.2	21	-.01	18	-.05	830	91	2.78	3.7	2.22	88	1.90	2.33	1910G
COLDSPRINGS PRENTICE-ET	TV TL	100-NA	29HO13536	GOLDWYN x O MAN	6.2	12	-.01	47	.11	500	93	2.53	2.9	2.23	90	1.80	2.88	1910G
JARDIN	TV TL	95-1	204HO05010	JOCKO BESNE x TONIC	4.6	64	.12	54	.06	1009	96	3.05	1.1	1.31	94	0.89	0.94	1910M
KINGS-RANSOM REEVIE-ET	TR TV	100-NA	7HO09491	MARION x O MAN	5.6	54	-.01	50	-.07	1936	90	2.98	-2	1.48	88	0.81	3.12	1910G
LADYS-MANOR RUBY D SHOUT-ET	TV TL	100-NA	29HO13387	SHOTTLE x DEBUT	6.0	33	.01	55	.07	974	96	2.76	1.7	2.14	93	1.49	1.43	1910G
REGANCREST-BH TS DELON-ET	TV TL	100-NA	29HO13883	TOYSTORY x DURHAM	6.6	16	-.06	22	-.06	1031	92	2.81	2.1	2.56	89	2.76	1.41	1910G
STOL JOE	TV TL	97-1	257HO060563	JOCKO BESNE x MANFRED	5.4	59	.07	42	-.02	1335	95	2.94	2.2	1.62	94	0.78	1.42	1909G
LISMORE DIETER-ET	TV TL	100-NA	29HO13842	TOYSTORY x ALTATHRONE	6.5	44	.01	47	-.01	1362	90	3.15	1.2	1.66	85	1.79	0.55	1908G
BOMAZ BUCKEYE BELTER-ET	TR TV	100-NA	7HO09550	BUCKEYE x MARATHON	6.0	43	-.03	21	-.15	1742	92	2.94	3.0	1.51	90	1.95	1.45	1906G
MACOMBER O-MAN BOGART	TR TV	100-NA	7HO08559	O MAN x LOUIE	6.1	20	.06	39	.13	169	92	2.78	3.2	1.18	88	1.17	2.09	1906G
SCHUG DUCE LARIAT CRI-ET	TV TL	100-NA	1HO09085	DUCE x BOONE	6.0	34	-.01	61	.06	1225	92	2.78	4.0	0.96	89	1.13	0.59	1906G
GOLD-N-OAKS GONE-GOLD-ET	TR TV	99-1	7HO09424	GOLDWYN x JUROR FORD	5.9	21	.04	36	.09	329	96	2.71	2.5	2.12	92	1.47	1.77	1905G
WILLOW-MARSH-CC GABOR-ET	TR TV	100-NA	7HO08477	ALTAFFINLEY x CONVINCER	6.1	35	-.07	25	-.15	1801	93	2.87	2.9	2.45	90	1.83	0.86	1905G
RA-MAR-LAND O PHANTOM-ET	TV TL	100-NA	14HO05177	O MAN x ADDISON	5.7	44	.02	40	-.02	1272	92	3.00	2.6	0.87	90	0.99	1.86	1904G
REGAN-ALH DRAGON-ET	TY	100-NA	200HO05668	GOLDWYN x O MAN	6.2	18	.10	12	.00	-289	92	2.80	3.7	1.97	91	1.68	2.87	1904G
MASCOL-ET	TV TL	100-NA	204HO01748	MTOTO x RUDOLPH	6.3	34	.09	47	.13	339	98	2.64	4.3	0.72	97	0.69	0.54	1903G
END-ROAD SHOTTLE MICAH-ET	TV TL	100-NA	14HO05300	SHOTTLE x TEAMSTER	6.0	32	-.05	42	-.05	1515	94	2.79	2.4	1.77	92	1.29	1.10	1900G
PENN-ENGLAND EZEKIEL-ET	TR TV	100-NA	7HO09393	MANAGER x TITANIC	6.0	19	.05	12	.01	229	89	2.68	2.2	2.38	87	2.73	1.64	1900G
TYHILL BUCKEYE B OLIVER	TV TL	100-NA	14HO05751	BUCKEYE x ALTATHRONE	6.1	35	.04	38	.04	765	92	2.78	3.2	1.38	90	1.49	1.67	1900G
WINDING-BROOK JOCK MASON-ET	TR TV	97-1	7HO09230	JOCKO BESNE x BLITZ	5.3	15	.02	46	.13	313	96	2.92	6.0	0.83	92	0.68	2.28	1900G
PINE-TREE ALBLACKWEL	TV TL	100-NA	11HO10001	BOLIVER x O MAN	5.7	32	.01	65	.11	964	92	2.70	4.8	0.44	89	0.42	-0.90	1899G
SPRINGWAY CARUSO-ET	TR TV	100-NA	7HO08866	O MAN x ADDISON	6.0	39	.03	19	-.07	1066	95	2.77	.4	1.85	91	1.37	2.55	1899G
HAMMER-CREEK GOLD KOLTON-ET	TV TL	100-NA	14HO05399	GOLDWYN x ZADE	6.2	14	-.03	26	.00	696	91	2.62	2.1	2.45	90	2.26	1.72	1898G
PINE-TREE MARTHA SHAMPOO-ET	TV TL	100-NA	1HO09208	SHOTTLE x O MAN	6.2	18	.04	46	.14	247	94	2.58	3.0	1.80	90	0.96	0.69	1898G
ZIMMERVIEW SHOTTLE JT-ET	TV TL	100-NA	1HO09123	SHOTTLE x GRANGER	5.9	43	-.02	58	.00	1605	92	2.79	2.1	1.03	89	0.98	0.06	1897G
CLOVEREDGE TOY DAMON CRI-ET	TV TL	100-NA	1HO09639	TOYSTORY x LYNCH	5.9	49	.04	39	-.02	1243	90	2.98	.5	1.53	86	0.45	2.15	1896G
REGEL-ROW MERRILL	TV TL	100-NA	29HO13808	BOLTON x O MAN	6.3	24	.00	52	.09	781	90	2.63	1.6	1.91	85	1.79	1.14	1896G
BDG GENETICS ENERGY CRI-ET	TY	100-NA	1HO09602	MASCOL x BW MARSHALL	6.4	34	.00	58	.06	1143	91	2.83	1.0	2.11	88	1.58	2.56	1895G
WA-DEL HAYDEN-ET	TV TL	100-NA	29HO11909	O MAN x MTOTO	6.6	35	.02	52	.06	960	96	2.59	3.4	0.62	90	0.71	1.73	1895G
LUTZ-BROOKVIEW BEVAN	TV TL	100-NA	6HO01046	BOLIVER x ITO	5.6	15	.02	47	.14	309	92	2.63	4.6	1.38	89	1.65	0.15	1894G
VISION-GEN MAURY-ET	TV TL	100-NA	29HO13291	O MAN x BW MARSHALL	6.8	44	.01	38	-.04	1333	95	2.79	3.0	1.22	93	0.64	2.75	1894G
WILLEMS-HOEVE RUSH	TY	99-1	11HO09939	SHOTTLE x JESTHER	5.8	17	-.06	20	-.07	1071	93	2.62	3.4	2.30	89	2.55	1.86	1894G
WINDY-KNOLL-VIEW PAULSON-ET	TV TL	100-NA	29HO13461	GOLDWYN x OUTSIDE	5.4	1	.02	22	.10	-108	94	2.62	2.5	2.76	92	2.20	2.13	1893G
ALL-RIEHL PRINCE-ET	TV TL	100-NA	11HO08801	ALTATHRONE x OUTSIDE	5.9	14	.07	13	.07	-118	96	2.57	3.4	1.50	91	1.07	2.17	1892G

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Name	TV TY	% RHA	NAAB #	SIRE/MGS	PROTEIN		FAT		PL	SCS	PL	PTAT %R	UDC	FLC	TPI
					EFI PTA %	PTA %	PTAM %R	SCS							
BURLANE TENNYSON	TV TY	100-NA	29HO12398	GORDON x MTOTO	6.1	43 -01	58 .01	1513 93	2.82	2.0	0.92	86	0.88	0.07	1890G
ENGLAND-SCHILL DEANN 58A-ET	TV TL	100-NA	1HO08827	MTOTO x DUSTER	6.7	16 -02	17 -03	701 99	2.58	3.6	2.09	89	1.76	2.11	1890G
KINGS-RANSOM RMS DESPAIR-ET	BY TV	99-I	1HO08824	RAMOS x ADDISON	5.1	12 .12	1 .09	-608 94	2.67	5.1	1.07	89	1.75	1.61	1889G
RIDGE-STAR JAMMER-ET	TV TL	100-NA	29HO10483	EARL x ZEBO	5.2	27 .03	58 .13	663 99	2.94	3.0	1.49	99	1.83	1.37	1889G
SOUTHLAND ALTATRIGGER	TY	100-NA	11HO09879	GOLDWYN x O MAN	5.9	23 .06	50 .15	255 92	2.75	1.0	2.04	90	1.68	1.94	1889G
CLEAR-ECHO ALTRIANGLE-ET	TV TL	100-NA	11HO09978	FBI x BOLIVER	6.1	47 -04	46 -09	1975 91	2.80	-9	2.17	89	2.37	0.87	1888G
RUPLAND JTSTREAM DEMETER-ET	TV TL	98-I	29HO13762	JET STREAM x OUTSIDE	5.6	42 .02	62 .06	1247 93	2.84	1.8	1.47	91	0.95	0.71	1888G
R-E-W SANTANA-ET	TV TL	100-NA	7HO08762	O MAN x DURHAM	6.4	29 .12	58 .23	-78 96	2.82	3.1	0.75	92	0.07	1.21	1887G
GRAN-J ENCINO STR-SAUL	100-NA	100-NA	1HO09449	ENCINO x O MAN	6.2	60 .04	62 .01	1624 90	2.79	1.6	0.52	87	0.02	-0.21	1886G
MORNINGVIEW APPRENTICE-ET	TR TV	100-NA	7HO09679	TOYSTORY x O MAN	6.5	25 .06	21 .04	301 92	2.71	1.6	2.52	87	2.14	2.49	1886G
SANDY-VALLEY CLUE-ET	RC TV	100-NA	7HO09555	FBI x SEPTEMBER STORM	6.0	31 .05	36 .05	628 88	2.70	3.2	1.13	85	0.88	1.14	1885G
CLOVEREDGE TOY DENNY CRI-ET	TV TL	100-NA	1HO09638	TOYSTORY x LYNCH	5.9	36 .02	55 .06	1051 91	3.02	-1	1.97	88	1.12	1.49	1884G
BOMAZ KALAHARI 544-ET	TV TL	100-NA	14HO04878	ALTAFFINLEY x RUBYTOM	5.8	13 -03	40 .05	700 94	3.15	3.6	1.89	91	2.08	0.94	1883G
COOK-FARM SKYLINE	TV TL	100-NA	29HO13669	ELEGANT x O MAN	6.8	16 .05	39 .13	135 92	2.88	4.1	0.94	91	1.83	1.18	1883G
LOT-O-ROK OMAN JAKE-ET	TV TL	100-NA	14HO04916	O MAN x BW MARSHALL	6.7	43 .04	68 .11	1060 93	2.98	1.3	0.81	90	0.61	1.52	1883G
COYNE-FARMS DUCE YEN	TV TL	100-NA	29HO13360	DUCE x ALTAFFINLEY	6.1	39 -01	31 -08	1430 93	2.90	2.9	1.13	89	1.63	0.73	1882G
LUTZ-BROOKVIEW TOBY B-ET	TV TL	100-NA	1HO09438	BUCKEYE x BOLIVER	6.1	53 .00	45 -07	1745 91	2.89	2.4	1.30	88	0.96	1.13	1882G
H-R-S TREDWAY WILK-ET	TV TL	100-NA	14HO05016	TREDWAY x RUDOLPH	5.6	21 -03	39 .01	1004 94	2.80	4.8	0.80	92	0.67	1.61	1881G
HALO TOYSTORY DAVIS	TV TL	100-NA	14HO05647	TOYSTORY x OUTSIDE	6.4	40 -08	69 -03	2095 93	3.00	1.7	1.55	90	1.37	0.34	1880G
JEFFREY-WAY TEMPTING-ET	TY	100-NA	200HO02243	BUCKEYE x CONVINCER	6.4	27 -03	25 -07	1173 94	2.92	2.9	1.82	92	2.54	1.49	1880G
PARADISE-R FRANCHISE	TV TL	100-NA	7HO08494	O MAN x BW MARSHALL	6.6	45 .04	51 .03	1153 95	2.61	3.0	0.09	91	0.25	1.17	1880G
UFM-DUBS OMEGA-ET	TV TL	100-NA	29HO13656	ELEGANT x O MAN	6.6	28 .02	53 .10	753 92	2.81	1.2	1.73	89	1.54	1.27	1880G
DE-SU MOTIF-ET	TV TL	100-NA	29HO13454	SHOTTLE x O MAN	6.5	19 -03	47 .05	899 93	2.73	3.0	2.11	91	1.81	0.23	1879G
LADYS-MANOR MARCELLUS-ET	TV TL	100-NA	1HO08812	BOLIVER x BW MARSHALL	5.9	43 .00	32 -08	1457 98	2.72	2.7	1.19	92	0.90	-0.12	1879G
MR MILLION MEGA-MAN-ET	BY TV	100-NA	29HO11647	OUTSIDE x CONVINCER	5.5	28 -09	23 -14	1691 99	2.69	4.8	1.26	94	1.19	0.77	1879G
ALL-RIEHL PAXTON-ET	TV TL	100-NA	14HO04876	O MAN x RUDOLPH	6.1	35 .03	23 -03	868 93	2.75	3.8	0.59	90	0.15	0.73	1878G
MATT-DARI ELEGANT DION-ET	TV TL	100-NA	14HO05676	ELEGANT x OUTSIDE	6.3	35 -06	37 -09	1713 92	3.03	2.4	2.20	91	2.10	0.25	1878G
MINNIGAN-HILLS PRESIDENT-ET	TR TV	100-NA	7HO09257	SHOTTLE x BW MARSHALL	6.5	18 .06	49 .18	36 92	2.68	2.0	2.01	87	1.89	1.25	1878G
JOTAN-RED-ET	TV TL	100-NA	202HO00290	JORDAN-RED x DURHAM	4.8	18 .11	33 .18	-348 94	3.02	3.2	1.97	88	2.07	3.05	1877M
VATLAND CHAMPION MICHELOB	TV TL	100-NA	14HO04826	CHAMPION x MATTIE	6.0	26 .00	28 -01	829 91	2.70	4.5	0.81	83	1.16	0.49	1877
WA-DEL RICE ENCINO HANS-ET	TR TV	100-NA	7HO09509	ENCINO x STORMATIC	6.3	22 .02	20 .00	559 90	2.93	2.1	1.93	87	1.90	2.69	1877G
NAVS ALTAFRANCO-ET	TV TL	100-NA	11HO09808	SHOTTLE x ALTATHRONE	6.2	8 .03	20 .07	48 93	2.66	1.6	2.66	90	2.52	1.98	1876G
RHOMAN-WAI O-MAN OLIVER-ET	TR TV	100-NA	7HO08913	O MAN x BW MARSHALL	6.3	32 .07	34 .06	478 92	2.77	3.2	0.66	88	0.38	3.02	1876G
VOIGHT-ACRES ALTAVETO	TV TL	100-NA	11HO09813	O MAN x RUDOLPH	5.9	31 -01	43 .01	1126 91	2.67	5.2	-0.46	88	-0.97	0.67	1876G
BOMAZ LANCELOT LARRY-ET	B/R TV	98-I	7HO08990	LANCELOT x RUBYTOM	5.0	49 .02	79 .10	1422 93	2.99	3.0	0.10	90	-0.34	-0.23	1875G
PINE-TREE ALTAGLENCOE-ET	TY	99-I	11HO10186	ELEGANT x LANCELOT	6.0	22 .03	29 .04	497 90	2.92	2.1	2.16	85	2.67	1.29	1875G
SAN FIORANO STEP FIBRAX	TM TV	95-I	210HO0107	ZANI PATRON STEP x TUGOLO	5.6	35 .07	31 .04	581 93	3.02	2.5	1.30	87	1.82	1.48	1875G
COMESTAR LAUTHORITY-ET	TL TY	100-NA	200HO05588	GOLDWYN x IGNITER	6.1	17 .02	33 .07	398 90	2.95	.7	3.24	85	2.46	2.03	1874G
LEIF	TV TL	97-I	204HO01705	LUKAS x ZACK	5.1	10 .06	43 .19	-177 95	2.57	4.1	0.79	91	1.21	1.53	1874G
PINE-TREE ALTAOSOFINE	TV TL	100-NA	11HO09898	O MAN x ALTAFFINLEY	6.2	25 .01	52 .09	765 91	2.69	4.0	0.80	89	1.21	-0.64	1874G
RJR CORAZONE-ET	TV TL	100-NA	29HO13813	BOLTON x OUTSIDE	5.8	40 -02	60 .02	1492 91	2.89	2.5	1.57	86	1.13	1.11	1874G