

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	M&S ARBYS MAYFIELD AMIGO-ET	USA 142371415						
200HO03155	M&T MAPLE-LAWN ZINC-ET	USA 122056640						
11HO33048	M-GEE SANCHO-IMP-ET	AUS H01592244						
29HO00745	M-JAYBEE CENTAUR-RED	USA 2099350	C					
	M-JAYBEE DOVER 5130 10008	USA 70642833						
	M-JAYBEE GERARD 5201 10002	USA 70642827						
	M-JAYBEE MC 5352 10016	USA 70642841						
	M-JAYBEE MCCORM 3572 10011	USA 70642836						
	M-JAYBEE MCCORM 5034 10023	USA 70642848						
	M-JAYBEE RANCH 4811 10046	USA 70642871						
	M-JAYBEE SMORE 7288 10043	USA 70642868						
	M-JAYBEE SMORE 7452 10045	USA 70642870						
14HO04620	M-M-PARTNERS TM KAYPIT-ET	USA 61410407						
1HO02599	M-PONDHILL AIRRAID LOREN-ET	USA 64632067						
1HO02628	M-PONDHILL AIRRAID LOWELL	USA 64632106						
	M-PONDHILL AL HAYDEN	USA 69258143						
1HO02685	M-PONDHILL BOLTON LARRY-ET	USA 65438719						
1HO08796	M-PONDHILL BRET DONDE	USA 136327538						
	M-PONDHILL CLCO SALUTE 5015	USA 72052932						
	M-PONDHILL CM 4836 SAM	USA 71584379						3
	M-PONDHILL GOLDWYN LEROY-ET	USA 66331213						
	M-PONDHILL LRGE MARTIN 4978	USA 71584521						
	M-PONDHILL MITEY CALHOUN-ET	USA 69258235						1
	M-PONDHILL NIAGRA KINGSLEY	USA 69816588						
	M-PONDHILL PLANET LON-ET	USA 66331174					C	
1HO10052	M-PONDHILL PLANET LONZO-ET	USA 66331219						
	M-PONDHILL ZENITH DAVE	USA 65438745						
1HO08153	M-ROHE DAIRY BILL-TW	USA 50459707						
7HO04046	M-TEX BLACK DIAMOND-ET	USA 2126089						
	MACABOB DADDY-D AL PLAN	USA 141879170						
	MACABOB JAKE DAKKER-RED-ET	USA 143064127						
	MACABOB OBSERV CRUSH 664-ET	USA 141923637						
	MACABOB OBSERVER ALLEN-ET	USA 141871033						
202HO00857	MACARENO-ET	DEU 354097949						3
200HO07445	MACHO-ET	NLD 534452728	C	C				
	MACLAND CULBY	USA 139532407						
	MACLAND DAMARIS DOMINANT	840003133728745						
	MACLAND DUSK JUSTICE-RED-ET	840003012283058						1
	MACLAND HF RAMSES-ET	840003126134480						
	MACLAND HF RAZOR-ET	840003126134484						
	MACLAND JULIAN-RED-ET	USA 139717796						
	MACLAND LOVE JETER-RED-ET	840003012283057						
	MACLAND LOVE JULIAN-RED-ET	840003012283056						1
	MACLAND MT WESTWARD 363	840003012283112						
200HO05962	MACO FRED-ET	CAN 104688673						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO04737	MACO PHOENIX-ET	CAN 8328646						
200HO04483	MACO SCOTTY	CAN 8150222						
	MACO STANDARD-ET	CAN 8328650			C			
14HO02799	MACOMBER LUKE BRUNO	USA 2296563						
	MACOMBER MILLION BENTLEY-ET	USA 140553675						
	MACOMBER NIAGRA TONKA	USA 140967140						
7HO08559	MACOMBER O-MAN BOGART	USA 135257546			C			
14HO05063	MACOMBER SOSA CULVER-ET	USA 135978423						
	MACPES ADELARD	CAN 8007138						
73HO01835	MACPES AMADEUS	CAN 5325318					C	
	MACPES HADDOCK-ET	CAN 5865461						
200HO03920	MACPES LONIC-ET	CAN 107805989						
	MACPES MATISSE-RED-ET	CAN 6372507						
21HO01804	MACY-L EMPEROR-ET	USA 2076053						
9HO02235	MACY-L LUXOR-ET	USA 2269515						
21HO01561	MACY-L MARK HIGH TEST-ET	USA 2034818	C					
1HO04616	MACY-L MASCOT JEFF-ET	USA 2208089						
	MAD MAX-ET	DEU 354587069						
	MAD-WOLF JOSPR CHRISTOPH-ET	840003131563547						
	MAD-WOLF JOSUPER NAMATH-ET	USA 73959384						
	MAD-WOLF MNTRSS FRANK-ET	USA 73959240						
	MAD-WOLF MONTROSS ERIC-ET	USA 73959148						
39HO00246	MADAWASKA AEROSTAR	CAN 383622						
39HO00684	MADAWASKA WELCOME	CAN 6345761						
	MADISON ANGELUS-ET	CAN 7258640						
11HO08406	MADMANN DIAMOND-ET	CAN 8298524						
11HO07796	MADMANN MANIAC-ET	CAN 8298520						
73HO02608	MADYSTAR ABDULLA-ET	CAN 6241053						
73HO02582	MADYSTAR ALLEGRO-ET	CAN 6164994						
71HO01519	MADYSTAR AMADEUS-ET	CAN 6241050						
	MADYSTAR ARCHIMEDE-ET	CAN 6164992						
	MADYSTAR ARIZONA-ET	CAN 6164991						
73HO02264	MADYSTAR MAGIC TOC	CAN 5809572						
200HO04828	MAGEBER GENTIL-ET	CAN 9139792						
	MAGEBER GLORIEUX-ET	CAN 9139791						
196HO07569	MAGISTO-RED-ET	CHE714290127645	C					
	MAGLIANA ABANTU-ET	ITA 4902501248						
	MAGNUM 9748 TE DEBOIS SEIGNEUR	BEL 97203065052						
200HO07321	MAGOR BAROQUE ALLEN-ET	HUN 3250510837						
	MAGOR BARTER AEROWOOD-ET	HUN 3250509075						
	MAGOR BICEPS ALLEN	HUN 3250508919						
200HO07316	MAGOR BOHEM ALLEN-ET	HUN 3250511405						
200HO07317	MAGOR BOLIVIA ALLEN-ET	HUN 3250511195						
200HO07318	MAGOR BONANZA ALLEN-ET	HUN 3250510743						1
200HO07319	MAGOR BONUS ALLEN-ET	HUN 3036563516						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO07354	MAGOR ELASTIC-ET	HUN 3250559777					C	
200HO07348	MAGOR EMERGENCE-ET	HUN 3250557036						
200HO07349	MAGOR EQUALIZER-ET	HUN 3250557207						
200HO07347	MAGOR ESSENCE-ET	HUN 3250553584						1
200HO07345	MAGOR EXCEPTION-ET	HUN 3250553414						1
200HO07352	MAGOR EXPENSE-ET	HUN 3250559304						
200HO07346	MAGOR EXTREME-ET	HUN 3250553469						1
200HO07375	MAGOR FACE-ET	HUN 3035045222						
200HO07377	MAGOR FARADAY-ET	HUN 3035045626						
200HO07379	MAGOR FINANCIAL-ET	HUN 3250566171						
	MAGOR FLAMENCO-ET	HUN 3250566188						
	MAGOR GENIUS-ET	HUN 3035049178						
200HO07418	MAGOR HUNGRY ALADDIN-ET	HUN 3250587956						
200HO07436	MAGOR INOX-ET	HUN 3323200025					C	
200HO07468	MAGOR JEFFERSON-ET	HUN 3323210536						
200HO07442	MAGOR JUSTICE-ET	HUN 3323206009	C					
200HO07495	MAGOR KOMONDOR-ET	HUN 3323215632			C			
200HO07841	MAGOR MOJITO-ET	HUN 3323237542						1
	MAHDEEN POLICE-ET	CAN 6499980						
	MAHDEEN POWHATAN-ET	CAN 6229679						
14HO04959	MAHONEY BEST DAKOTA-ET	USA 52542008						
	MAHONEY DRAKE-ET	USA 17098956						
	MAIN-DRAG MAIN 12089-ET	840003013614226						
	MAIN-DRAG ME 12090-ET	840003013614227						
	MAIN-DRAG ME 12113-ET	840003126700032						
	MAINE-ACRES FIELDMAN-ET	USA 2183782						
11HO09588	MAINSTREAM ALTASOCAL	USA 136162083						
44HO00352	MAINSTREAM BLVR MATADOR-ET	USA 136343453						
7HO11776	MAINSTREAM BOOK CHACE-ET	USA 141556167		C				
	MAINSTREAM BOOK CHANCE-ET	USA 141556158						
200HO00526	MAINSTREAM CHEROKEE-ET	USA 138893235						
	MAINSTREAM CONSTABLE-ET	USA 137740936						
	MAINSTREAM CROWN-ET	USA 136868493						
	MAINSTREAM DAY CHRISTIAN-ET	840003012136189						
	MAINSTREAM DEFENDER CRUSHER	840003012136198						
	MAINSTREAM EM CREIGHTON-ET	USA 141871967						
1HO10681	MAINSTREAM EM CYPRUS-ET	USA 141329312						
200HO00403	MAINSTREAM FREEDOM-ET	USA 136239060						
	MAINSTREAM HALGN CUTTER	840003012136193						
	MAINSTREAM HL CLAY	840003012136169						
200HO00596	MAINSTREAM JAGR	USA 139815449						
	MAINSTREAM L CHRISTOS	USA 142259568						
	MAINSTREAM LITHIAM CRUISE	840003012136172						
29HO11718	MAINSTREAM MACHO-ET	USA 134488776						
7HO09198	MAINSTREAM MAGIC CARBON	USA 137189340						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO00170	MAINSTREAM MAGICAL-ET	USA 128749834						
200HO00281	MAINSTREAM MAITLAND	USA 60003307						
200HO00402	MAINSTREAM MANIFOLD	USA 135747713			C			
200HO00418	MAINSTREAM MARMOT-TW	USA 136493943						
	MAINSTREAM MAYFIELD CARTER	840003012136160			C			
	MAINSTREAM MCCORM CRUNCH	USA 140839674						
39HO00693	MAINSTREAM MIRROR	USA 2287717						
	MAINSTREAM MOHAWK-ET	USA 134173487						
	MAINSTREAM MONOHAN-ET	USA 134486206						
7HO09469	MAINSTREAM MORRISON-ET	USA 137786686						
7HO07602	MAINSTREAM MT MAVEN	USA 132516835						
	MAINSTREAM NIAGRA CONDOR	USA 140839656						
203HO01282	MAINSTREAM OB CAVALIER-ET	USA 141026929						
7HO11417	MAINSTREAM OB COLSTON-ET	USA 141026901						
	MAINSTREAM PATRICK-ET	USA 60003297						
7HO10834	MAINSTREAM PLANET CENA	USA 140206939		C				
7HO10521	MAINSTREAM PLANET MATISSE	USA 139664276						
73HO02383	MAINSTREAM PRINCETON-ET	USA 2233715	C					
29HO10312	MAINSTREAM PROSPECT-ET	USA 129076681						
7HO09702	MAINSTREAM PT MALLON	USA 138399348						
	MAINSTREAM SHAN CRUISER-ET	840003012136176						
7HO06669	MAINSTREAM WIN PAYDIRT-ET	USA 128165250						
	MAINSTREAM YODER CHANCELLOR	USA 143367341						
	MAINSTREAM-RS CLOUD-ET	USA 141435202						
	MAINSTREAM-RS GAL MUSTAFA	USA 141774242						
	MAINSTREAM-RS MAYNARD-ET	USA 141164483						
	MAINSTREAM-RS MGL MADDIX-ET	840003012136161						
	MAINSTREAM-RS ML MAJOR-ET	USA 141937339						
	MAINSTREAM-RS ML MAXIMUM-ET	USA 141937320						
	MAINSTREAM-RS ML MAXWELL-ET	USA 141937302						
	MAINSTREAM-RS ML MCWHITE-ET	USA 141937311						
	MAINSTREAM-RS ML MURPHY-ET	USA 142259616						
	MAINSTREAM-RS MSSY MYCAH-ET	USA 142333996						
	MAINSTREAM-RS MSSY MYLES-ET	USA 142334009						
	MAINSTREAM-RS MX MARTIN	USA 142334018						
	MAINSTREAM-RS SD MAYFAIR-ET	USA 142075702						
11HO03243	MAIZEFIELD BELLWOOD-ET	USA 2103297						
14HO03011	MAIZEFIELD RICK TAYLOR-ET	USA 17200714						
11HO04795	MAIZEFIELD VKDALE BUTKUS	USA 17006588	C					
202HO00858	MAJESTIC	NLD 893818917						
94HO12740	MAJESTIC LIQUEUR-ET	GBR 636295					C	
	MAJESTIC-MANOR B BESTMAN-ET	USA 68858009						
566HO01193	MAJESTIC-MANOR BARNSTORM-ET	USA 68858027						
21HO00767	MAJESTIC-MANOR BELLBOY	USA 1891409						
566HO01248	MAJESTIC-MANOR BIGBANG-ET	USA 68858046						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAJESTIC-MANOR BIGSCOOP	USA 63640947						
	MAJESTIC-MANOR BLT BUENO-ET	USA 68858006						
	MAJESTIC-MANOR BOLT BIEN-ET	USA 68858005						
1HO04663	MAJESTIC-MANOR BRIGADIER-ET	USA 2224798						
14HO06593	MAJESTIC-MANOR BWSR BETA-ET	USA 68858008						
	MAJESTIC-MANOR BWSR BETS-ON	USA 68858007						
	MAJESTIC-MANOR JET BLAZE	USA 63640944						
	MAJESTIC-MANOR JETBLACK-ET	USA 60881396						
1HO09532	MAJESTIC-MANOR JETBLUE-ET	USA 60881389						
1HO02612	MAJESTIC-MANOR JN BREMEN-ET	USA 63640943						
	MAJESTIC-MANOR LABRON MYRON	USA 68858043						
	MAJESTIC-MANOR LCN BLUMOON	USA 68858034						
	MAJESTIC-MANOR MITP BETS ON	USA 68858023						
1HO08746	MAJESTIC-MANOR O BEDROCK-ET	USA 60881431			C			
1HO08747	MAJESTIC-MANOR OM BEACON-ET	USA 60881433						
	MAJESTIC-MANOR SB BEGGAR-ET	USA 68858011						
14HO05784	MAJESTIC-MANOR SC BENCHMARK	USA 61972970						
	MAJESTIC-MANOR SHOT BRISTOL	USA 63640946						
	MAJESTIC-MANOR TG BELAIR-ET	USA 68858014						
	MAJESTIC-MANOR VANGUARD-ET	USA 63640940						
	MAJESTIC-MDW SAMSON 6106-ET	840003007022016					C	
	MAJESTIC-MDW STARKY 6110-ET	840003007022020					C	
200HO04767	MALANSER RONNY	CAN 10770869		C				
200HO05000	MALANSER ROXMAN	CAN 9326850						
200HO10415	MALIC PONDE MINER-ET	CAN 109133155					C	
	MALIROU MISTERCRAT-ET	CAN 403446						
	MALIROU TALENT-ET	CAN 402991						
	MALOYA BEAUJOLAIS-ET	CAN 5504143		C				
	MALOYA BENEFIT-ET	CAN 5574564						
	MALOYA BRUNO-ET	CAN 5488517		C				
	MALOYA LATITUDE-ET	CAN 5476157						
	MALOYA LAZER-ET	CAN 5500345						
73HO02091	MALOYA LEO-ET	CAN 5524122						
73HO02053	MALOYA LONDON-ET	CAN 5424987						
	MALOYA TERMINATOR-ET	CAN 5452067		C				
11HO04978	MAM-HOLLYWOOD CELSIUS DEBOY	USA 17170715						
11HO05333	MAM-HOLLYWOOD MONDAY	USA 18024591						
	MAMMOTH-SPRING AMERICA II	USA 69360418						
204HO00463	MANAGER-ET	DEU 345515580						
202HO00016	MANAT-ET	DEU 830287						
76HO00673	MANDELYN COPPER-ET	CAN 11359969						1
	MANDELYN GRANITE-ET	CAN 11340657						1
100HO11429	MANDELYN PLATINUM-ET	CAN 11359965						
202HO00778	MANDUR	NLD 728052161						
29HO13880	MANILA C O HICKORY	USA 138237288			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MANITU	DEU 9010317781						
	MANNI EGV LIMLIGHT P-RED-ET	USA 73244605						
	MANNI LEVI-ET	USA 72773370						
	MANNI LI-PP-RED-ET	USA 73244568						
	MANNI LILAR-ET	USA 73244584		C				3
202HO00816	MANOUK-ET	DEU 353940622						
	MANSION-VALLEY-USA INTENSE	CAN 5008309						
	MAPEL WOOD ACURA-ET	CAN 6551203						
11HO11404	MAPEL WOOD ALTALUCKY1-ET	CAN 11471414						1
	MAPEL WOOD ASTRONAUT-ET	CAN 6475173						
286HO00106	MAPEL WOOD BALL OF WAX-ET	CAN 11841699						1
250HO01011	MAPEL WOOD BANDANA-ET	CAN 11161722						
250HO00993	MAPEL WOOD BOLDER-ET	CAN 10973676						
7HO11209	MAPEL WOOD BOMB-ET	CAN 9899647		C				
	MAPEL WOOD BRAVEHEART-ET	CAN 6344134						
250HO01009	MAPEL WOOD BREWMASTER-ET	CAN 11161715						
28HO00511	MAPEL WOOD BRIGADIER	CAN 5911324						
250HO00979	MAPEL WOOD BUILDER-ET	CAN 9899648		C				
11HO09343	MAPEL WOOD CALLAWAY-ET	CAN 9498221	C					
39HO00599	MAPEL WOOD CLIFFHANGER-ET	CAN 5858828						
39HO00600	MAPEL WOOD COMMOTION-ET	CAN 5897055						
72HO00901	MAPEL WOOD CONTRAST-ET	CAN 6000856						
	MAPEL WOOD CONVERSE	CAN 6000868						
	MAPEL WOOD DAVIDSON	CAN 8088891						
200HO01931	MAPEL WOOD DEFENDER-ET	CAN 9498220	C					
250HO01065	MAPEL WOOD DEHORNED-P	CAN 11347853		C				
200HO02539	MAPEL WOOD DEMETRI-ET	CAN 9899570		C				3
200HO02364	MAPEL WOOD DEVELOPER-ET	CAN 8927461						
200HO02160	MAPEL WOOD DEVIN-ET	CAN 7677409			C			
11HO08116	MAPEL WOOD DIAMOND CUTTER	CAN 9418769	C					
200HO02152	MAPEL WOOD DIAMOND-ET	CAN 7677408						3
	MAPEL WOOD DICTATE-ET	CAN 9498213						
200HO01976	MAPEL WOOD DIGITAL-ET	CAN 9498242						
72HO00873	MAPEL WOOD ESTIMATE-ET	CAN 5925716						
200HO01420	MAPEL WOOD FACEOFF-ET	CAN 8189385						
182HO00913	MAPEL WOOD HOUSTON-ET	CAN 11714974						
11HO04942	MAPEL WOOD INTEGRA-ET	CAN 6432857						
	MAPEL WOOD JEREMY-ET	CAN 8056025						
	MAPEL WOOD JULIUS-ET	CAN 8056033						
	MAPEL WOOD JUMBOTRON-ET	CAN 6372861	C					
	MAPEL WOOD JUNCTION-ET	CAN 6373521	C					
28HO00470	MAPEL WOOD LANCE	CAN 5738607						
200HO06400	MAPEL WOOD LANYARD-ET	CAN 11098687						
	MAPEL WOOD MUSICIAN-ET	CAN 6148430						
72HO00803	MAPEL WOOD NORDIC	CAN 5602587	C					

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAPEL WOOD OPPORTUNITY-ET	CAN 5897046						
	MAPEL WOOD PHAMTON-ET	CAN 8088893						
	MAPEL WOOD RECKLESS	CAN 6148461						
	MAPEL WOOD REVELATION-ET	CAN 5500383						
200HO10630	MAPEL WOOD SANDBAR-ETS	CAN 12221919						
200HO02151	MAPEL WOOD SCOTT	CAN 7677410						3
200HO10537	MAPEL WOOD SPHINX-ET	CAN 12111725						
	MAPEL WOOD STARGATE-ET	CAN 6218622	C					
72HO00550	MAPEL WOOD STEWART-ET	CAN 387687						
	MAPEL WOOD TAHOE-ET	CAN 8189401	C					
73HO01119	MAPEL WOOD TIGER CAT-ET	CAN 387683						
200HO02631	MAPEL WOOD TIPTOP-ET	CAN 9899629					C	
	MAPEL WOOD TOPFLITE-ET	CAN 8189399	C					
	MAPEL WOOD TOWER-ET	CAN 8189389	C	C				
250HO01046	MAPEL WOOD TRIPLE ELEVEN	CAN 11347857						
	MAPEL WOOD TRUE LIES-ET	CAN 6148420						
200HO01502	MAPEL WOOD TWISTER-TW-ET	CAN 8282574						
	MAPEL WOOD VICEROY	CAN 5628111						
	MAPEL WOOD WILSON-ET	CAN 8282566	C					
	MAPEL WOOD WINDTALKER-ET	CAN 9418772	C					
	MAPL-VALLE MILLION KENT-ET	USA 140465330						
14HO04882	MAPL-VALLE OUTSIDE KEITH-ET	USA 135630251						
	MAPL-VALLE ZENITH ANDREW	USA 139212590						
	MAPLE-DOWNS ADVANTAGE-ET	USA 70974146						
	MAPLE-DOWNS ALLOWANCE-P	840003128458190						
	MAPLE-DOWNS ANDRES-P-RED	840003128458210					C	1
	MAPLE-DOWNS ANDROID-ET	USA 70974144						
	MAPLE-DOWNS MONTEREY JACK	840003128458160						
7HO09893	MAPLE-DOWNS-I G W ATLANTIC-ET	CAN 8956383						
7HO10506	MAPLE-DOWNS-I G W ATWOOD-ET	CAN 8956379						
7HO00440	MAPLE-PASS TAMMY CALCULATOR	USA 1638402						
29HO17672	MAPLE-SLOPE SHF DRAGO-P-ET	USA 71631205						
	MAPLE-SLOPE TRUMP M10469-ET	USA 66631938					C	
29HO00751	MAPLE-VANE SURPRISE-RED	USA 2141664						
	MAPLEGROVE-B GREGARI SOLO P	840003133881336						
	MAPLEHURST 1STCLASS 3677-ET	USA 74284054						
	MAPLEHURST AIRNET 2748-ET	USA 71269361						
	MAPLEHURST AIRNET 2751-ET	USA 71269364						
	MAPLEHURST AIRNET WONDER-ET	USA 71269360						
	MAPLEHURST BANNING 2536-ET	USA 70419062						
	MAPLEHURST BANNING 2586	USA 70419112						
	MAPLEHURST BOMBERO 3457-ET	USA 74283834						
	MAPLEHURST BONIFY 3230-ET	USA 73124052						
	MAPLEHURST CASHCOIN 3202-ET	USA 73124024						
	MAPLEHURST CASHCOIN 3245	USA 73124067						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAPLEHURST CCOIN 3201-TW-ET	USA 73124023						1
1HO11399	MAPLEHURST CHAMPLAIN SPIKE	USA 73123964						
1HO03892	MAPLEHURST DIAMOND JIM ANDY	USA 2285615	C					
	MAPLEHURST EARNH 3137 P-ET	USA 73123959						
	MAPLEHURST EARNH RIVAL-P-ET	USA 72139041						
	MAPLEHURST ECOYNE 2797	USA 71269410						
	MAPLEHURST FLAME 3614	USA 74283991						
	MAPLEHURST HALOGEN 3355-ET	USA 73124177						
	MAPLEHURST HOTROD 3644-ET	USA 74284021						
	MAPLEHURST JIVES 2811-ET	USA 72138800						
	MAPLEHURST JOSUPER 3662-ET	USA 74284039						
	MAPLEHURST JOSUPER 3804-ET	840003133183746						
	MAPLEHURST JOSUPER TETRO-ET	840003133183738						
1HO11965	MAPLEHURST JSR DIESTO-ET	USA 74284057			C			
	MAPLEHURST KRUNCH 3095-ET	USA 72139084						
1HO06036	MAPLEHURST LABELLE NILE-ET	USA 2299139						
1HO06035	MAPLEHURST LABELLE ZEUS-ET	USA 2299137						
1HO03980	MAPLEHURST LINGO HELIOS-ET	USA 2299138						
	MAPLEHURST LITHIUM 2903-ET	USA 72138892						
	MAPLEHURST LITHIUM 2907-ET	USA 72138896						
	MAPLEHURST MASSEY 2993-ET	USA 72138982						
	MAPLEHURST MAURICE 3080-ET	USA 72139069						
	MAPLEHURST MIDNIGHT 3336-ET	USA 73124158						
	MAPLEHURST MILES 3264	USA 73124086						
29HO17986	MAPLEHURST MODESTO-ET	USA 73124186						
	MAPLEHURST MOGUL 2828	USA 72138817						
	MAPLEHURST MOGUL 2967-ET	USA 72138956						
1HO11348	MAPLEHURST MOGUL DEUCE-ET	USA 72138957						
	MAPLEHURST MOGUL DEVIOUS	USA 72138853						
	MAPLEHURST MONARCH 3210-ET	USA 73124032						
29HO18195	MAPLEHURST MOTLEY-ET	USA 74283923						
	MAPLEHURST NMR ONE CHICO-ET	USA 72138937						
	MAPLEHURST NUMERUNO 2934-ET	USA 72138923						
	MAPLEHURST NUMERUNO 2936-ET	USA 72138925						
	MAPLEHURST OAK 3253-ET	USA 73124075						
	MAPLEHURST OCTAVIAN 3608-ET	USA 74283985						
	MAPLEHURST PARADISE 3015-ET	USA 72139004			C			
1HO11083	MAPLEHURST PARADISE NEON	USA 72138797						
	MAPLEHURST PARKER P 2889-ET	USA 72138878						
	MAPLEHURST PATROIT 2721	USA 71269334						
	MAPLEHURST PERRY 2694-ET	USA 71269307						
	MAPLEHURST PERRY 2696-ET	USA 71269309						
	MAPLEHURST PERRY 2703-ET	USA 71269316						
	MAPLEHURST PERRY 2708-ET	USA 71269321						
	MAPLEHURST PERRY 2713-ET	USA 71269326						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAPLEHURST PERRY 2719-ET	USA 71269332						
	MAPLEHURST PERRY 2732-ET	USA 71269345						
	MAPLEHURST PERRY 2736-ET	USA 71269349						
	MAPLEHURST PERRY 2744-ET	USA 71269357						
	MAPLEHURST PERRY 2753-ET	USA 71269366						
	MAPLEHURST PERRY 2780-ET	USA 71269393						
	MAPLEHURST PERRY 2783-ET	USA 71269396						
1HO11032	MAPLEHURST PERRY MY WAY-ET	USA 71269324						
	MAPLEHURST RACER 3341-ET	USA 73124163						
	MAPLEHURST RACER 3444-ET	USA 74283821						
14HO07673	MAPLEHURST RACER SPEED-ET	USA 73124162						
	MAPLEHURST RAINIER 3191	USA 73124013						
	MAPLEHURST REBEL 3376-ET	USA 73124198						
1HO11675	MAPLEHURST REBEL WASABE-ET	USA 73124199						
	MAPLEHURST S SHOT 3692-ET	USA 74284069						
	MAPLEHURST SHAMROCK 2707-ET	USA 71269320						
	MAPLEHURST SILVER 3628-ET	USA 74284005						
	MAPLEHURST SSIRE 3035-ET	USA 72139024						
	MAPLEHURST STOIC 3337-ET	USA 73124159						
1HO11645	MAPLEHURST STOIC WILDER-ET	USA 73124156						
1HO11644	MAPLEHURST STOIC WYATT-ET	USA 73124155						
	MAPLEHURST TROY 3362-ET	USA 73124184						
	MAPLEHURST TROY 3463-ET	USA 74283840						
	MAPLEHURST TROY 3613	USA 74283990						
	MAPLEHURST UNO 2776-ET	USA 71269389						
	MAPLEHURST UNO 2786-ET	USA 71269399						
	MAPLEHURST UNO 2788-ET	USA 71269401						
	MAPLEHURST UNO 2793-ET	USA 71269406						
	MAPLEHURST UNO 2795-ET	USA 71269408						
	MAPLEHURST UNO 2826	USA 72138815						
	MAPLEHURST UNO 2872-ET	USA 72138861						
	MAPLEHURST UNO 2874-ET	USA 72138863						
	MAPLEHURST UNO JEREMIAH-ET	USA 71269383						
	MAPLEHURST VAL 2852	USA 72138841						
29HO17886	MAPLEHURST WAYDON-ET	USA 73124122						
	MAPLEHURST WINDSOR 3293-ET	USA 73124115						
1HO11638	MAPLEHURST WSR LAST CALL-ET	USA 73124097						
	MAPLEHURST YODER 3606-ET	USA 74283983						
1HO11903	MAPLEHURST YODER WARNING-ET	USA 74284017						
1HO11396	MAPLEHURST YOWZA ASPHALT-ET	USA 72139089			C			
	MAPLELANE-MANOR GENER ALI	USA 142319372						
8HO02394	MAPLELEAF-E ROT MISTIQUE-ET	USA 2038611						
200HO10305	MAPLEVUE BRODEUR-ET	CAN 11529470						
1HO09014	MAR-ANNE ACLAIM PIER CRI-ET	USA 62030933						
1HO08899	MAR-ANNE RAMOS PETER	USA 61170534						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
1HO06399	MAR-BIL BARLO GILLIN-ET	USA 121218555	C					
14HO02740	MAR-BIL BELWOOD GOVERNOR-ET	USA 2287273						
9HO02037	MAR-BIL BENCHMARK GLAVIN-ET	USA 2240459						
	MAR-BIL BOLTON GERALDO-ET	USA 65897399						
7HO10086	MAR-BIL BOLTON GUNFIGHT-ET	USA 64567422						
7HO10062	MAR-BIL BOLTON GUNFIRE-ET	USA 64567434						
	MAR-BIL CASHCOIN GURTH	USA 74551195						1
	MAR-BIL COLBY GORDON-ET	USA 65897396						
	MAR-BIL COLBY GRUMP-ET	USA 65897397		C	C			
7HO03804	MAR-BIL COMMAND GEOFFRY-ET	USA 2089381						
29HO10441	MAR-BIL CONVINCER PIERRE	USA 60065787						
	MAR-BIL DAY GEM-ET	USA 71518887						
	MAR-BIL DAY GOOD-ET	USA 71518890						
1HO06688	MAR-BIL DECISIN GRADUATE-ET	USA 60065770						
	MAR-BIL DENIM GARTH	USA 70737801		C				
	MAR-BIL DOLCE GAVIN-ET	USA 69938568						
	MAR-BIL DOLCE GEL-ET	USA 69938564						
	MAR-BIL DOLCE GONE-ET	USA 69938566						
1HO09620	MAR-BIL ENCINO GAMAL CRI-ET	USA 63285253						
1HO09617	MAR-BIL ENCINO GAVEN CRI-ET	USA 63285250						
14HO05570	MAR-BIL ENCINO GUNPOWDER-ET	USA 62980840						
14HO07306	MAR-BIL GC GREENDAY-ET	USA 71518736						
1HO06001	MAR-BIL GEOFFRY GRANITE	USA 2295474						
11HO05178	MAR-BIL GO-ET	USA 17358409						
	MAR-BIL GOLD CHIP 1524-ET	USA 71518737						
	MAR-BIL GOLD CHIP DIGGER-ET	USA 71518732						
	MAR-BIL GOLD CHIP GARTH-ET	USA 70737795						
	MAR-BIL GOLD CHIP GAVIN-ET	USA 70737791						
29HO16740	MAR-BIL GOLD CHIP GREEN-ET	USA 70737793						
14HO03201	MAR-BIL GRANITE HOT GUN-ET	USA 120181087						
29HO14012	MAR-BIL GUSTER-ET	USA 64567410				C		
7HO10532	MAR-BIL JEEVES GABE	USA 65897451						
	MAR-BIL JEEVES GERMAINE	USA 65897489						
	MAR-BIL JEEVES GOMER	USA 65897494						
	MAR-BIL JOSE GUNSHOT-ET	USA 64567420				C		1
	MAR-BIL LAYNE GARMIN	USA 71518824						
7HO09721	MAR-BIL LOU GOLDENROD-ET	USA 63652090						
14HO06607	MAR-BIL MAN-O-MAN GOLD	USA 68811427						
1HO07583	MAR-BIL MANAT GALAHAD-ET	USA 60755958						
14HO05552	MAR-BIL MARION GRENADE-ET	USA 62980834						
7HO07379	MAR-BIL MARSHAL G-TAURUS-ET	USA 60687027						
1HO06338	MAR-BIL MO SUPERMAN-ET	USA 18001653						
	MAR-BIL MOGUL G-STAR-ET	USA 71518813						
1HO03365	MAR-BIL OSCAR GLENWOOD-ET	USA 2221585						
	MAR-BIL PARTYROCK MUCHO	USA 74551215						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAR-BIL PAUL GIANT	USA 70737706						
	MAR-BIL PAUL GTO-ET	USA 70737726						
	MAR-BIL PNTIAC GUNPOWDER-ET	USA 64567428						
7HO10378	MAR-BIL RAMOS GEORGE-ET	USA 65432833						
	MAR-BIL RANGER BEAU-RED	USA 74551207						
	MAR-BIL RANGER ROD-RED	USA 74551206						
	MAR-BIL SHAMROCK GATOR	USA 70737744						
	MAR-BIL SHAMROCK GINETTA-ET	USA 70737751						
	MAR-BIL SUPERSIRE 1648	USA 71518861						
	MAR-BIL SUPERSIRE 1708-ET	USA 72769783						
	MAR-BIL SUPERSIRE G-SNAP-ET	USA 72769782						
	MAR-BIL SUPERSIRE GAB-ET	USA 72769829						
	MAR-BIL SUPERSIRE GABLE-ET	USA 72769830						
	MAR-BIL SUPERSIRE GEORGIE	USA 72769800						
	MAR-BIL SUPERSIRE GI-GIFTS	USA 72769825						
	MAR-BIL SUPERSIRE GIANT	USA 72769776						
	MAR-BIL SUPERSIRE GILEAD-ET	USA 71518893						
	MAR-BIL SUPERSIRE GOTCHA-ET	USA 71518851						
	MAR-BIL SUPERSIRE GOWDY-ET	USA 72769787						
	MAR-BIL SUPERSIRE GRANT-ET	USA 72769821						
	MAR-BIL SUPERSIRE GUNNER-ET	USA 71518852						
	MAR-BIL TATUM 1986	USA 74551202		C				
1HO08531	MAR-BIL TEAMSTER GIZMO-ET	USA 61545918						
29HO13908	MAR-BIL ZESTY GODSEND	USA 63652081						
1HO01000	MAR-GAR BELLMAN WHISTLE-ET	USA 2226240						
1HO02027	MAR-GAR C FIRECRACKER-ET	USA 2107370						
73HO02672	MAR-GAR GALAHAD-ET	USA 2285769						
11HO04638	MAR-GAR GB CONSULTANT-ET	USA 2273086						
1HO05129	MAR-GAR HARDTAC MARC TCG-ET	USA 2276213	C					
	MAR-GAR SYMBOL-ET	USA 2220062						
11HO04848	MAR-GAR-BB MANDEL DISNEY-ET	USA 17006503						
	MAR-GAR-TS CAMARO-ET	USA 2253777						
	MAR-J-LOR AL CHALLENGER-RED	USA 142265552						3
	MAR-J-LOR ARDOLF CARLOS-RED	USA 140844818						4
	MAR-J-LOR C CAPTAIN-RED-ET	USA 141845773						3
	MAR-J-LOR CLT PRINCETON-RED	USA 141883108						
100HO11585	MAR-J-LOR COLT REDCHIP-RED	USA 141864936						
	MAR-J-LOR GOLD COLE-RED-ET	USA 74081894						
	MAR-J-LOR LONG P CLYDE	USA 74089173						
151HO05818	MAR-J-LOR RLY CLATON-RED-ET	USA 140940578						3
	MAR-J-LOR WNBK CHARGER-ET	USA 142017159		C				
	MAR-J-LOR WNBK CONARD-ET	USA 142017234						
9HO02280	MAR-RIVER ABEL OASIS-ET	USA 2279800						
14HO02710	MAR-RIVER ABEL OLIVER-ET	USA 2279801						
	MAR-RIVER DORCY WINN-TW	USA 141067544			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAR-RIVER MILLON OAKLEY	USA 140270110	C	C				
11HO05185	MAR-RIVER OLYMPIC-ET	USA 17380632						
504HO04011	MAR-RIVER RAMOS FALCON-ET	USA 138605254						
14HO05304	MAR-RIVER SEPT LEXOR-ET	USA 136834742						
	MAR-RIVER SHOTTLE WINTER	USA 140220807			C		C	
7HO06382	MAR-RIVER WINCHEST OWEN-ET	USA 123721426						
	MAR-T-VU LATIMER SNOWMAN	USA 73191133						1
200HO01093	MAR-VUE DAMIAN-ET	CAN 6809436						
	MAR-VUE DIAMOND-ET	CAN 6385234						
39HO00667	MAR-VUE DILLON-ET	CAN 6172408	C					
	MAR-VUE DOMINIC-ET	CAN 6809445						
7HO05375	MARA-THON BW MARSHALL-ET	USA 2290977						
7HO06296	MARA-TONE FORMATON GRADY-ET	USA 123315687	C					
	MARAH-DELIGHT SEGA-RED-ET	USA 130143288	C					
200HO03781	MARBRI APPLEJACK-RED	CAN 11089783						3
	MARBRI BLAKE-ETS	CAN 10846975						
250HO01005	MARBRI BRANTLEY-ETS	CAN 10846977						
200HO03656	MARBRI BREAKOUT-ET	CAN 9795501						
	MARBRI BRILLIANT-ETS	CAN 11273784						
200HO03748	MARBRI FABIANO-ETS	CAN 10847009						1
200HO03753	MARBRI FACEBOOK-ET	CAN 10847042						
200HO03658	MARBRI FLYER-ET	CAN 9546985						
200HO03657	MARBRI FUSION-ET	CAN 9547015						
14HO05463	MARCIS-VIEW MANGR HAYDEN-ET	USA 63083082						
9HO01833	MARCREST ENCORE	USA 2048702						
	MARCY GREGG-ET	840003012559613						
11HO10342	MAREE-RED	NLD 382037056						
	MARFADY ARM CRACKERJACK-ET	USA 66948655						
	MARFADY CUTCH N LIRIANO-ET	USA 72150161						
	MARFADY FREDDIE KRUEGER-ET	USA 72150160						
	MARFADY LIQUID GOLD CLANCY	USA 73416845						
	MARFADY LITHIUM CHAVEZ-ET	USA 72150157						
	MARFADY LITHIUM CHEECH-ET	USA 72150155						
	MARFADY LITHIUM CHONG-ET	USA 72150156						
	MARFADY LITHIUM CHUMLEE-ET	USA 72150158						
21HO01856	MARGENE BELL FRANK	USA 2083473						
7HO04482	MARGENE BLACKSTAR FRED	USA 2168044	C					
11HO04778	MARGENE JADE GENERAL-ET	USA 17022284			C			
7HO04958	MARGENE JEWEL GEMINI-ET	USA 2237619						
200HO09722	MARGOLD PREVIEW-ET	USA 135461956						
7HO01608	MARI-LYNS TAMLANE TREASURE	USA 1879158						
7HO01570	MARIES BLIZZARD-ET	USA 1876203						
11HO10117	MARINEAU ALTATANGUAY-ET	CAN 104176359						
11HO09764	MARINEAU ALTATAZER	CAN 103505237						
	MARINEAU TIBET-ET	CAN 9312083						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO05805	MARINEAU TIKKY-ET	CAN 104458736						
200HO01877	MARINEAU TILMAN-ET	CAN 9312085						
200HO05104	MARINEAU TINO-ET	CAN 101220266						
200HO05103	MARINEAU TITAN-ET	CAN 101220265						
200HO05760	MARINEAU TOSTITOS-ET	CAN 104176358						
515HO00148	MARIO	NLD 713493052						
	MARITA FLAME MAESTRO-ET	840003125202076						
	MARITA FLAME MOHAWK-ET	840003125202033						
	MARITA GALAXY MEDALIST-ET	USA 72504204			C		C	
	MARITA GALAXY MEDGAR-ET	USA 72504203					C	
	MARITA GALAXY MOONSHADOW-ET	USA 72504214			C			
	MARITA GALAXY MOONSHOT-ET	USA 72504206			C			
	MARITA PREDESTINE MARCO-ET	USA 72504218			C			3
28HO00202	MARK CJ GILBROOK GRAND-ET	CAN 393207						
21HO01219	MARK W-W SILVER SHADE MATE-ET	USA 2008646	C					
147HO02338	MARK-EM-HI DOMAIN HURRICANE	USA 66133534						
	MARKANI YANKEE-ET	CAN 5337294						
73HO02902	MARKIM THUNDER	USA 17144785		C				
1HO08828	MARKLAND BOLIVAR BOMBER-ET	USA 136390156						
7HO08831	MARKLAND BOLIVAR BUZZO-ET	USA 136390110						
	MARKLAND BOMBERO DASH-ET	USA 73942922						
200HO03467	MARKLAND BRUZZER-ET	USA 136390183						
	MARKLAND CHEVALIER BADGE-ET	USA 73942927						
91HO04886	MARKLAND GOLDWYN FRANKIE	USA 137368811						1
7HO08832	MARKLAND LANCELOT LINDY-ET	USA 136390147						
1HO08882	MARKLAND LANCELOT LOCO-ET	USA 136407074						
200HO03479	MARKLAND LARS-ET	USA 136407083						
200HO03480	MARKLAND MACEDON-ET	USA 136742458						
	MARKLAND MAGICAL MARLIN-ET	USA 136775108						
1HO09027	MARKLAND MAN WINSTON CRI-ET	USA 62030892			C			
54HO00476	MARKLAND MORTY MERV-ET	USA 134963428	C					
7HO08726	MARKLAND O-MAN LUTHER-ET	USA 136390138						
	MARKLAND OAK BEAU-ET	USA 142649174		C				3
7HO08935	MARKLAND OMAN KIA-ET	USA 136448587						
	MARKLAND RIPPER-ET	USA 136417213						
7HO08934	MARKLAND ROLEX RYDER-ET	USA 136407104						
	MARKLAND SHAN DYLAN-ET	USA 142583494						
1HO09030	MARKLAND WINTHROP CRI-ET	USA 62030894						
200HO01393	MARKSWAY RAFTER-ET	CAN 10698185						
	MARKSWAY-I EXCLUSIVE-ET	CAN 10698251						
	MARKWELL AARON-ET	USA 135218857						
	MARKWELL AL NATOMA	USA 66860723						
	MARKWELL ARMITAGE CANDON	USA 71536038						
	MARKWELL ARMITAGE DELANO-ET	USA 70976946						
	MARKWELL ARMITAGE DELCO-ET	USA 70976941						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MARKWELL ATWOOD CANO	USA 69458952						
	MARKWELL ATWOOD OAKLEY	USA 69458953					C	
	MARKWELL ATWOOD ODOM-ET	USA 65724072					C	
	MARKWELL ATWOOD ORICK-ET	USA 65724073						
	MARKWELL BACARDI-ET	USA 66860698						1
200HO00237	MARKWELL BANNER-ET	USA 132219943						
	MARKWELL BEACON AIDAN-ET	USA 69458976					C	
	MARKWELL BEACON ALDEN-ET	USA 69458975					C	
	MARKWELL BEAU BAHADA-ET	USA 70976944						
	MARKWELL BEAU DALSTON-ET	USA 70976959						
	MARKWELL BEAU DARIUS-ET	USA 70976961						
	MARKWELL BEAU DIESEL-ET	USA 70976963						
7HO08805	MARKWELL BEST LEADER	USA 135920804						
	MARKWELL BOLTON CABOT-ET	USA 65724154						
	MARKWELL BOLTON CARUSO-ET	USA 65724158						
	MARKWELL BOOKEM MADEN-ET	USA 142083426						
100HO11490	MARKWELL BOOKEM MADOC-ET	USA 70976933						
	MARKWELL BOOKEM MATTY-ET	USA 142083417	C					
	MARKWELL BOOKEM MEDIN-ET	USA 70976932	C					
	MARKWELL CAMERON CATO	USA 71536048						
	MARKWELL CAMERON MORAN	USA 71536047	C					
	MARKWELL CANCUN COBALT-ET	USA 69458983						
200HO02730	MARKWELL CARBON-ET	USA 69458956						
	MARKWELL CASIMIR E214-ET	USA 71393488						
200HO02814	MARKWELL COBAIN-ET	USA 70581117						
100HO11492	MARKWELL COLT P FAME-RED	USA 70976948						
	MARKWELL COLT P RANGO-RED	USA 70976953						
100HO11491	MARKWELL CP RAINMAKER-RED	USA 70976940						
29HO16436	MARKWELL CRISSCROSS-ET	USA 70581111			C			
	MARKWELL CYPR DALLAS-ETS	USA 69458977						
	MARKWELL CYPR DENVER-ETS	USA 69458978						
	MARKWELL CYPR DETROIT-ET	USA 69458982						
	MARKWELL DANDY	USA 71308336						
	MARKWELL DARCY-ET	USA 132038041						
200HO00139	MARKWELL DAWSON-ET	USA 127408077						
200HO00569	MARKWELL DECKLAN	USA 65724175						
	MARKWELL DELANEY-ET	USA 132858896						
200HO09422	MARKWELL DENVER-ET	USA 134590701						
11HO07307	MARKWELL DESIRE	USA 130160186						
200HO00429	MARKWELL DETER-ET	CAN 7656948						
	MARKWELL DOMAIN DESTIN	USA 69458960						
	MARKWELL DOMAIN DODGE-ET	USA 70581100						
200HO00566	MARKWELL DUCKETT-ET	CAN 7885626						
29HO16453	MARKWELL DUNHAM-ET	USA 70581113			C			
7HO09444	MARKWELL DUPLEX TILLMAN-ET	USA 137577682						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO02815	MARKWELL DURANT-ET	USA 70581095						
7HO06671	MARKWELL DURHAM DJ-ET	USA 128796265						
	MARKWELL ELWIN-ET	USA 2176292						
	MARKWELL ENCORE-ET	USA 2167685						
73HO01982	MARKWELL ENDURE-ET	USA 2176288						
	MARKWELL EXPLODE CLEMONS-ET	USA 69458988						
	MARKWELL EXPLODE DEION-ET	USA 69458997						
	MARKWELL EXPLODE DEMITRI-ET	USA 69458990						
	MARKWELL EXPLODE DITKA-ET	USA 69458995						
	MARKWELL FANTASY-ET	USA 17265844						
200HO00427	MARKWELL FORMULA-ET	USA 136703349		C				
200HO00337	MARKWELL FROST-ET	USA 133958964						
29HO14815	MARKWELL JEEVES MORRIS-ET	USA 66860685						
	MARKWELL JEEVES NAYLIN-ET	USA 66860712						
	MARKWELL JEEVES NAYLOR-ET	USA 66860715						
100HO10878	MARKWELL JOYBOY RAVE-RED-ET	USA 63159493						
94HO10156	MARKWELL KITE-ET	USA 128460878						
7HO10056	MARKWELL MAC MACHISMO	USA 138968809						
28HO04828	MARKWELL MANDATE	USA 2287989						
	MARKWELL MAVIS-ET	USA 66860726	C		C			
200HO00599	MARKWELL MEBANE-ET	USA 66860684						
200HO00568	MARKWELL MEMPHIS	USA 139342330	C					
200HO00591	MARKWELL MICHAEL	USA 65724177		C				
	MARKWELL MICHAEL OBADIAH-ET	USA 65724065						
	MARKWELL MICHAEL OGDEN-ET	USA 65724066						
	MARKWELL MICHAEL OMAR-ET	USA 65724067						
	MARKWELL MICHAEL OXFORD-ET	USA 65724068						
	MARKWELL MILLION CARUSO-ET	USA 66860728		C				
	MARKWELL MILLION COBAIN-ET	USA 66860703		C				
	MARKWELL MILLION CURRY-ET	USA 66860687		C				
	MARKWELL MILLION DARIUS-ET	USA 66860716		C				
	MARKWELL MILLION MEDLOR	USA 69458948	C					
	MARKWELL MILLION NEVADA-ET	USA 65724082		C				
	MARKWELL MILLION NIRVANA-ET	USA 65724090		C				
	MARKWELL MILLION NOVA-ET	USA 65724083		C				
	MARKWELL MILLION OAKLEY-ET	USA 65724055						
	MARKWELL MOZYGUS RUGER-RED	USA 71536069						
202HO00246	MARKWELL MRSH BRAVEHEART-ET	USA 133221048						
200HO00601	MARKWELL NAZLINI-ET	USA 65724089						
	MARKWELL NIAGRA CARINO-ET	USA 69458965						
	MARKWELL NIAGRA CARLIN-ET	USA 69458959						
73HO02681	MARKWELL NOBEL-ET	USA 2274879						
200HO00602	MARKWELL OHELLO-ET	USA 65724056		C				
	MARKWELL PRO-EMP-ET	USA 142601682						
	MARKWELL RACER-ET	USA 2224813						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MARKWELL RAMBO-ET	USA 127408059						
200HO00047	MARKWELL RAMSES-ET	USA 18016696						
70HO01143	MARKWELL RECKLESS	USA 2299559						
	MARKWELL REDFORD-ET	USA 132282262						
	MARKWELL REGENT	USA 120535297						
28HO00586	MARKWELL REVOLT-ET	USA 2240789						
147HO01220	MARKWELL REVOLUTION-RED-ET	USA 138037561						
	MARKWELL REX-ET	USA 131604113						
72HO00926	MARKWELL RHYME-ET	USA 2240796						
70HO01050	MARKWELL RHYTHM-ET	USA 2254834						
72HO01653	MARKWELL ROGUE-ET	USA 17007186						
	MARKWELL ROREY-ET	USA 134169105						
	MARKWELL SHAMROCK CLEMONS	USA 70976926						
	MARKWELL SHAMROCK DENALI-ET	USA 70976923						
	MARKWELL SHAMROCK MATEO-ET	USA 70581144	C					
	MARKWELL SHAMROCK MENARD-ET	USA 70581133						
	MARKWELL SHAMROCK MOFFIT-ET	USA 70581142	C					
	MARKWELL SHAMROCK NATAL-ET	USA 70581130						
	MARKWELL SHAMROCK NAVARO-ET	USA 70581131						
	MARKWELL SHAMROCK NEIRIN-ET	USA 70581127						
	MARKWELL SHAMROCK NEVIN-ET	USA 70581132						
7HO11611	MARKWELL SNOWMAN CAESAR-ET	USA 70581112						
	MARKWELL SNOWMAN CHET-ET	USA 70581109						
7HO11612	MARKWELL SNOWMAN COOPER-ET	USA 70581110			C			
7HO11609	MARKWELL SNOWMAN DAK-ET	USA 70581108						
100HO11415	MARKWELL SNOWMAN DANTE-ET	USA 70581119						
	MARKWELL SNOWMAN DARIUS-ET	USA 70581118			C			
7HO11610	MARKWELL SNOWMAN DEVLIN-ET	USA 70581121			C			
	MARKWELL TAXCUT-ET	USA 137577691						
200HO09436	MARKWELL THORNTON	USA 135080001		C				
39HO00444	MARKWELL TWOMAR-ET	USA 2167687						
7HO06595	MARKWELL WNCHSTR DOMAIN-ET	USA 127408095						
	MARKWELL WONDER-ET	USA 72573162						
	MARKWELL-B JEVES ANATOLE-ET	USA 66860688						
100HO11392	MARKWELL-KR REAL RAZ-RED-ET	USA 141735580						
	MARKWELL-M SHAMRCK CURRY-ET	USA 70976927						
	MARKWELL-M SHMRCK COBRA-ET	USA 70976922						
	MARKWELL-T NIAGRA CRUISE-ET	USA 69458969						
71HO05016	MARNEL STARTREK	CAN 324777						
39HO00697	MARPAR CHEER-ET	USA 2291015						
1HO05083	MARPAR JABOT BETTY BRUCE-ET	USA 2291017						
	MARQUEZ SUPER ANIKO 20860	USA 141373469						
	MARRACHE AD LS ARIES-RED-ET	USA 142122477		C				3
	MARRIED-WELL LB ROB-RED-ET	USA 64628851						
7HO09305	MARRIED-WELL RAGU-RED-ET	USA 62847030						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MARRIED-WELL ROMAN-RED-ET	USA 64628852						
	MARRIED-WELL ROXSTAR-RED-ET	USA 64628837						1
	MARRVEL ARMANI MCHALE 5870	840003128881533						1
11HO10736	MARS ALTAFIXMAN	NLD 522740642						
151HO04070	MARS BOYD-ET	NLD 707841827						
151HO00610	MARS BRADLEY-ET	NLD 707842091						
200HO07496	MARS CAPACITY-ET	NLD 878743151						
200HO07848	MARS EXTASY-P-ET	NLD 916345189						
	MARS FANTASTICO	NLD 758943819					C	
200HO07788	MARS FORUM	NLD 758944038						
200HO07851	MARS HARVARD-ET	NLD 916345266						
515HO00129	MARS MANCHEZ	NLD 758943554						
151HO40132	MARS YORICK-ET	NLD 707841810						
	MARS-ET-RED	CHE712830103333						
	MARSH-VUE MCCUTCHEN DANE	840003128780299						
7HO00401	MARSHFIELD ELEVATION TONY	USA 1626813						
200HO01714	MARSHLAND BURKE	USA 131887361						
11HO07893	MARSHLAND BUZZER-ET	USA 131862205						
	MARSHLAND DEMAN BREWER-ET	840003126440914						
566HO01254	MARSHLAND DEMAN BY GOLLY-ET	840003126440897						
7HO07368	MARSHLAND JASPER BLASTER-ET	USA 131725135						
14HO03516	MARSHLAND MARTY BEVIS-ET	USA 127744621						
	MARSHLAND PETY BUDWEISER	840003126440904						
	MARSHLAND TOP BARTENDER-ET	USA 58499833						
	MARTANNA ADRIAN CAN-CAN-ET	USA 73761753			C			
	MARTANNA ADRIAN CRICKEY-ET	USA 73761752			C			
	MARTANNA ADRIAN CRUSH-ET	USA 73761755						
	MARTANNA AIRNET BAILEY-ET	USA 72242843						
	MARTANNA AIRNET BAXTER-ET	USA 72242844						
	MARTANNA AIRNET BAZOOKA-ET	USA 71303404		C				
	MARTANNA AIRNET BERNY-ET	USA 71303411						
	MARTANNA AIRNET BLAKBEAR-ET	USA 71303406		C				
	MARTANNA AIRNET BRANTLEY-ET	USA 71303408						
	MARTANNA BUD BUCKEYE	USA 72242854						
	MARTANNA BUD DANIEL-ET	USA 71303410						
	MARTANNA BUD DON-ET	USA 72242852						
	MARTANNA BUD DUCE-ET	USA 72242853						
	MARTANNA CALIBER CHEETO	USA 72242880						
	MARTANNA COLBY BEN-ET	USA 66637223						
	MARTANNA COLBY BENJAMEN-ET	USA 66637224		C				
	MARTANNA COLDSRING CYCLONE	USA 71303398						1
	MARTANNA FLYN CARL-ET	USA 72242888						
	MARTANNA FLYN CHARLIE-ET	USA 72242890						
	MARTANNA GALLON CAESAR-ET	USA 71303390						
	MARTANNA GALLON CALEB-ET	USA 71303393						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MARTANNA GALLON CALIENTE-ET	USA 71303392						
	MARTANNA GALLON CHEVELL-ET	USA 71303391						
	MARTANNA GOLD CHIP BAJA	USA 71303395						
	MARTANNA HARTFORD CLIFFORD	USA 73761745						
	MARTANNA HEADLINER PRINCELY	USA 72242867						
	MARTANNA HERO BRIAN-ET	USA 72242886						
	MARTANNA HILL BLAKE	USA 71303396						
	MARTANNA LA-BRON BEEFSTEAK	USA 73761734						
	MARTANNA LA-BRON CARL-LE-ET	USA 73761739						
	MARTANNA LARGE BACONATOR-ET	USA 71303397						
	MARTANNA LARGE BAZINGA-ET	USA 71303401						
	MARTANNA LARGE BOJANGLES-ET	USA 71303399						
	MARTANNA LARGE BOOYA-ET	USA 71303400						
	MARTANNA LAYNE BRADY	USA 72242849						
	MARTANNA MACK PAYDAY-ET	USA 73761733						
	MARTANNA MACK PHANTOM-ET	USA 73761731						
	MARTANNA MACK PINTO-ET	USA 73761732						
	MARTANNA MACK PIPSQUEAK-ET	USA 73761730						
	MARTANNA MACK PLAYBOY-ET	USA 73761735						
	MARTANNA MART PAUL	USA 71483598						
	MARTANNA MAYFIELD BACHELOR	USA 72242845			C			
	MARTANNA MAYFIELD BARNET-ET	USA 72242846						
	MARTANNA MAYFIELD BARNEY-ET	USA 72242847		C				
	MARTANNA MAYFIELD BEN-ET	USA 71303412		C				
	MARTANNA MAYFIELD BIGALO-ET	USA 71303409			C			
	MARTANNA MAYFIELD BILLBO-ET	USA 72242841						
	MARTANNA MAYFIELD BOB-ET	USA 72242840						
	MARTANNA MAYFIELD BRUNO-ET	USA 72242839		C	C			
	MARTANNA MONTROSS BOSS-ET	USA 73761750						
	MARTANNA MONTRSS BARITON-ET	USA 73761749	C					
	MARTANNA MONTRSS BIGFOOT-ET	USA 73761748	C					
	MARTANNA NOMINEE POPCORN-ET	USA 73761738						
	MARTANNA OAK BANANA-ET	USA 72242889						
	MARTANNA OAK BATMAN-ET	USA 72242871						
	MARTANNA OAK BEAR-ET	USA 72242892						
	MARTANNA OAK BONGO-ET	USA 73761737						
	MARTANNA OAK BUBBALEE-ET	USA 72242872						
	MARTANNA OAK BULLSEYE-ET	USA 72242891						
	MARTANNA OBSERVER BROSKI	USA 72242881					C	
	MARTANNA PARADISE PARROT-ET	USA 72242863						
	MARTANNA PARTYROCK DASHER	USA 73761741			C			
	MARTANNA PLANET BRANDON	USA 73761746						
	MARTANNA PLANET KATALYST	USA 71303402			C			
	MARTANNA PUNCH BLAISE	USA 71303407						
	MARTANNA PUZZLE BROOK-ET	USA 72242876						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MARTANNA PUZZLE BUBBLES-ET	USA 72242877						
1HO10072	MARTANNA RAMOS BROOKS	USA 66637228						
	MARTANNA RODGERS BANDITO	USA 73761761						
	MARTANNA SHAN COCKTAIL	USA 72242864						
	MARTANNA SHOT COOL-AIDE	USA 72242857					C	
	MARTANNA SKODA BOOMER-ET	USA 73761754						
	MARTANNA SKODA BRICHOUSE-ET	USA 73761751						
	MARTANNA SUDAN BARRY	USA 72242850		C				
1HO10858	MARTANNA SUPER CID	USA 70001093						
	MARTANNA SUPERSIRE BAMBI-ET	USA 72242855						
	MARTANNA SUPERSIRE BEN	USA 72242851						
	MARTANNA SUPERSIRE BUZZ-ET	USA 72242858						
	MARTANNA SUPRSIR BANSHEE-ET	USA 72242856						
	MARTANNA TANGO CRAYOLLA	USA 73761740		C				
	MARTANNA TRED BROOKSIE	USA 70001096		C				
	MARTANNA YANCE BERKLEY-ET	USA 72242883						
	MARTANNA YANCE COKE	USA 73761742						
	MARTANNA ZELGADIS CALHOU-ET	USA 72242848						
	MARTANNA ZELGADIS COSMO-ET	USA 71303403						
	MARTHAS ATWOOD MAGNUS	USA 73129527						
	MARTHAS UNO MAX	840003128057820						
200HO01802	MARTHAVEN TEMPTATION	CAN 9451740						
7HO10343	MARTIN-ALPHA PRICEY-ET	USA 65517019					C	1
	MARTIN-ALPHA PRONTO POPPY	USA 65517031					C	
76HO00077	MARTIN-PLACE-HL MARK HORACE	USA 2046837	C					
	MARTINET REACTION-ET	CAN 6540258						
14HO03989	MARTINHOLM BOMBAY SID-ET	USA 131373196						
14HO03172	MARTINHOLM RYAN-ET	USA 18034187	C					
73HO02151	MARUJO PROGRESSIVE-RED-ET	CAN 5603369						
	MARVANS CHARGER-ET	CAN 6201593						
	MARVANS DAKOTA-ET	CAN 6149653						
	MARVANS DAVINCI-ET	CAN 6091862						
39HO00651	MARVANS ELVIS	CAN 6091867						
71HO01481	MARVANS LIGHTNING-ET	CAN 6052155						
28HO00572	MARVANS SOCRATES	CAN 6052150						
200HO06648	MARYCLERC ALLEGRO P-ET	CAN 108380430						1
200HO05930	MARYCLERC B SUPERBUCK-ET	CAN 104862629						
200HO05986	MARYCLERC B VIRTUOSE-ET	CAN 105093447				C		
	MARYCLERC B VIVALDI-ET	CAN 105537965						
200HO05775	MARYCLERC CABRIOLET	CAN 104210016	C					
	MARYCLERC CUSTOM-ET	CAN 101542116						
	MARYCLERC HYDRO-ET	CAN 103094315						
200HO06670	MARYCLERC LORIGINAL-ET	CAN 108380464					C	
200HO10417	MARYCLERC MAGICITY-ET	CAN 108726580						
200HO04995	MARYCLERC MIDDLE	CAN 100498250	C					

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO06191	MARYCLERC SCARLO-ET	CAN 106015335						
182HO00914	MARYCLERC SKYLAR-RED-ET	CAN 108726599						
200HO05102	MARYCLERC SPARKLY-ET	CAN 101392370						
200HO10346	MARYCLERC SPITFIRE-ET	CAN 108726561						
11HO08430	MARYCLERC SPLENDOR-ET	CAN 101627595						
200HO06474	MARYCLERC SUCCESS-ET	CAN 106807400						
200HO05598	MARYCLERC SYMPHONY-ET	CAN 103506684						
147HO02436	MARYCLERC YODA-ET	CAN 107380601						
1HO02222	MARYLEE COMMOTION DIABLO	USA 2284985						
	MARYLEE MEGA-MAN FARLEY 111	840003005930703						
	MARYLEE PLANET DUTCH 112-ET	840003005390800			C			
	MARYLEE PLANT DANIEL 110-ET	840003005930722			C			
1HO08556	MARYLEE TREDWAY ARCHER 106	USA 135389333						
11HO09639	MARYLINE ALTAENERGY-ET	USA 136117346						
11HO09704	MARYLINE ALTAREGIS-ET	USA 136031000			C			
11HO10073	MARYLINE ALTAVICTOR-ET	USA 137961256						
14HO04320	MARYLINE CAPRI RAINIER-ET	USA 133179510						
	MARYLINE DIESEL-ET	USA 136031037						
14HO04940	MARYLINE DOMINO-ET	USA 135733178						
14HO04930	MARYLINE DRIGGS-ET	USA 135733169						
200HO09010	MARYLINE EPIC-ET	USA 134416391						
7HO09527	MARYLINE LAZER-ET	USA 137961274						
	MARYLINE MR RUSH-ET	USA 140080182						
	MARYLINE OGAR-ET	USA 136515201						
200HO02104	MARYLINE ORBIT-ET	USA 136515180						
14HO03048	MARYLINE PATRON FAVRE-ET	USA 17232560						
14HO04493	MARYLINE RACER	USA 134408510						1
14HO04944	MARYLINE RADICAL-ET	USA 135733208						
7HO08761	MARYLINE SARGE-ET	USA 136030876			C			
14HO04941	MARYLINE TORQUE-ET	USA 135733187						
	MARYLINE TROY-ET	USA 136073895						
14HO04971	MARYLINE TUXEDO-ET	USA 135733226	C					1
7HO07628	MARYLINE WEBSTER FOCUS	USA 131984376	C					
200HO04237	MARYNOLE SONIC	USA 123327798						
1HO02214	MASAL ALAN STED LEADER-ET	USA 2276902						
14HO02716	MASAL CARLOS CELSIUS-ET	USA 2279099						
	MASAL ERASER DUKE 7078-ET	840003127041472						
73HO01853	MASAL FORMULA-RED-ET	USA 2145772						
204HO01748	MASCOL-ET	DEU 578891748						
	MASSICOTTE MAJEUR	CAN 10794126						
	MASSICOTTE MANDOLIN-ET	CAN 102940577						3
200HO05211	MASSICOTTE NIRVANA-ET	CAN 101709244						
202HO00787	MASTERPLAN-ET	DEU 354097940						3
	MATCREST ALCHEMEY GAMBLE-ET	USA 141842574						1
	MATCREST ALCHEMY GMC-ET	USA 141842565						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATCREST ALRIGHT 193-ET	USA 142856532						
	MATCREST ALTALEAF 265-ET	840003128055743						
	MATCREST ALTALEAF 270-ET	840003128055748						
11HO10867	MATCREST ALTATRILLION-ET	USA 140193314						
	MATCREST AMERICA-RED-ET	USA 143008914						
	MATCREST BALISTO 159-ET	USA 142744338						
	MATCREST BALISTO 160-ET	USA 142744347						
	MATCREST BALISTO 161-ET	USA 142744356						
	MATCREST BALISTO 163-ET	USA 142770344						
	MATCREST BALISTO 184-ET	USA 142924912						
	MATCREST BALISTO 185-ET	USA 142924891						
	MATCREST BOGART LEONIDAS-ET	USA 140493339						
	MATCREST BOGART LEWIS-ET	USA 140493357			C			
	MATCREST BOGART LIMELITE-ET	USA 140539510						
7HO11589	MATCREST BOOK CASTEL-ETS	USA 141017811					C	
250HO11590	MATCREST BOOK CEDARVILE-ETS	USA 141017820					C	
29HO16369	MATCREST BOOKEM CAMEL-ET	USA 141017790						
29HO16370	MATCREST BOOKEM CARTMAN-ET	USA 141017802					C	
	MATCREST BOW LAST CALL-ET	USA 140855067						
	MATCREST BOWSER HANNITY-ET	USA 140786903						
	MATCREST BREKEM 179-RED-ET	USA 142906693						
	MATCREST CALABASAS	USA 140665730						
	MATCREST CALIBRA-ET	USA 141777580						
29HO18141	MATCREST CALIXTO-ET	840003128055733						
	MATCREST CAMERON 80-ET	USA 141991915						
	MATCREST CAMERON 87-ET	USA 142066005						
200HO10654	MATCREST CAPEMAY-ET	840003128055765						
	MATCREST CARABELLA 127-ET	USA 142484281						
	MATCREST CASANOVA-ET	USA 140497388						
	MATCREST CENTURY	USA 142400414						3
	MATCREST CHAMP 124 P-ET	USA 142417708						1
29HO18140	MATCREST CHANDLER-ET	840003128055744						
29HO16951	MATCREST CHEESEHEAD-ET	USA 142096761						
	MATCREST CHEVEROLET 194-ET	USA 143003656						
	MATCREST CHEVEROLET 200-ET	USA 143005443						
	MATCREST CHEVROLET 180-ET	USA 142906714						
	MATCREST CHEVROLET 183-ET	USA 142906796						
	MATCREST CM LANE-ET	USA 141768490						
	MATCREST CM LANG-ET	USA 141683100						
	MATCREST CM LARS-ET	USA 141768481						
	MATCREST CM LEVI-ET	USA 141842583						
	MATCREST CM LEWIS-ET	USA 141683146						
	MATCREST CM LIONEL-ET	USA 141683137						
29HO16975	MATCREST COLORADO-ET	USA 142139547					C	
	MATCREST CONVICT 111-ET	USA 142286593						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATCREST CONVICTION 112-ET	USA 142295085					C	
	MATCREST COSMO 113-ET	USA 142295094						
	MATCREST COSMO 114-ET	USA 142313714						
	MATCREST COSMO 116-ET	USA 142302471						
	MATCREST DAMARIS 297-ET	840003128055775						
	MATCREST DAMARIS 306-ET	840003128055784						
	MATCREST DEFENDER 198-ET	USA 143003599						
	MATCREST DEFENDER 204-ET	USA 143003647						
	MATCREST DEFENDER 208-ET	USA 143045571						
	MATCREST DETERMINE 139-ET	USA 142497991			C			
	MATCREST DUCATI 162-ET	USA 142756159						
	MATCREST DUCATI 164-ET	USA 142756168						
29HO17830	MATCREST ELEMENT-ET	USA 142906750						
	MATCREST EPIC 76-ET	USA 141950251						
	MATCREST EPIC 78-ET	USA 141992372					C	
	MATCREST EPIC 81-ET	USA 142007639						
	MATCREST EPIC 82-ET	USA 142026418						
	MATCREST EPIC 83-ET	USA 142026427						
	MATCREST EPIC 84-ET	USA 142039696						
29HO17757	MATCREST ERNEST-ET	USA 142705470						
	MATCREST FACEBOOK CLAY-ET	USA 141683098						
	MATCREST FRANZ LAMONT-ET	USA 141768511						
	MATCREST FREDDIE JADE-ET	USA 141017110						
	MATCREST GALAXY 125-ET	USA 142431050						
	MATCREST GANESA 284-ET	840003128055762						
	MATCREST GILBY 74-ET	USA 141913229						
29HO16950	MATCREST GLOBULL-ET	USA 142099175						
	MATCREST GOLDA 346-ET	840003134106727						
	MATCREST GOLDA 347-ET	840003134106728						
	MATCREST GOLDA 348-ET	840003134106729						
	MATCREST GOLDA 349-ET	840003134106730						
	MATCREST GOLDA 350-ET	840003134106731						
	MATCREST GOLDA 351-ET	840003134106732						
	MATCREST GOLDA 352-ET	840003134106733						
29HO17813	MATCREST GOOGLE-ET	USA 142845570						
29HO17759	MATCREST GRACIN-ET	USA 142770353						
	MATCREST GRADY-ET	840003128055727						
29HO17758	MATCREST GRAZER-ET	USA 142733116						
29HO16976	MATCREST GREENBAY-ET	USA 142189092						
29HO17714	MATCREST GRILLER-ET	USA 142659407						
	MATCREST GUNNAR 104-ET	USA 142201435						3
	MATCREST HALOGEN 188-ET	USA 142982220						
	MATCREST HAYDEN LOMBARDI-ET	USA 140302064			C			
	MATCREST HAYDEN LUCAS-ET	USA 140493348						
	MATCREST HEADLINER 120	USA 142354982						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATCREST HIGHWAY 102-ET	USA 142201417						
	MATCREST HIGHWAY 103-ET	USA 142201426					C	
	MATCREST HIGHWAY 92	USA 142096800						
	MATCREST HRH LAD-ET	USA 142098473						
	MATCREST HRH LONIC-ET	USA 142057746						
	MATCREST IOTA CIVIL-ET	USA 141352736						
	MATCREST IOTA COOPER-ETS	USA 141415646						
	MATCREST JACEY 173-ET	USA 142845561						
	MATCREST JACKMAN 132-ET	USA 142541560						
	MATCREST JACKMAN 133-ET	USA 142541579						
	MATCREST JACKMAN 134-ET	USA 142541588						
	MATCREST JACKMAN 135-ET	USA 142541597						
	MATCREST JACKMAN 136-ET	USA 142541609						
	MATCREST JACKMAN 138-ET	USA 142541627						
	MATCREST JEEVES LANDON-ET	USA 140034408						
	MATCREST JEEVES LJ-ETS	USA 140034396						
1HO10804	MATCREST JL CICERO-ET	USA 141325998					C	
	MATCREST JL LIESL CHIP-ET	USA 141200365						
	MATCREST JL RAVISH CAPPS-ET	USA 141152224					C	
	MATCREST JL RAVISH CASH-ET	USA 141152215					C	
	MATCREST KINGBOY 238-ET	840003128055716						
	MATCREST LADD 105 P-ET	USA 142263381						1
	MATCREST LADD 109 P-ET	USA 142282058						1
200HO02717	MATCREST LADVISOR-ET	USA 140622449						
	MATCREST LAME-ET	USA 141768548						
	MATCREST LATIMER 117-ET	USA 142338508						
	MATCREST LATIMER 121-ET	USA 142354991						
	MATCREST LATIMER 122	USA 142367973						
	MATCREST LES PAUL-ET	USA 141694201						
	MATCREST LEXOR 97-ET	USA 142139565					C	
1HO10281	MATCREST LIMESTONE-ET	USA 140539529						
29HO14719	MATCREST LINCEY-ET	USA 140034417						
	MATCREST LONG 168 P-ET	USA 142835498						
	MATCREST LONG P 166-ET	USA 142790311						
200HO06202	MATCREST LONNI-ET	USA 140131235						1
	MATCREST LOTTOMAX 229-ET	USA 143147611						
	MATCREST LOTTOMAX 232-ET	840003128055710						
	MATCREST LOTTOMAX 233-ET	840003128055711						
	MATCREST LOTTOMAX 234-ET	840003128055712						
	MATCREST LOTTOMAX 235-ET	840003128055713						
	MATCREST MACK 177-ET	USA 62297800						
	MATCREST MACK 178-ET	USA 142906639						
	MATCREST MC 130-ET	USA 142496897						
	MATCREST MC 131-ET	USA 142502198						
	MATCREST MCUTCHEN 126-ET	USA 142476996						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATCREST MISSOURI 274-ET	840003128055752					C	
	MATCREST MISSOURI 275-ET	840003128055753					C	
	MATCREST MISSOURI 276-ET	840003128055754			C		C	
	MATCREST MISSOURI 278-ET	840003128055756					C	
	MATCREST MISSOURI 280-ET	840003128055758					C	
	MATCREST MISSOURI 281-ET	840003128055759						
	MATCREST MISSOURI 283-ET	840003128055761						
	MATCREST MITEY CARHART P-ET	USA 141129592						
	MATCREST MITEY CHAMP P-ET	USA 141103921						1
1HO10625	MATCREST MITEY CHASE-ET	USA 141103912						
	MATCREST MITEY CHEVY-ET	USA 141103903						
	MATCREST MOGUL 93-ET	USA 142130388					C	
	MATCREST MOGUL 96-ET	USA 142139556					C	
14HO07421	MATCREST MOGUL GINO 110-ET	USA 142286584						
	MATCREST MOM LARSON-ET	USA 141563022						
	MATCREST MONTEREY 236-ET	840003128055714						
	MATCREST MONTEREY 243-ET	840003128055721						
	MATCREST MONTEREY 244-ET	840003128055722						
	MATCREST MONTEREY 245-ET	840003128055723						
	MATCREST MONTEREY 246-ET	840003128055724						
	MATCREST MONTEREY 313-ET	840003128055791						
	MATCREST MONTEREY 314-ET	840003128055792			C			
	MATCREST MONTROSS 218-ET	USA 143113625						
	MATCREST MONTROSS 220-ET	USA 143113689						
	MATCREST MONTROSS 221-ET	USA 143113698						
	MATCREST MONTROSS 222-ET	USA 143113700						
	MATCREST MONTROSS 225-ET	USA 143147581						
	MATCREST MONTROSS 226-ET	USA 62297849						
	MATCREST MONTROSS 269-ET	840003128055747						
	MATCREST NOMINEE 199-ET	USA 143003601						
	MATCREST NOMINEE 203-ET	USA 143003638						
	MATCREST OAK 145-ET	USA 142659386						
	MATCREST OAK 146-ET	USA 142659395						
	MATCREST OAK 148-ET	USA 142705434						
	MATCREST OAK 149-ET	USA 142705443						
	MATCREST OAK 150-ET	USA 142705452						
	MATCREST OAK COLUMBUS	USA 142626588						
	MATCREST OCTOBERFEST 289-ET	840003128055767						
	MATCREST OCTOBERFEST 301-ET	840003128055779						
	MATCREST OCTOBERFEST 304-ET	840003128055782						
	MATCREST OLEGANT 98-ET	USA 142189074						
	MATCREST OLYMPIAN 187-ET	USA 142982211						
	MATCREST OLYMPIAN 189-ET	USA 142982284						
	MATCREST OLYMPIAN 190-ET	USA 142982293						
	MATCREST OLYMPIAN 195-ET	USA 143003665						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATCREST OLYMPIAN 201-ET	USA 143003610						
	MATCREST OLYMPIAN 211-ET	USA 62297834						
	MATCREST OLYMPIAN 212-ET	USA 143045601						
	MATCREST OLYMPIAN 213-ET	USA 143045610						
	MATCREST OLYMPIAN 217-ET	USA 143113607						
	MATCREST OLYMPIAN 227-ET	USA 143147590						
	MATCREST OLYMPIC-RED-ET	USA 143003580						
	MATCREST OSTYLE CAMPO-ET	USA 141497091			C			
29HO16109	MATCREST OTTO LISTERINE-ET	USA 140698819						
	MATCREST PARKER LAYNE-ET	USA 141415637						
	MATCREST PERRY 79	USA 141992381						
183HO02135	MATCREST PLANET LANCE-ET	USA 140302082						
29HO14997	MATCREST PLANET LARRY-ET	USA 140302091						
	MATCREST PLANET LAW-ET	USA 140302073						
	MATCREST PLATNIUM 140-ET	USA 142575097			C		C	
	MATCREST POWER CASH IN-ET	840003128055793						
	MATCREST POWERBALL 279-ET	840003128055757						
	MATCREST POWERBALL 282-ET	840003128055760						
	MATCREST POWERBALL 311-ET	840003128055789						
	MATCREST POWERBALL 312-ET	840003128055790						
	MATCREST PREDESTINE 156-ET	USA 142733134						
	MATCREST PREDESTINE 157-ET	USA 142733170						
	MATCREST PREDESTINE 158-ET	USA 142733189						3
	MATCREST PREN LIBERTY-ET	USA 140622476						
	MATCREST PRENTICE LES-ET	USA 140622430						
	MATCREST PRENTICE LYRIC-ET	USA 140622467						
	MATCREST PURE 214-ET	USA 143113559						
	MATCREST PURE 215-ET	USA 143113568						
	MATCREST PURE 216-ET	USA 143113586						
	MATCREST PURE 228-ET	USA 143147602						
	MATCREST PURE 230-ET	USA 143147572						
	MATCREST PURE 268-ET	840003128055746						
	MATCREST PURE 271	840003128055749						
	MATCREST PURE 272-ET	840003128055750						
	MATCREST RACER 202-ET	USA 143003629						
	MATCREST REFLECTOR 219	USA 143113643						
	MATCREST SEQUESTER-ET	USA 142906732						
29HO16627	MATCREST SHAM CHARLIE-ET	USA 141577292						
	MATCREST SHAMROCK 85	USA 142039708						
29HO16686	MATCREST SHAMROCK GUY-ET	USA 141683089						
	MATCREST SHAN 118-ET	USA 142354973						
	MATCREST SHAN 119-ET	USA 142378627						
	MATCREST SPRING 277-ET	840003128055755						
	MATCREST STOIC 231-ET	840003128055709						
	MATCREST SUDAN 75-ET	USA 141950242						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATCREST SUDAN 77-ET	USA 141950260						
	MATCREST SUDAN 91-ET	USA 142099205						
	MATCREST SUDAN CREST-ET	USA 141907954					C	
29HO16786	MATCREST SUDAN CULVERS-ET	USA 141907963						
	MATCREST SUDAN LAUD-ET	USA 141768539						
183HO02157	MATCREST SUPER LOOPY-ET	USA 140635337						
	MATCREST SUPER LOTTO-ET	USA 140635328						
	MATCREST SUPERSHOT 302-ET	840003128055780			C			
	MATCREST SUPERSHOT 305-ET	840003128055783						
	MATCREST SUPERSHOT 307-ET	840003128055785						
	MATCREST SUPERSIRE 141-ET	USA 142575109						
	MATCREST SUPERSIRE 142-ET	USA 142596524						
	MATCREST SYMPATICO 167-ET	USA 142790290						
	MATCREST TANGO 170-ET	USA 142835500		C				
	MATCREST TANGO 171-ET	USA 142835519		C				
	MATCREST TANGO 172-ET	USA 62297795						
	MATCREST TANGO 175-ET	USA 142845598						
	MATCREST TANGO 176-ET	USA 142845619						
	MATCREST TANGO 186-ET	USA 142981984		C				
	MATCREST TANGO 191-ET	USA 142982408		C				
	MATCREST TANGO 207-ET	USA 143008866						
	MATCREST TEACHER 192-ET	USA 142856523						
	MATCREST TROY 251-ETS	USA 143220404						
	MATCREST TROY 252-ETS	USA 143220413						
	MATCREST UNO 88-ET	USA 142096752						
	MATCREST WILDBEAST 205-ET	USA 143008325						
	MATCREST WILDBEAST 209-ET	USA 143045580						
	MATCREST WILLPOWER 151-ET	USA 142705461	C					
	MATCREST XPLOSIVE-ET	USA 141700593						
	MATCREST YODER 310	840003128055788						
200HO07609	MATILDA ARAMBURU	ITA 34990414338						
	MATT-DARI AIRNET DABBLE-ET	USA 71667903						
	MATT-DARI AIRNET DYLAN-ET	USA 71667940						
14HO05923	MATT-DARI AIRRAID DARMAX	USA 138787420						
	MATT-DARI AL DEREK	USA 68958385						
	MATT-DARI AL LAWSON-TW	USA 68958374						
	MATT-DARI AL LAWTON-TW	USA 68958375						
	MATT-DARI ALTA DUBLIN-ET	USA 68958578						
11HO10173	MATT-DARI ALTAHARDSIDE-ET	USA 138365996						
	MATT-DARI ARMITAGE DAILEY	USA 68958563						
	MATT-DARI ARMITAGE DANE-ET	USA 68958549						
14HO06359	MATT-DARI ARMSTEAD DURAND	USA 66614790						
9HO02126	MATT-DARI B-MARK GENIOUS-ET	USA 2253926						
	MATT-DARI BELUGA FABIAN-ET	USA 72596555						
	MATT-DARI BOMBERO DUBI-ET	USA 73727271						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATT-DARI CAMERON DUDE-ET	USA 71667848						
	MATT-DARI CAMERON PADRE-ET	USA 68958564						
	MATT-DARI CAMERON PAX-ET	USA 68958566						
	MATT-DARI CASHCOI DUSTIN-ET	USA 72596536						3
	MATT-DARI CASHCOIN DARON-ET	USA 72596538						3
	MATT-DARI CASHCOIN DUKE-ET	USA 72596534						
	MATT-DARI CASHCOIN PARRY	USA 72596561						1
	MATT-DARI DARIEN-ET	USA 138366009						
	MATT-DARI DAY FAME	USA 71667924						
	MATT-DARI DEFENDER DREW-ET	USA 72596562						
	MATT-DARI DEFENDER DUFF-ET	USA 72596564						
	MATT-DARI DEFENDER DUKE-ET	USA 72596570						
	MATT-DARI DELMORE CRI-ET	USA 64541689						
1HO09984	MATT-DARI DELWYN CRI-ET	USA 64541688						
29HO13661	MATT-DARI DEVLIN-ET	USA 137956601						
	MATT-DARI DEYJA POLO-ET	USA 73727253						
	MATT-DARI DEYJA PRIMO-ET	USA 73727259						
29HO13667	MATT-DARI DRIVER-ET	USA 137956580						
1HO09649	MATT-DARI ELE DUSTIN CRI-ET	USA 63285282						
14HO05676	MATT-DARI ELEGANT DION-ET	USA 137956599						
14HO07251	MATT-DARI EPIC PACK-ET	USA 68958581						
	MATT-DARI EPIC PILOT-ET	USA 68958585					C	
	MATT-DARI EPIC PRIMO-ET	USA 68958584						
	MATT-DARI GOLDCHIP DARE-ET	USA 68958568						
	MATT-DARI GOLDCHIP DEVIL-ET	USA 68958569						
	MATT-DARI GOLDWYN DAYTON-ET	USA 139692079						3
	MATT-DARI HALOGEN DARIO-ET	USA 72596554						
	MATT-DARI HALOGEN DAVEY-ET	USA 72596559						
	MATT-DARI HALOGEN DRAGON-ET	USA 72596549						
	MATT-DARI HGHWY DAWSON-ET	USA 72596479						
	MATT-DARI HIGHWA DICKENS-ET	USA 71667884						
	MATT-DARI HIGHWAY DANIEL-ET	USA 72596480						
	MATT-DARI HIGHWAY DAWSON-ET	USA 71667885						
	MATT-DARI HIGHWAY DION-ET	USA 72596481						
	MATT-DARI HUNTER DART-ET	USA 71667845						
	MATT-DARI JABIR DANTE-ET	USA 73727218						
	MATT-DARI JABIR DAWIT-ET	USA 72596573						
	MATT-DARI JETSET DATA-ET	USA 73727239						
	MATT-DARI JETSET DODGE-ET	USA 73727240						
	MATT-DARI LOTTOMAX MAIZ	USA 74141001						
7HO09830	MATT-DARI LOU DECK-ET	USA 138517311						
	MATT-DARI MAN-O-MAN PRO-ET	USA 68958418					C	
	MATT-DARI MAURICE LION-ET	USA 71667916						
	MATT-DARI MIXER LARSON-ET	USA 71667879						
	MATT-DARI MIXER LASSO-ET	USA 71667878						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MATT-DARI MIXER LION-ET	USA 71667872			C			
	MATT-DARI MIXER LUKE-ET	USA 71667881			C			
	MATT-DARI MIXER PROMOTE-ET	USA 71667865					C	
14HO07360	MATT-DARI MOGUL FLYNN-ET	USA 71667900						
14HO07340	MATT-DARI MOGUL PAYTON-ET	USA 71667860						
	MATT-DARI NUMERO DURWIN-ET	USA 71667853						
14HO06891	MATT-DARI OBSERVER DERWIND	USA 68958467						3
	MATT-DARI OBSRVR DEVLIN-ET	USA 68958471						
29HO17554	MATT-DARI PALMER	USA 71667870						
	MATT-DARI PORTER-ET	USA 68958419						
	MATT-DARI PREDES PIERSON-ET	USA 72596542						3
	MATT-DARI PREDES PRESLEY-ET	USA 72596544						3
	MATT-DARI PREDEST POWELL-ET	USA 72596543						
	MATT-DARI PREDESTIN PAUL-ET	USA 72596540						
	MATT-DARI PUNCH DALE-ET	USA 72596496						
	MATT-DARI PUNCH DALLAS-ET	USA 72596495						
	MATT-DARI PUNCH DARIUS-ET	USA 72596504						
	MATT-DARI PUNCH DECAL-ET	USA 71667877						
	MATT-DARI PUNCH DIXON-ET	USA 72596494						
29HO09295	MATT-DARI R-HERO MIGHTY-ET	USA 17184664						
	MATT-DARI RACER PASSIT-ET	USA 73727284					C	
	MATT-DARI SALVIN PROCTOR-ET	USA 73727264					C	
	MATT-DARI SALVINO PRICE-ET	USA 73727261						
	MATT-DARI SALVINO PRYOR-ET	USA 73727265						
1HO10626	MATT-DARI SEBASTIAN DORITO	USA 68958469						
	MATT-DARI SHAK POWERBALL-ET	USA 73727231					C	
7HO09754	MATT-DARI SHARKY DAYTON-ET	USA 138057109						
1HO09500	MATT-DARI SHARKY DOLAR-ET	USA 138448239						
1HO09647	MATT-DARI SHRK DARBY CRI-ET	USA 63285280						
	MATT-DARI STOIC DEERE	USA 73727299						
	MATT-DARI STU DESMOND	USA 68958466					C	
	MATT-DARI SUPER DENALI-ET	USA 68958427						
	MATT-DARI SUPER DIXON-TW	USA 68958483						
	MATT-DARI SUPER DORSET	USA 68958526						
	MATT-DARI SUPER PRINCE	USA 68958417					C	
	MATT-DARI SUPERSI MADDEN-ET	USA 71667930						
	MATT-DARI SUPERSIR MONEY-ET	USA 71667927						
	MATT-DARI SUPERSIRE MOE-ET	USA 71667931						
	MATT-DARI SYR PRICE-ETS	USA 73727279						
	MATT-DARI SYRA PURDUE-ETS	USA 73727278						
	MATT-DARI TANGO DUNLOP-ET	USA 73727224						
94HO17301	MATTENHOF SIRWOOD	CHE120065814601						
	MATTIJACK EMERALD RUFFUS	USA 141961455	C					
200HO01186	MAUGHLIN ICE-ET	CAN 6875242						
	MAUGHLIN LIGHTNING-ET	CAN 5756357						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAUGHLIN SPEED-ET	CAN 10789748						
73HO02012	MAUGHLIN STORM-ET	CAN 5457798						1
	MAUMEE-ACRES ZELLER 712-ET	USA 142253722						
94HO17998	MAVERICK CRUSH	CAN 12042760					C	
	MAVERICK HAL BRIN 592	USA 73963313						
	MAVIEW AFTERSHOCK LUC 1147	USA 72392320	C					
	MAY BLOSSOM LORENZO-ET	CAN 7696554						
200HO01895	MAYBLOSSOM ALFREDO-ET	CAN 8744342						
200HO01797	MAYBLOSSOM ANGELO-ET	CAN 8744310	C					
	MAYBLOSSOM ANTONIO	CAN 8590329						
200HO01343	MAYBLOSSOM ARNOLD-ET	CAN 9079325	C					
	MAYBLOSSOM ATLANTIC-ET	CAN 8744318						
200HO01889	MAYBLOSSOM CHANDLER-ET	CAN 8744360						
	MAYBLOSSOM DARROW-ET	CAN 9079326						
	MAYBLOSSOM DARWIN-ET	CAN 8478476						
	MAYBLOSSOM DEMETRIUS	CAN 9079350						
200HO01947	MAYBLOSSOM FERDINAND-ET	CAN 8744397	C					
200HO01504	MAYBLOSSOM GUILLAUME-ET	CAN 9193334						
	MAYBLOSSOM LINDBERG-ET	CAN 8478485						
	MAYBLOSSOM MONTGOMERY-ET	CAN 9193339						
200HO01664	MAYBLOSSOM MORGAN-ET	CAN 8478483						
200HO01891	MAYBLOSSOM NEPTUNE-ET	CAN 8744362						
200HO01890	MAYBLOSSOM PARAGON-ET	CAN 8744352						1
200HO02429	MAYBLOSSOM PARNEL-ET	CAN 7966634	C					
200HO01894	MAYBLOSSOM ROMULUS-ET	CAN 8744349	C					
11HO08207	MAYBLOSSOM SHOWDOWN-ET	CAN 8590369						
7HO07221	MAYBLOSSOM SILVESTOR-ET	CAN 8478457						
	MAYBLOSSOM SOCRATES-ET	CAN 8590367						
11HO09159	MAYBLOSSOM STORMONT-ET	CAN 8744391						
200HO01968	MAYBLOSSOM STYLIST-ET	CAN 7497668						
	MAYERLANE ACME CHESTER	USA 72005856						1
200HO02000	MAYERLANE ALL-ET	USA 135690365						
29HO11866	MAYERLANE ALL-RIGHT-ET	USA 135129427						
29HO11999	MAYERLANE ATLANTIS-ET	USA 135565164						
	MAYERLANE BACARDI-ET	USA 127086392						
	MAYERLANE BOLD-ET	USA 17375261	C					
	MAYERLANE BOLO-ET	USA 127086598						
	MAYERLANE CATNIP-ET	840003130383611						
	MAYERLANE GOLDSUN PETE-ET	USA 142452523	C				C	
1HO07473	MAYERLANE KEYHOLE CRI-ET	USA 60807849						
11HO05118	MAYERLANE MANDEL BARKLEY	USA 17171036						
70HO00730	MAYERLANE VISTA-ET	USA 2159770	C					
	MAYERLANE-DK PHARRO	USA 128919279						
	MAYERLANE-DK PROGRESSIVE-ET	USA 128919028	C					
200HO01481	MAYERLANE-DK ROXTON	USA 129080860						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAYERLANE-I ARGON-ET	CAN 7528905						
73HO02236	MAYERLANE-SA CHERRY-RED-ET	USA 2215754						
	MAYERLANE-SA CORDARO-RED-ET	USA 2215759						
14HO06221	MAYERS COLBY VICIOUS	840003005567750	C	C				
1HO00109	MAYERS DUKE MAJESTY FOBES	USA 1338728						
	MAYERS LIGHTNING-ET	USA 2134517						
	MAYERS ROMANCE	USA 17350621	C					
	MAYPAR BEACON DIGS	USA 141188089						3
	MAYPAR CALICO TARO	USA 142484722						
14HO05319	MAYPAR LATCH-ET	USA 137097672		C				
14HO05708	MAYPAR LIBERATOR-ET	USA 138362957		C				
	MAYPAR LITHIUM INFINITE	USA 142660759						
7HO09137	MAYPAR LUMINARY	USA 137117152						
	MAYPAR MICH LINEMAN-ET	USA 141056537						
	MAYPAR MICHAEL LAWMAN-ET	USA 140707056						
	MAYPAR MICHAEL LEGAL-ET	USA 140325575						
	MAYPAR PLANET LEFTY-TW	840003005027129		C				
	MAYPAR SUPERSIRE LOTHARIO	USA 142660777						
14HO05112	MAYVAL ABOUT-FACE	USA 136375960						
14HO06119	MAYVAL ACER	840003005567758						
	MAYVAL ALDERMAN	USA 140621859			C			
	MAYVAL BOOKEM 3759	USA 141474218					C	
	MAYVAL BOOKEM 7765	USA 142118663						
	MAYVAL BOWSER 3727	USA 141159593						
1HO03840	MAYVAL CHALET MCCOY-RED-ET	USA 2282536						
	MAYVAL CHEEVES	USA 140600724						
1HO06286	MAYVAL DIVIDEND	USA 17390559						
	MAYVAL EPIC 7775	USA 142118681						
	MAYVAL GAMBLER 5061	USA 143274775						
	MAYVAL GATSBY	USA 140621840			C			
29HO11794	MAYVAL HERNDON-ET	USA 134814256						
8HO01892	MAYVAL MEMORIAL VETERAN	USA 1987634						
	MAYVAL MOGUL 9610	USA 142225620						
	MAYVAL MOM 3716-ET	USA 141202367						
	MAYVAL MOM 3718-ET	USA 141162744						
	MAYVAL MOM 3720-ET	USA 141202385						
	MAYVAL MOM 3721-ET	USA 141202394						
	MAYVAL MOM 3722-ET	USA 141202406						
1HO03632	MAYVAL OSCAR DUNCAN-ET	USA 2232521						
29HO11672	MAYVAL OZFEST-ET	USA 134281913						
	MAYVAL PREDISTINE 9671	USA 142752744		C				3
	MAYVAL RACER 5063	USA 143269371						
	MAYVAL SEBASTIAN 3756	USA 141415196						
	MAYVAL SHAMROCK 3765	USA 141532730						
	MAYVAL SHAMROCK 3785	USA 141782582						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MAYVAL SHARPIE 3731	USA 141203649						
	MAYVAL SHARPIE 3755	USA 141417693						
	MAYVAL SUPER HASTY	USA 141108597	C					
	MAYWOOD SYMPATICO TITLST	USA 73116694			C		C	
73HO01779	MAZYLAKES PARAMOUNT-RED-ET	CAN 5206117						
	MB-LUCKYLADY ALL AMERICAN	USA 71494642						1
	MB-LUCKYLADY ARMANI 6062-ET	USA 74518114						1
	MB-LUCKYLADY GLDDST 6057-ET	USA 74518109						
	MB-LUCKYLADY MCTCHN 6049-ET	USA 74518101						
	MB-LUCKYLADY WNDDBRK 6048-ET	USA 74518100						
	MB-NP BOMB TUCKER-RED-ET	USA 74447741						
	MB-NP BOMBRO TRUMAN-RED	USA 74447748						
11HO07454	MBZ EXECUTIVE-ET	USA 131220724						
	MC-MO MEMO-ET	USA 2181917						
	MCCALLUM CLODOR-ET	CAN 5379362						
	MCCALLUM HAPPY-ET	CAN 5297037						
	MCCLELLAN MADMAN MAX-RED-ET	USA 71423401						1
11HO10604	MCCLELLAND ALTADASH-ET	USA 139604984						
11HO09418	MCCLELLAND ALTAPROLIFIC	USA 61709540						
	MCCLELLAND ARMST DRIZZLE-ET	840003005567683						
	MCCLELLAND ARMSTED DUCAL-ET	USA 139602825						
	MCCLELLAND CHELIOS VANI	USA 142790928						
100HO11319	MCCLELLAND JEEVES ASTEROID	USA 140909300						
100HO11133	MCCLELLAND LGHTNNG SWEET-ET	USA 140048146						
	MCCLELLAND LIGHTNING SAL-ET	USA 139917600						
	MCCLELLAND LOU P SALMON	USA 142790991					C	
39HO00516	MCCLELLAND STANDOUT	USA 2201345						
	MCCLOE-POND GHOST	USA 66302116						
1HO06158	MCCLOE-POND TRENT	USA 17226843						
1HO08937	MCKENNEY 34K MURPH	USA 137094026						
	MCMD SOCRATES BILL	USA 139987823						
	MCNALLAN ACHILLIES 6530B	840003135255130						
	MCNALLAN BAYONET 6563B-ET	840003135255163						
	MCNALLAN BAYONET 6569B-ET	840003135255169						
	MCNALLAN BOYBOY 105	USA 72459429						
	MCNALLAN CABRIOLET 5712	840003013523424						
	MCNALLAN CHARGER 6414B	840003127698590						
	MCNALLAN CHASER 6262-ET	840003127698438						
	MCNALLAN CHASER 6266-ET	840003127698442						
	MCNALLAN DENIM 172	USA 72459446						
	MCNALLAN DENIM 32	USA 72459445						
	MCNALLAN DIAMOND 5655-ET	840003013523367						
	MCNALLAN EMERALD 6082	840003127698258						
	MCNALLAN EMERALD 6145	840003127698321						
	MCNALLAN ERDMAN 5539	840003013523251						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MCNALLAN FLYN 5866	840003013523578						
	MCNALLAN FLYN 6046	840003127698222						
	MCNALLAN FLYNN 5794	840003013523506						
	MCNALLAN INDY 5940	840003013523652						
	MCNALLAN INPUT 6436B	840003127698612						
	MCNALLAN JACEY 5906	840003013523618						
	MCNALLAN JACEY 5952	840003013523664						
	MCNALLAN JACEY 5953	840003013523665						
	MCNALLAN JACEY 5999	840003013523711						
	MCNALLAN JACEY 6009	840003013523721						
	MCNALLAN JACEY 6031	840003127698207						
	MCNALLAN JAYDEN 5529-ET	840003013523241						
	MCNALLAN JAYDEN 5566-ET	840003013523278						
1HO11385	MCNALLAN JAYDEN RAZOR-ET	840003013523361						
	MCNALLAN JETSET 5845-ET	840003013523557						
	MCNALLAN KRISTOFF 5541	840003013523253						
	MCNALLAN LEWIS 5540	840003013523252			C			
	MCNALLAN LOMBARDI 6096-TW	840003127698272						
	MCNALLAN LOMBARDI 6148	840003127698324						
	MCNALLAN NOMINEE 5847-ET	840003013523559						
	MCNALLAN NOMINEE 5849-ET	840003013523561						
	MCNALLAN NOMINEE 5893	840003013523605						
	MCNALLAN OAK 5650-ET	840003013523362						
	MCNALLAN OAK 5673-ET	840003013523385						
	MCNALLAN PARTYROCK 6047-ET	840003127698223						
	MCNALLAN PERRY 157	USA 72459437						
	MCNALLAN PESO 6413B	840003127698589						
	MCNALLAN PESO 6476B	840003127698652						
	MCNALLAN PLATINUM 6346B-ET	840003127698522						
1HO11966	MCNALLAN PLATINUM SANO-ET	840003127698517						
	MCNALLAN SANGRIA 6382-ET	840003127698558						
	MCNALLAN SPRING 6448-ET	840003127698624						
	MCNALLAN SPRING 6451-ET	840003127698627						
	MCNALLAN STOIC 6043-ET	840003127698219						
1HO11662	MCNALLAN STOIC BUXTON-ET	840003127698211						
	MCNALLAN SYRACUSE 6351B	840003127698527						
	MCNALLAN TALISMAN 6050-ET	840003127698226						
	MCNALLAN TALISMAN 6054-ET	840003127698230						
	MCNALLAN TALISMAN 6062-ET	840003127698238						
	MCNALLAN TALISMAN 6064-ET	840003127698240						
	MCNALLAN TAMRON 6572B	840003135255172						
	MCNALLAN TROY 5984-ET	840003013523696						
	MCNALLAN TROY 5987-ET	840003013523699						
	MCNALLAN YANO 144	USA 72459433						
	MCNALLAN YANO 163	USA 72459438						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MCNALLAN YANO 178	USA 72459440			C			
	MCNALLAN YODER 6402-ET	840003127698578						
	MCNALLAN YODER 6415-ET	840003127698591						
	MCNALLAN YODER 6417-ET	840003127698593						
	MCNALLAN YOVANI 5879	840003013523591						
	MCNALLAN YOVANI 5947	840003013523659						
	MCNALLAN YOVANI 5948	840003013523660						
	MCNALLAN YOVANI 5955	840003013523667						
	MCNALLAN YOVANI 5971	840003013523683						
	MCNALLAN YOVANI 6034	840003127698210			C			
	MD-CARROLLTON LENOX-ET	USA 63253069						
	MD-CARROLLTON LEX-ET	USA 63253049						
	MD-CARROLLTON LEXICON-ET	USA 63253073						
	MD-CARROLLTON MAC LEON-ET	USA 63253066						
	MD-CARROLLTON MAC LEROY-ET	USA 63253065						
	MD-CARROLLTON MAC LEVI-ET	USA 63253063						
	MD-CEDAR-KNOLL G W ATWD 475	USA 72555959						
	MD-CEDAR-KNOLL PLATO 529	USA 72556013						
94HO11486	MD-DELIGHT DURHAM ATLAS-ET	USA 133088245						
	MD-DELIGHT SHAMRC ABRETT-ET	USA 71369585						
	MD-DUN-LOAFIN G MAXIMUS-ET	USA 73595752						
	MD-HARMONY AFTERSHOCK MITT	USA 71341810						1
	MD-HARMONY AIKMAN CHRIS-RED	USA 73038811						
	MD-HARMONY AIKMAN VERN-RED	USA 73038807						
	MD-HARMONY CC TONY	USA 73038840						
	MD-HARMONY COLT 45 VARRON	USA 73038832						
	MD-HARMONY DUCATI CRISS-RED	USA 73038824						
	MD-HARMONY DUCATI LARS-RED	USA 73038828						
	MD-HARMONY DURABLE SHOT	USA 72075266						3
	MD-HARMONY DURABLE TOBIAH	USA 72075292						3
	MD-HARMONY KANU VAN-RED-ET	USA 73038834					C	
	MD-HARMONY KN VICTOR-RED-ET	USA 73038835					C	
	MD-HARMONY L KING ROSCOE-ET	USA 65442412					C	
1HO02650	MD-HARMONY PDOX V-RED	USA 63363785					C	
	MD-HARMONY SHOWDOWN VIC	USA 72075267						
	MD-HARMONY USA V-ET	USA 65442389					C	
	MD-LOCUSTCREST LRG LONESTAR	USA 142050534						
14HO05271	MD-LOCUSTCREST POTR MIKE-ET	USA 136722454						
7HO09124	MD-LOCUSTCREST SAMMY-ET	USA 136852119						
	MD-LOCUSTCREST TRIGGER-ET	USA 141583343			C			
	MD-LOCUSTCREST TRITON-ET	USA 141583334						
	MD-LOCUSTCREST ZANDER-ET	USA 140455865						1
	MD-MAPLE-DELL ALT SLATER-ET	USA 71900239						
7HO09913	MD-MAPLE-DELL BOLT SERGE-ET	USA 62209000						
29HO13776	MD-MAPLE-DELL CARLITO-ET	USA 62208965						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
1HO09648	MD-MAPLE-DELL CHRIS CRI-ET	USA 63285281						
11HO09294	MD-MAPLE-DELL COLE-ET	USA 135538531						
14HO04851	MD-MAPLE-DELL FIN CLYDE-ET	USA 135147577	C					
1HO08711	MD-MAPLE-DELL FIN CODY-ET	USA 135538540						
29HO13567	MD-MAPLE-DELL GOLD ACE-ET	USA 62208932						1
	MD-MAPLE-DELL LTHUM SLAM-ET	USA 71900139						
	MD-MAPLE-DELL PRE SERGE-ET	USA 71900185						3
29HO16390	MD-MAPLE-DELL SANBORN	USA 65302694						
14HO05085	MD-MAPLE-DELL TAL CURK-ET	USA 62208822						
7HO08719	MD-MAPLE-DELL TI CHAMP-ET	USA 136002260						1
7HO09613	MD-MAPLE-DELL TOY CADEL-ET	USA 62208963						
	MD-MAPLE-DELL UNO BERK-ET	USA 71900134						
	MD-MAPLE-DELL UNO BERKO-ET	USA 71900133						
	MD-MAPLE-LAWN MR PRESLEY-ET	840003127381687		C				
	MD-MAPLE-LAWN PACMAN	840003127381736						
	MD-MAPLE-LAWN PEGASUS-ET	840003127381675						
	MD-MAPLE-LAWN PHOENIX-ET	840003127381706						
	MD-MAPLE-LAWN POLO-ET	840003013865536		C				
	MD-MAPLE-LAWN POWERPACK-ET	840003127381703		C				
	MD-MAPLE-LAWN POWERSPARK-ET	840003127381702						
	MD-MAPLE-LAWN PRESLEY-ET	840003127381670						
	MD-MAPLE-LAWN PRICELESS-ET	840003127381661		C				
	MD-MAPLE-LAWN PRICELINE-ET	840003127381666						
	MD-MAPLE-LAWN PRODIGY-ET	840003127381678		C				
	MD-MAPLE-LAWN PRODUCE-ET	840003127381679		C				
	MD-MAPLE-LAWN RACER CASH-ET	840003013865524						
	MD-MAPLE-LAWN RACER CODY-ET	840003013865525						
	MD-MAPLE-LAWN SALUTE-ET	840003013865526						
	MD-MAPLE-LAWN SAVIOR-ET	840003127381657						
224HO04212	MD-MAPLE-LAWN SKEET-ET	840003127381700						
	MD-MAPLE-LAWN SKIPPER-ET	840003127381705						
	MD-MAPLE-LAWN SPARTACUS-ET	840003125066370						
	MD-MAPLE-LAWN SPARTAN-ET	840003013865523						
14HO07716	MD-MAPLE-LAWN SPIRO-ET	840003013865534						
	MD-MAPLE-LAWN SS SPARKLE-ET	840003129040530						
	MD-MAPLE-LAWN SSI D ONYX-ET	840003128506595						
	MD-MAPLE-LAWN SUPERSHOT-ET	840003129040529						
	MD-MAPLE-LAWN SUPERSPORT-ET	840003127381738						
11HO06305	MD-MAPLE-LAWN TROJAN	USA 122056846						
	MD-MAPLE-LAWN YODER 636-ET	840003132117088						
	MD-MAPLE-LAWN YODER 638-ET	840003132117090		C				
	MD-MRK AIRLIFT BAZOOKA-ET	USA 71428254						
	MD-MRK CHRISV5 AIKMN CHANCE	840003012331993					C	
	MD-MRK PROXY ABEL-P-RED-ET	USA 71428264						1
	MD-MRK PROXY ATEND-P-RED-ET	USA 71428257						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MD-MRK-OVF AIRLIFT MANNY-ET	USA 71428287						
	MD-MRK-OVF AIRLIFT MANUP-ET	USA 71428299						
	MD-MRK-OVF AIRLIFT MARCO-ET	USA 71428292						
	MD-MRK-OVF AIRLIFT MIKEY-ET	USA 71428282						
	MD-MRK-OVF AIRLIFT MOJO-ET	USA 71428304						
7HO09236	MD-VALLEYVUE CAMDEN-RED-ET	USA 137077623						
7HO10563	MD-VALLEYVUE CARSON-RED-ET	USA 66463056						
151HO00485	MD-VALLEYVUE CHRISTIAN-ET	USA 137302774						
7HO10039	MD-VALLEYVUE GOLD CHRIS-ET	USA 137302783						
	MD-VALLEYVUE HAL KOLE	USA 73264404						
	MD-VALLEYVUE KAP-ET	USA 71500122						
7HO10832	MD-VALLEYVUE LB CODIE-P-ET	USA 66462966						1
	MD-VALLEYVUE NUNO KAD-ET	USA 71500121						
	MD-VALLEYVUE SR CAL-P-ET	USA 66463042						
	MD-VALLEYVUE SROCK KOLE	USA 71500135						
151HO05716	MD-VALLEYVUE SS CAL-RED-ET	USA 135361461						1
94HO00865	MD-VALLEYVUE TAL LEW-RED-ET	USA 136841849						1
	ME WELCOME FLAME TILTON-ET	840003013654551						
14HO06553	ME WELCOME LARRY-ET	USA 66757497						
200HO06067	ME-DO-CREST EXPLICITE-ET	USA 65838541						
	ME-DO-CREST JEEVES ERASE-ET	USA 140744574						
	ME-DO-CREST SANCHEZ ED-ET	USA 140744707						
	ME-DO-CREST TRUMP ELLIOT-ET	USA 140744499						
	MEADO-BROOK ATW JAX 5975-ET	840003128881638						
	MEADO-BROOK B SLEDGEHAMMER	840003128881596						
	MEADO-BROOK BEASTY BOY-ET	USA 69763136			C			
1HO09501	MEADO-BROOK BLACKBURN-ET	USA 63644909						
	MEADO-BROOK BLUE RAZBABY-ET	USA 69763053						
29HO16233	MEADO-BROOK BUTTER PECAN-ET	USA 69762981			C			
	MEADO-BROOK CHOCO CHIP-ET	USA 69762984					C	
	MEADO-BROOK CHOCOLATE-ET	USA 66944276			C			
	MEADO-BROOK CRANK BARRIO-ET	840003128881682						
	MEADO-BROOK DAY TRIPPER	USA 69763120						
	MEADO-BROOK DREAMWEAVER-ET	USA 69763139		C				
	MEADO-BROOK FRED IKE 5873	840003128881536						
	MEADO-BROOK FUDGE RIPPLE-ET	USA 69763051						
	MEADO-BROOK HEZTRY RAMBO-ET	USA 72314825						3
	MEADO-BROOK JOSE 3898	USA 63645067				C		
29HO14025	MEADO-BROOK JS BEAR-ET	USA 63645004						
1HO02569	MEADO-BROOK JS CHURCHILL-ET	USA 63644992						
29HO14019	MEADO-BROOK JS HUBBARD-ET	USA 63644995						
1HO02568	MEADO-BROOK JS MCKINLEY-ET	USA 63645005						
	MEADO-BROOK KOKOMO-ET	USA 69763157						
29HO13784	MEADO-BROOK LARRIMORE-ET	USA 63644886						
	MEADO-BROOK LM KAMINSKY	USA 73184280						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MEADO-BROOK MASSEY 5260	USA 72314881						
	MEADO-BROOK MASSEY 5264	USA 72314885						
	MEADO-BROOK MCCLUTCH DINGER	USA 72314963						
	MEADO-BROOK MINT C CHIP-TW	USA 69763021			C			
	MEADO-BROOK MO VAUGHN	USA 72314928						
	MEADO-BROOK MOGUL MEAN JEAN	USA 72314939						
	MEADO-BROOK NEAPOLITAN	USA 66944274			C			
	MEADO-BROOK NICE N EASY-ET	USA 69763156			C			
	MEADO-BROOK PISTACHIO	USA 69763000						
	MEADO-BROOK PRALINE PECAN	USA 69762998			C			
	MEADO-BROOK RB RAINN-RED-ET	USA 72314914						1
	MEADO-BROOK ROCKY ROAD-ET	USA 69763006						
29HO13876	MEADO-BROOK SANFORD-ET	USA 63644912						
	MEADO-BROOK SAVE KOSTIGAN	USA 73184146						
	MEADO-BROOK SCOTT WALKER	USA 72314976						
	MEADO-BROOK SEQUOIA	USA 65685084						
	MEADO-BROOK SS DEUCE 4944	USA 70809224						
	MEADO-BROOK SUDAN 5055	USA 70809335						
29HO13785	MEADO-BROOK TS FORAKER-ET	USA 63644881						
14HO05774	MEADO-BROOK TS MCKINLEY-ET	USA 63644879						
	MEADO-BROOK VANILLA-ET	USA 66944267			C			
	MEADO-BROOK WATSON 5627	USA 73184147						
73HO00792	MEADOLAKE JUBILANT-ET	CAN 376455						
71HO01217	MEADOW BRIDGE AEROSPACE-ET	CAN 5333652						
39HO00665	MEADOW BRIDGE AVIATOR	CAN 6257228						
	MEADOW BRIDGE BELLESTONE-ET	CAN 5199427						
	MEADOW BRIDGE BELLRINGER-ET	CAN 5199431						
	MEADOW BRIDGE BUCKY	CAN 8002821						
	MEADOW BRIDGE BUTLER-ET	CAN 5185286						
39HO00721	MEADOW BRIDGE DARREL-ET	CAN 8002835						
73HO02508	MEADOW BRIDGE DEROY-ET	CAN 6130767						
	MEADOW BRIDGE FALCON	GBR 832						
	MEADOW BRIDGE FIVE STAR-ET	CAN 5018500						
39HO00468	MEADOW BRIDGE FORMULA-ET	CAN 5410051						
	MEADOW BRIDGE GANGSTER	CAN 5940563						
73HO02455	MEADOW BRIDGE MAGAZINE-ET	CAN 6038812						
73HO02503	MEADOW BRIDGE MARKEM	CAN 6130765						
14HO03147	MEADOW BRIDGE MASTER-ET	CAN 8074168						
	MEADOW BRIDGE MEDLEY-ET	CAN 5333661						
74HO00175	MEADOW BRIDGE MEGABUCK-ET	CAN 5425054						
	MEADOW BRIDGE MEGATON	CAN 6208311						
	MEADOW BRIDGE MELVIN-ET	CAN 5060799						
	MEADOW BRIDGE MERCEDES	CAN 8017896	C					
73HO01918	MEADOW BRIDGE MILLION-ET	CAN 5410058						
	MEADOW BRIDGE MINISTER-ET	CAN 5417751						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MEADOW BRIDGE MIRACLE-ET	CAN 6038800						
	MEADOW BRIDGE MOONSTONE-ET	CAN 8002820						
39HO00547	MEADOW BRIDGE OVATION-ET	CAN 5801926						
39HO00561	MEADOW BRIDGE PARADISE	CAN 5829899						
39HO00681	MEADOW BRIDGE PATTON	CAN 6317820	C					
39HO00546	MEADOW BRIDGE PRESTAR	CAN 5801120						
39HO00666	MEADOW BRIDGE ROMEO	CAN 6227627						
	MEADOW BRIDGE SAILOR-ETS	CAN 8002844						
	MEADOW BRIDGE SENSATION-ET	CAN 8002823						
	MEADOW BRIDGE TABLOID-ET	CAN 8002814						
39HO00714	MEADOW BRIDGE TARGET-ET	CAN 8002817						
73HO02819	MEADOW BRIDGE TONDRA-ET	CAN 8017888						
73HO02638	MEADOW BRIDGE TRISTAR-ET	CAN 6227622						
	MEADOW GREEN CHARSTAR-ET	CAN 5671195						
	MEADOW GREEN CORNERSTONE-ET	CAN 6623964						
73HO02588	MEADOW GREEN PRESTON	CAN 6125044						
14HO03050	MEADOW-CREEK DUSTER KYLE-ET	USA 17232012						
7HO06146	MEADOW-CREEK FORM KURT-ET	USA 18052672	C					
7HO08739	MEADOW-CREEK TITANIC ONE-ET	USA 61636158						
1HO06011	MEADOW-WOOD BERT JOSIAH-ET	USA 17000361						
1HO06201	MEADOW-WOOD EL JANSON-ETS	USA 17157225	C					
1HO06200	MEADOW-WOOD JOAB-TW	USA 17242349						
1HO03952	MEADOW-WOOD JUBILATION-ET	USA 2295688	C					
1HO06764	MEADOW-WOOD WD J-MAN-ET	USA 130507888	C					
	MEADOWLAKE BELUGA SARAH-ET	USA 73374028						
	MEADOWLAKE DEFENDER1034	USA 73374038						
	MEADOWOOD CONTRAST LUKIO	USA 71052436						3
	MEADOWOOD KALAHARI DESERT	USA 66885294	C					
	MEADOWOOD REBEL COPPER	USA 73360401					C	
	MEADOWOOD SROCK LAMBEAU-ET	USA 71052430						
	MEADOWOOD SROCK LEIF-ET	USA 71052428						
	MEADOWOOD SROCK LOTSO-ET	USA 71052427						
	MEADOWS-LLC DAYTONA-ET	USA 60303952	C					
11HO07668	MEADOWS-LLC OPUS-TW	USA 60303911						
	MEADOWSTREAM GENTLEMAN	CAN 6031536						
	MEADOWSTREAM PREFERENCE-ET	CAN 5943717						
	MEADOWSTREAM SAT P DION-ET	USA 142506352		C				
	MEADOWSTREAM SACHEL DAY-ET	USA 142457863						
	MEDLANG BUCKEYE INCENTIVE	USA 142858066						
	MEDLANG MERIDIAN GIZMO	USA 143055671						
7HO06367	MEDOVUE HANS-ET	USA 124041729						
	MEDOVUE PACIFIC-RED-ET	USA 60284543						
11HO00511	MEDOVUE SALSA-RED-ET	USA 17145771						
	MEDWAY CAVALIER-ET	CAN 5967744						
72HO00970	MEDWAY MATTADOR-ET	CAN 6168192						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MEDWAY NET PROFIT	CAN 6168199						
	MEDWAY NILES-ET	CAN 7397808		C				
	MEDWAY NUREYEV-ET	CAN 6168204						
	MEIER-MEADOWS A MACAULEY-ET	USA 55249910						1
	MEIER-MEADOWS AL MANNING-ET	USA 55249908						
11HO09746	MEIER-MEADOWS ALTADILLAN-ET	USA 207635331	C					1
	MEIER-MEADOWS CAMERON MACON	USA 56650610						
29HO11493	MEIER-MEADOWS CAPRI SNOW-ET	USA 207845112						
1HO09038	MEIER-MEADOWS DAGAN CRI-ET	USA 62398818	C					
	MEIER-MEADOWS DEVIN CRI-ET	USA 62030943						
1HO09022	MEIER-MEADOWS DEVLEN CRI-ET	USA 62030945						
7HO09183	MEIER-MEADOWS DOLLAR-ET	USA 50825902						1
1HO09034	MEIER-MEADOWS DORIAN CRI-ET	USA 62398814	C					
7HO08758	MEIER-MEADOWS FL DYNAMIC-ET	USA 50751784	C					
	MEIER-MEADOWS FR MUSTANG-ET	USA 55969632						
	MEIER-MEADOWS IOTA MYLO-TW	USA 56650505						
7HO09063	MEIER-MEADOWS LAUD MARIO-ET	USA 207635537						
29HO10932	MEIER-MEADOWS MARS NILES-ET	USA 207635126						
1HO05517	MEIER-MEADOWS RUDOLP NORTON	USA 18033595						
14HO05403	MEIER-MEADOWS SH MATADOR-ET	USA 50825971					C	
	MEIER-MEADOWS SHOTGUN MASK	USA 55249838					C	1
7HO08876	MEIER-MEADOWS TALNT DUSK-ET	USA 50826701						1
	MEL-CREST AD JACOB-ET	USA 143525545						
	MEL-CREST AD JACQUES-ET	USA 143525536						
	MEL-CREST AKM RAMBERT	USA 142923489						
	MEL-CREST ALCM JEM-RED-ET	USA 142089208						
11HO09930	MEL-CREST ALTARAVEN-ET	USA 137117273						
11HO10392	MEL-CREST ALTARAZOR	USA 138929709						1
29HO14333	MEL-CREST APOLLO-ET	USA 139268591						
	MEL-CREST ARIES-ET	USA 139272127						
	MEL-CREST AXFORD RETORT-RED	USA 143455314						
	MEL-CREST DARKRAPTOR-RED-ET	USA 143455882					C	
	MEL-CREST EMERALD ROLAND	USA 142292390						
	MEL-CREST JARVIS P-ET	USA 142649352						
	MEL-CREST JEROME-P-RED-ET	USA 142705229						
	MEL-CREST JESSE P-ET	USA 142649370						
	MEL-CREST JUDSON P-RED-ET	USA 142649389						
	MEL-CREST JULIUS-P-RED-ET	USA 142705247						
	MEL-CREST KAPTAIN KANDY	USA 142163168						1
	MEL-CREST KEAN KANDY-ET	USA 143141763						
	MEL-CREST KEEGAN KANDY-ET	USA 143141754						1
	MEL-CREST KEY KANDY-ET	USA 143141745						1
	MEL-CREST MAURICE ROMNEY	USA 142712344						
11HO07671	MEL-CREST MISSILE	USA 131555071						
	MEL-CREST MRC JANGLE	USA 142712335						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MEL-CREST PARTY ALAYNE	USA 143141727						
29HO13998	MEL-CREST RANCHO-ET	USA 138517375						
29HO13431	MEL-CREST RANSFORD-ET	USA 137117291					C	
29HO13580	MEL-CREST RAWSON-ETS	USA 137117143						
29HO14791	MEL-CREST REFERRAL-ET	USA 140143261						
29HO13420	MEL-CREST RENSHAW-ET	USA 137117303					C	
29HO13999	MEL-CREST RIGBY-ET	USA 138517393						
	MEL-CREST RIPLEY-ET	USA 140791914						1
	MEL-CREST RIPPER-ET	USA 140791905						1
	MEL-CREST RIPPLE-ET	USA 140791884						
29HO13424	MEL-CREST ROADRUNNER	USA 137421374						
29HO13419	MEL-CREST ROBIN-ET	USA 137421404						
	MEL-CREST ROCKWELL-ET	USA 140679610						
	MEL-CREST RODNEY	USA 140142701						
	MEL-CREST ROMEO-ET	USA 140143252						
	MEL-CREST ROSS ALLY	USA 142031401						
29HO13905	MEL-CREST ROVER-ET	USA 138372468						
	MEL-CREST ROY-ET	USA 140143234						
	MEL-CREST RUSSELL-ET	USA 140679629						
	MEL-CREST S FRITO-RED-TW	USA 143118835						
	MEL-CREST S FRITTER-RED-TW	USA 143118826						
	MEL-CREST SILVER JACK P-ET	USA 143555489						
	MEL-CREST SILVER JADE-ET	USA 143555470						
7HO01257	MEL-EST VALIANT IROS MELVIN	USA 1818972						
7HO06317	MEL-EST VICTORY	USA 121714855			C			
1HO04321	MEL-HAM BELLMAN HOPPER-ET	USA 2178907						
	MEL-HAM DELANO-ET	USA 207480025	C					
29HO08280	MEL-HAM DIXIE-LEE SAND-ET	USA 2154310						
	MEL-PAULA DEFENDER SETH-ET	840003125602822						
	MEL-PAULA DEFENDER SPORT-ET	840003125602894						
	MEL-PAULA GAMBLER DEVAN-ET	840003132502874						
	MEL-PAULA GAMBLER DIESEL-ET	840003125602859						
	MEL-PAULA HALOGEN SAMUEL-ET	840003125602834						
	MEL-PAULA HALOGEN SAWYER-ET	840003125602826						
	MEL-PAULA KL GAMBLE DICE-ET	USA 73787494						
	MEL-PAULA MACK 126-ET	840003125602821						
	MEL-PAULA MACK SCOUT-ET	USA 142889545						
	MEL-PAULA MANTIS SARGE-ET	USA 53795995						
	MEL-PAULA MANTIS SARGENT-ET	USA 53795994						
	MEL-PAULA MONTROSS MICHA-ET	840003125602877						
	MEL-PAULA MONTROSS SALUTE	840003125602883						
	MEL-PAULA PETRONE KODIAK	USA 53795996						
14HO05079	MEL-PAULA THRONE LUXURY-ET	USA 52539496	C					
	MEL-PAULA YODER STEVE	840003125602887						
	MEL-TINA DESTRY ACE-ET	USA 69443247						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MEL-TINA DIRCTR ALEX-RED-ET	USA 69443249						
	MELARRY 1STCLASS WONDER-ET	USA 74261603						
	MELARRY AARON DEVAN-RED-ET	USA 57094235						
	MELARRY AARON DOSE-RED-ET	USA 57094239						
	MELARRY ABERLIN FORTUNE	USA 71490828						1
	MELARRY ABSOLUT DIRT-RED-ET	USA 57113873						
	MELARRY ABSOLUTE DAGGER-RED	USA 73738501		C				
	MELARRY ABSOLUTE DONNY-RED	USA 74261633		C				
	MELARRY ADVT DOMINIC-RED-ET	USA 69859255						
	MELARRY AICON MAXWELL-ET	840003133743126						
	MELARRY AIKMAN CLYDE-RED-ET	USA 74261618						1
	MELARRY AIKMN CALVIN-RED-ET	USA 74261614						
	MELARRY AIRNET MERCER-ET	USA 58554847						
	MELARRY AIRNET MILTON-ET	USA 58554838						
7HO10996	MELARRY AL KESSLER-ET	USA 66398599						
	MELARRY AL MARLEY-ET	USA 69212281						
	MELARRY ALCHEMY DOC-ET	USA 71490872						1
	MELARRY ALCO BLAZE-ET	840003131715100						
	MELARRY ALCO DARIUS	840003131715095						
	MELARRY ALCO FARIS	840003131715118						
	MELARRY ALCO FREIGHT-ET	840003133743146						
	MELARRY ALCO GARY-ET	840003133743145						
	MELARRY ALCO GORDO-ET	840003133743153						
	MELARRY ALCO MANLUV-ET	840003133743129						
	MELARRY ALCO MANO-ET	840003133743122						
	MELARRY ALCO NATHAN-ET	840003132122429						
	MELARRY ALCO NESTER-ET	840003133743116						
	MELARRY ALCO NICK-ET	840003132122435						
	MELARRY ALCO WILDA-ET	840003133743108						
11HO00583	MELARRY ALTADA-RED-ET	USA 58959846						
11HO11750	MELARRY ALTAFLACCO-ET	USA 74261647						
11HO11451	MELARRY ALTAFLEX-ET	USA 58912079						
11HO11374	MELARRY ALTAFORHIRE-ET	USA 58903921						
11HO11667	MELARRY ALTAFREAKY-ET	840003128713895		C				
11HO11421	MELARRY ALTAMATT-ET	USA 72395528						
11HO11745	MELARRY ALTASNAPSHOT-ET	840003128713969						
11HO11452	MELARRY ALTAWHITT-ET	USA 58912086						
11HO11666	MELARRY ALTAWORMONT-ET	840003128713944						
	MELARRY ARON DENMARK-RED-ET	USA 57094229						
	MELARRY ARON DOLITTL-RED-ET	USA 57094266						
	MELARRY BALISTO FABBY	USA 73738594						
	MELARRY BALISTO FREEFALL-ET	USA 59588265						
	MELARRY BALISTO STONE	USA 74261583						
	MELARRY BANCO ALONE-ET	840003133743194						
	MELARRY BANCO ALSHABO-ET	840003133743193						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY BARBWIRE DOMINO-RED	USA 72292833						3
	MELARRY BAYONET FOSTER	USA 74261619						
	MELARRY BAYONET WHINE	840003133743101						
	MELARRY BEACON CAPTAIN-ET	USA 57163081						
	MELARRY BEACON CARPOOL-ET	USA 57163083					C	
	MELARRY BEACON CARS-ET	USA 57163085					C	
	MELARRY BEACON CLYDE-ET	USA 57163078						
	MELARRY BEACON CRAWL-ET	USA 57163087					C	
	MELARRY BEACON FARREN-ET	USA 70594711					C	1
	MELARRY BEACON FARSE-ET	USA 57113820					C	
	MELARRY BEACON FONEY-ET	USA 57113876						1
	MELARRY BEACON FOREST-ET	USA 70594712						1
	MELARRY BEACON FRANCES-ET	USA 70594715					C	
	MELARRY BEACON FRED-ET	USA 57113880						1
	MELARRY BEACON FRITZ-ET	USA 70594720						
	MELARRY BOMBERO COLBY-ET	840003128713896						
203HO01331	MELARRY BOOKEM FANTASY-ET	USA 70594724						
7HO11748	MELARRY BOOKEM MICROSOFT-TW	USA 70594710						
203HO01330	MELARRY BOOKEM MOJITO-TW	USA 70594709						
	MELARRY BOWSER FAMOUS-ET	USA 69212291						3
14HO06630	MELARRY BOWSER FIERCE-ET	USA 69212302						3
	MELARRY BOWSER FISHER	USA 69859214						
7HO11182	MELARRY BOWSER FLURRY-ET	USA 69212328						
	MELARRY BOWSER FOOTLOOSE	USA 69859243						
	MELARRY BOWSER FORBES-ET	USA 69212309						3
	MELARRY BOWSER FOSTER-ET	USA 69212303						3
97HO40422	MELARRY BOWSER FUJI-ET	USA 69212304						3
	MELARRY BOWSER LESLIE	USA 69859235						
	MELARRY BOYBOY MEMORY-ET	USA 70594789						
	MELARRY BOYBOY MONEY-ET	USA 70594783						
	MELARRY BOYBOY MUSIC-ET	USA 71490821						
	MELARRY BRONCO FELLOW-ET	USA 69859224						1
	MELARRY BRONCO FRANZ-ET	USA 69212322						
	MELARRY BRONCO FROSTING-ET	USA 69212341						
	MELARRY CAMERON MALT-ET	USA 58554909						
	MELARRY CAMERON MARQ-ET	USA 71490868						
	MELARRY CANCUN MALICE-ET	USA 57094270						
	MELARRY CANCUN MALSTRUM-ET	USA 57094269						
	MELARRY CANCUN MARTY-ET	USA 57094271						
	MELARRY CANCUN MICK-ET	USA 57094257						
	MELARRY CANCUN MORON-ET	USA 57094273						
	MELARRY CASH COIN HI-ET	USA 58961437						1
	MELARRY CASH COIN TAME-ET	USA 58961458						1
	MELARRY CASH COIN TITAN-ET	USA 58961432						
	MELARRY CASHCOIN CARMEL	USA 72942400						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY CASPIAN FLAMMABLE	USA 74261588						
	MELARRY CASPIAN MARV	USA 74261599						
	MELARRY COLT P DRLUV-RED-ET	USA 70594726						
	MELARRY DADDY MEDAL-ET	USA 72292821						
	MELARRY DAKKER CROSS-RED	USA 58912094						1
	MELARRY DAMARIS FIGHTER-ET	840003129134644						
	MELARRY DAMARIS MEL-ET	840003129134643						
	MELARRY DAMARIS MELVIN-ET	840003129134645						
	MELARRY DAMARIS MOOKIE-ET	840003129134650						
	MELARRY DAMASCUS ART	USA 69859303		C				
	MELARRY DAMASCUS FESTUS	USA 70594703						3
	MELARRY DANDI FINNEGAN	USA 72942392						
	MELARRY DANDI FURROR-RED-ET	USA 73738534						
	MELARRY DAVINCI MACINTYRE	USA 73738576						
	MELARRY DAVINCI MANNY	USA 73738510						
	MELARRY DEAN DAVE-ET	USA 72395550						
	MELARRY DEAN DONALD-ET	USA 72395547						
	MELARRY DEAN DONNY-ET	USA 72395548						
	MELARRY DEAN DOUG-ET	USA 72395549						
	MELARRY DEAN FALCON-ET	USA 74203719						
	MELARRY DEAN FINLEY-ET	USA 74203717						
	MELARRY DEAN FOX-ET	USA 74203716						
	MELARRY DEAN FRITZ-ET	USA 74203718						
	MELARRY DEAN MIGHTY-ET	USA 58912083						
	MELARRY DEFNDR FILOSOFER-ET	USA 72942414						
	MELARRY DELTA MARBLE	840003131715058						
	MELARRY DENIM DARIUS-ET	USA 58912040						
97HO41296	MELARRY DENIM DUDE-ET	USA 58912033						
	MELARRY DESIRED BOSS-RED-ET	USA 74261660						
	MELARRY DESIRED BROCK-ET	USA 74261655						
	MELARRY DESIRED DRAGON-ET	USA 74261658						
	MELARRY DESIRED EVIL-ET	840003129134641						
	MELARRY DESTRY DAN-RED-ET	USA 69859272						1
7HO11091	MELARRY DESTRY DOUG-RED-ET	USA 69212290						
	MELARRY DESTRY KIRK	USA 69212295						
	MELARRY DESTRY KOLBY-RED	USA 69212319						1
	MELARRY DETERMINE MCDUFF	USA 72942343						
	MELARRY DEYJA MALFI	840003128713972						
	MELARRY DEYJA WACK-ET	840003128713886						
	MELARRY DEYJA WICK-ET	840003128713884						
	MELARRY DEYJA WICKED-ET	840003128713885						
	MELARRY DISTILLER CUPID-ET	USA 74261604						
	MELARRY DISTILLER ELMER	USA 74261625						
	MELARRY DNDI FURIOUS-RED-ET	USA 73738516						
	MELARRY DOMAIN MARS-ET	USA 58554854						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY DOTSON FAJITA-ET	USA 69212339						
	MELARRY DOTSON FINNEGAN-ET	USA 69212296						1
	MELARRY DOTSON FLICKA-ET	USA 69212257						1
	MELARRY DOZER BOMB-ET	840003133743197						
	MELARRY ECOY ISY FATHOM-ET	USA 58554955						
	MELARRY EPIC GALAXY-ET	USA 72144561						
	MELARRY EPIC GIBSON-ET	USA 72144564						
	MELARRY EPIC GOODLOOKIN-ET	USA 72144557						
	MELARRY EPIC GUNNER-ET	USA 71515429						
	MELARRY EPIC TAHITI-ET	USA 71490867					C	
	MELARRY EPIC TATOR-ET	USA 58554916						
	MELARRY FALSTER DOW-RED	USA 58938817						
	MELARRY FIRE-ET	USA 128048278	C					
29HO17835	MELARRY FIRESTAR-ET	USA 58959819						
1HO11734	MELARRY FIVE STAR CRI-ET	840003011816183						
	MELARRY FLAME CAESAR	USA 71490892						
	MELARRY FRANZ MAYHEM-ET	USA 71034213						
	MELARRY FRANZ MITCHEL-ET	USA 71034212	C					
	MELARRY FREDDIE FEBRUARY-ET	USA 69212276						
	MELARRY FREDDIE FLAUNT-ET	USA 69212277						
	MELARRY GALAXY FIREMAN-ET	USA 72942344						
	MELARRY GALAXY FREEWILL-ET	USA 72942325						
	MELARRY GALAXY FRIDLEY-ET	USA 58938887						
	MELARRY GALAXY MCMASTER-ET	USA 72292894						
	MELARRY GALAXY MONOPOLY-ET	USA 72292892						
	MELARRY GENUITY MARKY	USA 59588275						
	MELARRY GILBY FLIRT	USA 71490858						
	MELARRY GILBY FOXTROT	USA 71490841						
	MELARRY GILBY MALIK-ET	USA 58554846						
7HO09819	MELARRY GOLDWYN FRESNO-ET	USA 63283613						1
	MELARRY GREENWAY MAN-ET	USA 59588202						
7HO12581	MELARRY HALOGEN ANCHOR-ET	USA 72942402						
7HO12582	MELARRY HALOGEN FERGAL-ET	USA 58961467						
7HO12540	MELARRY HALOGEN FITZROY-ET	USA 72942411						
29HO17833	MELARRY HALOGEN FRECKLE-ET	USA 72942413						
	MELARRY HALOGEN MARK 279-ET	USA 72987999						
	MELARRY HEADLINER FACTOR-ET	USA 72292888						
	MELARRY HOTROD BANKER-ET	840003131715072						
	MELARRY HOTROD BLUE-ET	840003131715074						
	MELARRY HOTROD DANGLE-ET	840003132122399	C					
	MELARRY HOTROD DANTA-ET	840003132122407	C					
	MELARRY HOTROD DARYLL-ET	840003132122402						
	MELARRY HOTROD EDITOR	840003131715140						
	MELARRY HOTROD FELIPE-ET	840003131715141						
	MELARRY HOTROD MURPHY	840003131715131	C					

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY HOTSHOT FRICK-ET	840003131715105						
	MELARRY HOTSHOT MARLO-ET	840003133743161					C	
	MELARRY HOTSHOT MARLON-ET	840003133743162						
	MELARRY HOTSHOT MYSTERY-ET	840003131715117					C	
	MELARRY HUNTER MONKEY	USA 72292813						
7HO07629	MELARRY INQUIRER FINAL	USA 132549026						
	MELARRY JABIR MEMO	USA 73738564		C	C			
	MELARRY JACEY FANNY	USA 73738588						
	MELARRY JACEY LATTE	USA 58961439					C	
7HO10799	MELARRY JEEVES FANTA-ET	USA 66398559						
	MELARRY JEEVES FRANCE-ET	USA 66398555						
97HO40210	MELARRY JEEVES FRANCISCO-ET	USA 66398553						1
	MELARRY JETSET TUCKER	USA 73738548						
	MELARRY JOESUPER 413-ET	840003129237078						
	MELARRY JOHNSON FARMSIDE	USA 58940620						
	MELARRY JOSUPER FEATURE-ET	USA 74261652						
	MELARRY JOSUPER FORREST-ET	USA 74261646						
	MELARRY JOSUPER FRANKLIN	USA 74261641						
7HO12788	MELARRY JOSUPER FRAZZLED-ET	USA 74261651						
	MELARRY JOSUPER MALCOLM-ET	840003129134623						
	MELARRY JOSUPER MAYNARD-ET	840003129134627						
	MELARRY JOSUPER MERCURY-ET	840003129134626						
	MELARRY JOSUPER WYLIE	USA 74261636			C			
	MELARRY KATO MMA-ET	USA 58959849						
	MELARRY KATO MONSTAR-ET	USA 58959851						
	MELARRY KINGBOY FELON	USA 74261663						
	MELARRY KINGBOY FLOOP-ET	USA 58959897						
	MELARRY KINGBOY FLORIDE-ET	840003128713922						
7HO12712	MELARRY KINGBOY KELFORD	USA 73738591						
	MELARRY KINGBOY WALLY-ET	840003128713924						
	MELARRY KINGBOY WHYATT-ET	840003128713916						
	MELARRY KOOL MOSES-ET	USA 71490836						
	MELARRY LADD DELITE-RED-ET	USA 71490893						
	MELARRY LADD DRAGON-ET	USA 71490903						1
	MELARRY LADD DURAMAX-ET	USA 71490894						
	MELARRY LADD DYNAMO-ET	USA 71490884						
	MELARRY LADD P DALLAS-ET	USA 71515417						
	MELARRY LADD P DEAN-RED-ET	USA 71515418						1
	MELARRY LADDMAN DARNELL	USA 73738574						
1HO06781	MELARRY LANTZ FIREBALL-ET	USA 129047319						
	MELARRY LARSEN DENVER-RED-ET	USA 70594760						3
	MELARRY LARSEN DUSTER-RED-ET	USA 70594759		C				3
	MELARRY LARSON DAVE-RED-ET	USA 71034193						3
	MELARRY LATIMER WIMPY-ET	USA 58912078			C			
	MELARRY LATIMER WITTY-ET	USA 58912081			C			1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY LITHIUM TIMMY-ET	USA 72395563						
	MELARRY LITHIUM TRIMBLE-ET	USA 58554983					C	
7HO12472	MELARRY MACK ALCO-ET	USA 58940677						
	MELARRY MACK ALE-ET	USA 58940696						
	MELARRY MACK ALIEN-ET	USA 58940698						
	MELARRY MACK ARSENAL-ET	USA 58940691						
	MELARRY MACK DEVIL-ET	USA 72942386						
7HO12458	MELARRY MACK MOOSE-ET	USA 58940635						
	MELARRY MAGNUS FEDERAL-ET	USA 71490831						
	MELARRY MAGNUS FYI-ET	USA 71490837						
	MELARRY MAN-O-MAN FATE-ET	USA 69859273						
	MELARRY MAN-O-MAN FILIPE-ET	USA 69859225						
	MELARRY MAN-O-MAN FRANCO-ET	USA 69859241						
	MELARRY MAN-OMAN FLORIDA-ET	USA 69859288						
	MELARRY MARTY MARTY	840003131715113						
	MELARRY MARTY ROBBY	840003131715126						
	MELARRY MASCAL FYNN	840003131715076						
	MELARRY MASCAL TRICK	840003131715109						
	MELARRY MAURICE FUCHSIA	USA 72292858						
	MELARRY MAXUM FALALA-ET	USA 72292815						
	MELARRY MAYFIELD FELLO-ET	USA 73738507			C			
	MELARRY MAYFIELD FENCE-ET	USA 58903972						
	MELARRY MAYFIELD FLUFF-TW	USA 71490909			C			
	MELARRY MAYFIELD FOFO-ET	USA 58903966			C			
	MELARRY MAYFIELD FRAGILE-TW	USA 71490910			C			
	MELARRY MAYFIELD FREEWAY-ET	USA 71490913			C			
	MELARRY MCCUTCHEN GLORY-ET	USA 72292835						
	MELARRY MCCUTCHEN MASON-ET	USA 58903932						
	MELARRY MCCUTCHEN MCCOY-ET	USA 71490911						
	MELARRY MILES CASH-ET	USA 72686462						
	MELARRY MILES CRUSH	USA 72942381						
	MELARRY MILES DEREK	USA 74203734						
	MELARRY MILES DEVIL-ET	USA 72942353						
	MELARRY MILES EARL	USA 73738592						
	MELARRY MILES FANTACIZE	USA 72942360						
	MELARRY MILES FIONN	USA 73738590						
7HO12459	MELARRY MILES FIREBOMB	USA 72942354						
	MELARRY MILES FIREKRAKER-ET	USA 72942361						
	MELARRY MILES FLICKA-ET	USA 72942367						
	MELARRY MILES FRENCHMAN	USA 74261582						
	MELARRY MILES FRICTION	USA 72942351						
	MELARRY MILES MCGEE-ET	USA 72942366						
7HO12457	MELARRY MILES MYKAL-ET	USA 72942346						
	MELARRY MILLINGTON NOEL-ET	840003131715129						
	MELARRY MILLINGTON NORTH-ET	840003131715135						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY MILLION FLETCH-ET	USA 66398589						1
	MELARRY MILLION FONZIE-ET	USA 69212333						1
	MELARRY MILLION MARLO-ET	USA 69212308						
	MELARRY MITEY-P DIEHARD	USA 70594701						1
	MELARRY MIXER MOONSHINE	USA 71490877						
	MELARRY MOGUL 4WD-ET	USA 71490897						
	MELARRY MOGUL CAL2-ET	USA 58554907						
	MELARRY MOGUL CANCER-ET	USA 58554898						
	MELARRY MOGUL CRANDAL-ET	USA 58554946						
	MELARRY MOGUL CRASH-ET	USA 58554965						
	MELARRY MOGUL FORK-ET	USA 58554967						
	MELARRY MOGUL FRAM-ET	USA 58554969						
	MELARRY MOGUL MURRY	USA 71490840		C				
	MELARRY MONTROSS ABRA	840003128713898						
	MELARRY NUM UNO MICHAEL-ET	USA 72395530						
	MELARRY O-COSMO FRANK-ET	USA 71908435						
	MELARRY O-STYLE CRATCH-ET	USA 58504289			C			
	MELARRY O-STYLE MARKIE-ET	USA 58504274			C			
	MELARRY O-STYLE MOSTYLE-ET	USA 70594763		C	C			
	MELARRY OAK FIREPROOF-ET	USA 72292902						
	MELARRY OAK FOOTLOOSE-ET	USA 72292900						
	MELARRY OBSERVER DANIEL-ET	USA 57094297						
	MELARRY OBSERVER FYSICAL	USA 70594717						
	MELARRY PENLEY MIGHT-ET	840003131715060			C			
	MELARRY PETRONE FESTIVAL-TW	USA 71490845						
7HO12126	MELARRY PETRONE FLORES-TW	USA 71490844						
	MELARRY PETRONE MALASIA	USA 71490853						
	MELARRY PIT HBULL DOODOO-ET	USA 57094263		C				3
	MELARRY PITBULL CHUCKY-ET	840003131715093		C				
151HO05824	MELARRY PITBULL DIEGO-RED	USA 70594700		C				
	MELARRY PONDER FREEZE-ET	USA 73738515						
	MELARRY PRE WALDNER-ET	USA 58938856						
	MELARRY PROFIT NILES-ET	840003131715082						
	MELARRY PROFIT NOBLE-ET	840003131715086						
	MELARRY PTBULL FULLMOON-RED	USA 73738572		C				
	MELARRY R FANFARE-ET	USA 70596074						
	MELARRY RAMOS FASCINATE-ET	USA 66398508						1
	MELARRY RAVISH FALCON-ET	USA 70594733						
	MELARRY RAVISH FELIX	USA 70594756						
	MELARRY RAVISH FIESTA-ET	USA 70594734						
	MELARRY RAVISH FLASH-ET	USA 70594735						
	MELARRY RAVISH FRISKY-ET	USA 70594741						
	MELARRY RAVISH LEOPOLD	USA 70594748						
	MELARRY REDBST FELLO-RED-ET	USA 73738553					C	1
	MELARRY REDLOU DAVID-RED-ET	USA 69212352						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY REDLOU DESIGN-RED	USA 66398538						
	MELARRY REDLOU DIEGO-RED-ET	USA 69212355						
	MELARRY REDLOU DON-RED-ET	USA 69859267	C					
	MELARRY REDLOU DYLAN-RED	USA 69212336						
	MELARRY ROBUST FLURRY-ET	USA 70594694						
	MELARRY ROBUST FRONTIER-ET	USA 69859302						
	MELARRY ROBUST MAKINTOSH-ET	USA 70594753						
	MELARRY ROBUST MANAGER-ET	USA 69859282						
	MELARRY ROBUST MICKEY-ET	USA 70594781						
7HO11836	MELARRY ROBUST MILES-ET	USA 70594754						
	MELARRY ROBUST MONTREAL-ET	USA 70594755						
	MELARRY ROCKY ELAND-ET	USA 59588218						
	MELARRY RODGERS FAKE-ET	USA 58959865						
7HO12655	MELARRY RODGERS FINALE-ET	USA 72942422						
	MELARRY RODGERS FLAMER-ET	USA 58959853						
7HO12656	MELARRY RODGERS FLYNT-ET	USA 73738550						
	MELARRY RODGERS FONTANA-ET	USA 73738536						
	MELARRY RODGERS FONZ-ET	USA 73738535						
	MELARRY SALVATORE FLEX	USA 72942364						
	MELARRY SANCHEZ FALLON-ET	USA 69212306						
	MELARRY SANCHEZ FENTON-ET	USA 69212310						
	MELARRY SANDY FANCYFREE-ET	USA 66398575						1
	MELARRY SAVAGE DISCO-RED-ET	USA 70594736						1
	MELARRY SHAMROCK CORK-ET	USA 58504291						
	MELARRY SHAMROCK FIERCE-ET	USA 70594731						1
	MELARRY SHAMROCK FOX-ET	USA 70594745						
7HO12065	MELARRY SHAMROCK MYSTRE	USA 70594750						
7HO12336	MELARRY SHAN FAITHFUL-ET	USA 72292830						
	MELARRY SHAN FLY	USA 72292839						
	MELARRY SHAN FRESNO-ET	USA 72292831						
	MELARRY SHAN WACKER-ET	USA 58912035			C			
	MELARRY SHAN WYATT-ET	USA 58912028			C			
	MELARRY SHAW DAPPER	USA 72292905					C	
	MELARRY SHEP KAPOW-ET	840003132122381						
	MELARRY SHEP KENYON-ET	840003132122391						
	MELARRY SHEP NOLAN-ET	840003132122365						
	MELARRY SHERIFF CONQUEST	840003131715055						
	MELARRY SHERIFF FLAPJACK	USA 74261674						
	MELARRY SHOTGLASS GODFATHER	USA 72942330						
	MELARRY SHOTGLASS MATRIX	USA 72292906						
	MELARRY SHOTGUN MURIEL	USA 69212272					C	1
	MELARRY SHOWDOWN DREAM	USA 72292851						
	MELARRY SILVER ELF-ET	840003129134670						
	MELARRY SILVER ERNIE-ET	840003129134674						
	MELARRY SILVER EZEKIAL-ET	840003129134679						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY SILVER MAXTON	840003131715068						
	MELARRY SILVER MILES-ET	840003129134647						
	MELARRY SNOW FARTLEY-ET	USA 58940647			C			
	MELARRY SNOWMAN MICAH-ET	USA 71908425			C			
	MELARRY SNOWMAN MOMENT-ET	USA 72292819						
	MELARRY SNOWMBL FIN-ET	USA 72686450						
	MELARRY SNOWMOBIL FELIX-ET	USA 72686451						
	MELARRY SNOWMOBIL FEST	USA 72942358						
	MELARRY SNOWMOBIL FLAME-ET	USA 58961443			C			
	MELARRY SNWMBIL MCMASTER-ET	USA 72942329			C			
14HO05216	MELARRY SOSA FOREST-ET	USA 62399605						
7HO09078	MELARRY SOSA FUNKY-ET	USA 62399607						
	MELARRY SPARK MACINTYRE	840003131715070						
	MELARRY SPARK THEO	840003131715115						
	MELARRY SPRING MUTT	840003133743130						
	MELARRY STRATIFY KING-ET	840003133743137						
	MELARRY SUDAN MIKE-ET	USA 71034215						
	MELARRY SUPER FARLEY-ET	USA 69859228						
	MELARRY SUPER FERGUSON	USA 69212307						
	MELARRY SUPER FIZZ-ET	USA 69859229						
7HO11092	MELARRY SUPER FLAME	USA 69212292						
	MELARRY SUPER FLIP-ET	USA 69859310						
	MELARRY SUPERSHOT FILCO-ET	840003128713964						
7HO12823	MELARRY SUPERSHOT FLAK-ET	840003128713959						
7HO12825	MELARRY SUPERSHOT MILO-ET	840003128713961						
	MELARRY SUPERSHOT WALLA-ET	840003128713946						
	MELARRY SUPERSIRE FAB-ET	USA 72292827						
	MELARRY SUPERSIRE FAD-ET	USA 58903927						
7HO12287	MELARRY SUPERSIRE FATHON-ET	USA 58903924						
44HO00441	MELARRY SUPERSIRE FIDO-ET	USA 58903928						
44HO00440	MELARRY SUPERSIRE FRANZ-ET	USA 58903923						
	MELARRY SUPERSIRE MACK-ET	USA 58903914						
	MELARRY SUPERSIRE MANITE-ET	USA 58903920						
7HO12288	MELARRY SUPERSIRE MATCH-ET	USA 58903919						
	MELARRY SUPLEX AHAB-ET	USA 58903987						
	MELARRY SUPLEX FRONT-ET	USA 58912097						
	MELARRY SYMPATICO DARKO	USA 59588287			C			
	MELARRY TANGO DRAKE	USA 73738552						
	MELARRY TENSION-ET	USA 70690975						
	MELARRY VOTTO FOE-TW	USA 74261584						
	MELARRY VOTTO FRANCIS-ET	840003128713881						
	MELARRY VOTTO FRANK-ET	840003128713883						
7HO12824	MELARRY VOTTO FRED	USA 74203742						
	MELARRY WILLPOWER CAIN-ET	USA 72942390	C					
	MELARRY WLPWR FEENY 536-ET	USA 73276758	C					1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MELARRY WONKA MARDO	USA 59588297			C			
	MELARRY WPWR CARTER 534-ET	USA 73276756						
	MELARRY WPWR CASTLE 533-ET	USA 73276755						
	MELARRY YANO BATMAN-ET	USA 58504262						
	MELARRY YANO BATMEN-ET	USA 58504263						
	MELARRY YANO BEER-ET	USA 58504268						
	MELARRY YANO FRANK-ET	USA 71034222						
	MELARRY YANO FRITZ-ET	USA 71034224						
	MELARRY YANO TAPE-ET	USA 58504297					C	
	MELARRY YODER FRANK	USA 74203739						
	MELARRY YODER MARVLOUS-ET	USA 74261608						
	MELARRY YODER MUFFY-ET	USA 74261612						
	MELARRY YODER VALLY	840003131715063						
	MELARRY YODER WEEZER-ET	840003129134624						
	MELARRY YODER WHILEY-ET	840003129134630						
	MELARRY YODER WILEY-ET	840003129134621						
	MELARRY YODER WILMOT-ET	840003128769218						
	MELARRY ZDESTINY DEWDROP	USA 72292836					C	
	MELARRY ZDSTNY DUFFER-RED	USA 71490878						
	MELARRY ZENITH MAX-ET	USA 64807047						
14HO05980	MELARRY ZENITH MERLIN-ET	USA 64807006						
7HO10249	MELARRY ZENITH MIGUEL-ET	USA 64807046						
	MELARRY ZENITH MISTER-ET	USA 64807002						
7HO08568	MELARRY-JOY FINLY JUSTIN-ET	USA 61803583	C					
9HO01095	MELINDAS MIGHT-ET	USA 2003806						
1HO05557	MELL-WOOD BARLO-ET	USA 122846234	C					
7HO09520	MELL-WOOD ELEGANT RULE-ET	USA 60330163						
7HO06172	MELL-WOOD GRAN JALOPENA-ET	USA 120407619						
1HO05192	MELL-WOOD HUNTER CUTTER	USA 2299651						
7HO09757	MELL-WOOD LOU RIPPER-ET	USA 138517197						
14HO05613	MELL-WOOD MARION RANSOM-ET	USA 60330162	C					
7HO05919	MELL-WOOD THAD JUSTICE-ET	USA 17162838	C					
	MELL-WOOD TRENDSETTER-ET	USA 2112075						
1HO05053	MELL-WOODSA BELLMAN MONTEGO	USA 2266391						
	MELL-WOODSA MAJESTY-ET	USA 2247100						
1HO02590	MELLOW-BROOK LB KASEY-P-RED	USA 139538252						
1HO09420	MELODY-LAWN SWITCHFOOT-ET	USA 62710581						
1HO07715	MELODY-LAWN TOBYMAC-ET	USA 60619761						
	MELODYDELL CASTLE CRWN CAIN	USA 142498451						
	MELODYDELL CASTLE MOSES-RED	USA 142670073						
11HO11094	MELSTYLE ALTAMAYNARD	NLD 713482245					C	
	MELSTYLE ALTAMILAN	NLD 533081848						
200HO02475	MEMENTO BENEDICT P	CAN 7528937						
	MEMENTO JEEVES BISHOP	CAN 9826954						
	MEMENTO MONARCH-ET	CAN 5966756		C				

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
21HO01334	MEMORIAL-ACRES R ROB-ET	USA 2029367						
21HO01332	MEMORIAL-ACRES ROTATE CORD	USA 2026181						
1HO02236	MEONAH LJ ONTARIO	USA 2288812						
	MEPRON CAIN MUSCLES 5759-ET	840003125228633						
	MEPRON HALOGLN RUBEN 5608-ET	840003125228482						
7HO06045	MER-BYK-MIG FABIAN-ET	USA 17340802						
11HO05232	MER-BYK-MIG FLAVIUS-ET	USA 17289645						
	MER-BYK-MIG FRAYNE-ET	USA 18005843	C					
1HO05623	MER-BYK-PYR DANFRED-CRI-ET	USA 123252768						
7HO09608	MER-GOLD ADV MIDAS-RED-ET	USA 64096161						
7HO08718	MER-GOLD AUTUMN SON-RED-ET	USA 136238881						
100HO10783	MER-GOLD MAXIUM-RED-ET	USA 64096141						
7HO09300	MER-GOLD PERSIA STAR-RED-ET	USA 136884439						
76HO00602	MER-GOLD RL MARLBORO-RED-ET	USA 64096157						
200HO03496	MER-GOLD SOLARA-RED-ET	USA 136875648						1
94HO00869	MER-GOLD STICKY-RED-ET	USA 136875639						
151HO03161	MER-JAMES TARNISH 1220-ET	840003129037595						
	MER-WOL AFT SHAPER-ET	USA 69536017					C	1
29HO16075	MER-WOL FREDDIE SHADDER-ET	USA 69536021						1
	MER-WOL FREDDIE SHAPPY-ET	USA 69536018						1
	MER-WOL FREDDIE SHEP-ET	USA 69536023						
	MER-WOL FREDDIE SHEVELLE-ET	USA 69974228						
29HO16044	MER-WOL JVS SHIPPER-ET	USA 69536016						1
	MER-WOL MILLIN SALISBURY-ET	USA 69056735						1
	MER-WOL SUPER SHADOW-ET	USA 69536019						1
	MER-WOL SUPER SHOPPER-ET	USA 69536022						1
29HO16073	MER-WOL SUPER SPRINT-ET	USA 69536020						
199HO00112	MERCHANT RUBENTOT	ITA 13500020139						
200HO04203	MERCIAL GRUDZ-ET	CAN 6994676						
14HO01625	MERCY PHIDEAUX-ET	USA 2135113						
7HO09846	MERGOLD PARA-DICE-RED-ET	USA 64096189						1
204HO01153	MERINIT-ET	DEU 112032104						
1HO04391	MERIT BELLMAN MASTER TCG-ET	USA 2190638						
1HO04392	MERIT BELLMAN MISTER TCG-ET	USA 2190639						
9HO01868	MERIT BESTOW	USA 2192107	C					
21HO01658	MERIT BRANDON-ET	USA 2054850			C			
1HO04518	MERIT CLINTON-ET	USA 2196501						
1HO01830	MERIT DENATATE-ET	USA 2067996						
	MERIT M-BRAVENICK-ET	USA 2174533						
21HO01250	MERIT ROTATE CAPTAIN-ET	USA 2032124						
7HO05915	MERIT SAFTRON	USA 17140275						
200HO03003	MERIT SALTON-ET	USA 17282109						
7HO06044	MERIT SPARK-ET	USA 17340782						
21HO01682	MERIT TELOTATE-ET	USA 2042332						
	MERIT-ELM BENSIGN-ET	USA 17282117						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MERIT-ELM BLEND-ET	USA 17282108						
1HO05236	MERIT-ELM DIXIE BEN TCG-ET	USA 2295930						
1HO05237	MERIT-ELM DIXIE BOLT TCG-ET	USA 2295928						
1HO08083	MERIT-SALEM SHERIDAN	USA 18005847						
29HO07593	MERIT-SALEM STOCKTON-ET	USA 2197287						
	MERIT-STAR ABSTRACT	USA 2200193						
	MERKLINE 1ST JURASSIC-ET	840003126621450						
	MERKLINE BAXTER JAGUAR	USA 64782853						
29HO13357	MERKLINE GOLDWYN JIN-ET	USA 62872754						
	MERKLINE JABIR BABCOCK-ET	USA 72913289						
	MERKLINE JUMP IGGY-ET	840003133457052						
	MERKLINE JUMP IGNATIUS-ET	840003133457053						
	MERKLINE JUMP IGOR-ET	840003133457051						
	MERKLINE LEAF PLACEBO	840003126621442						
	MERKLINE LEXOR IVANHOE	USA 71368660						
	MERKLINE NIFTY JOSIE	USA 64782863						
	MERKLINE SHERAC IKE	USA 69737624						
	MERKLINE SPRING JIDAHO-ET	840003133457054						
	MERKLINE UTAH BASTILLE	840003133457060					C	
7HO07691	MERLOT DERRY KINGSTON-ET	USA 133420885			C			
14HO04368	MERLOT ITO KANE-ET	USA 60190685						
100HO10595	MERLOT KING OF LEGEND-ET	USA 63676049						
1HO08272	MERLOT MORTY KIRK-ET	USA 134317021	C					
8HO02633	MERRI-BUCK HORACE-ET	USA 2116008	C					
14HO02912	MERRY CASEY MALIK-ET	USA 17031118						
7HO05996	MERRY CLEO B-W CLEM-ET	USA 17385923						
7HO06423	MERRY HELEN LARRY	USA 124581049						
1HO06235	MERRY HELGA COAL-ET	USA 17312118	C					
1HO06179	MERRY-AIR BELLAUT-ET	USA 17027804						
1HO06178	MERRY-AIR INDEX-ET	USA 17027802						
	MERRYMEAD DORCY MAYNARD	USA 142649615						
235HO00322	MESLAND DUPLEX-ET	ESP 9201683779						
	MEXCEL ROYAL HYDON-ET	CAN 395914		C				
200HO07332	MEYERS P S ELEVEN	DEU 348827995				C		
7HO09345	MEYERVILLA AD BUTANE-RED-ET	USA 137787566						
	MEYERVILLA BACH-RED-ET	USA 139019236						
	MEYERVILLA BAILOUT-RED-ET	USA 139887057						
	MEYERVILLA BEETHOVEN-RED-ET	USA 139019227						
	MEYERVILLA COLT VORTEX P	USA 142243864						
	MEYERVILLA D SHOCKWAVE-ET	USA 141187501						1
	MEYERVILLA D SPYGATE-ET	USA 141131461						1
	MEYERVILLA DS TU-WRITE-RED	USA 139886814						
	MEYERVILLA DS TUBAD-RED-ET	USA 140220124					C	
	MEYERVILLA L SANDMAN-RED-ET	USA 141648956		C				
	MEYERVILLA LAMPLIGHTER-ET	USA 142248636						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MEYERVILLA OAK NO-NAME	USA 143031093						3
	MEYERVILLA PSTL PETE PP-RED	USA 141331375						
	MEYERVILLA SHOWPALACE-ET	USA 141131452						1
	MEYERVILLA SNOWSHOES-ET	USA 141648929						
	MEYERVILLA SNZ STING RAE-ET	USA 140248881						1
	MEYERVILLA SPRMT SUNSCREEN	USA 140331064		C			C	1
	MI-COL FIRE MASTER-RED	USA 143138231						3
	MI-LINDA BURT CHEATER	USA 140096970		C				
14HO06181	MI-RO-ZE BOLIVER PRIMO-ET	840003005027117						
	MI-RO-ZE BOLIVER PROSPER-ET	840003004373237						
1HO08699	MI-RO-ZE CLAIM MATEO CRI-ET	USA 62030856						
1HO08910	MI-RO-ZE MRMX MATRIX-RED-ET	USA 136549448						
1HO08865	MI-RO-ZE POTTER MANTEL-ET	USA 136495392						
	MI-RO-ZE SOCRATES AIDEN-ET	USA 52761876						
	MI-RO-ZE SOCRATES ALADIN-ET	USA 52761878						
	MI-RO-ZE SOCRATES ALEC-ET	USA 52761877						
	MI-RO-ZE SOCRATES ANDRE-ET	USA 139661161						
100HO03119	MI-SHA ATWOOD ALVIN-ET	USA 141523015						
11HO05426	MI-SHA COOKIE CUTTER-ET	USA 121599278	C					
	MI-SHA MALONE NIK-RED-ET	USA 143113894						
	MI-SHA MALONE NIKLAS-RED-ET	USA 143113906						
200HO01597	MIA CRANE	CAN 8417667						
	MIA DECADENT	CAN 6058266						
73HO01329	MIBELSON SUPREME-ET	CAN 394416						
	MIC-ALI RUDLPH MIDNIGHT-RED	USA 72521312		C				3
202HO00790	MICAT-ET	NLD 892829622		C				
7HO08425	MICHAEL STORM AVALANCHE	USA 122596522						1
	MICHERET ASHTON	CAN 9115952						
	MICHERET ASTRO-ET	CAN 5930881						
200HO05679	MICHERET BLACKBURN-ET	CAN 103782212						
200HO06099	MICHERET CAIRO-ET	CAN 105660828						1
72HO00810	MICHERET CORBY	CAN 5733331	C					
	MICHERET DOLBY-ET	CAN 5108798						
	MICHERET DOMINO-ET	CAN 403245	C					
	MICHERET FORUM-ET	CAN 101146847						
204HO02063	MICHERET HOUSTON-RED-ET	CAN 102484352						1
200HO05546	MICHERET INFRAROUGE-RED-ET	CAN 103366695						
200HO05680	MICHERET INTACT-RED-TW	CAN 103782227						
204HO02064	MICHERET LADISLAS-ET	CAN 102484344						1
	MICHERET LAWSON	CAN 6591171						
	MICHERET LEGEND	CAN 6912135						
	MICHERET LINEL-ET	CAN 5301765						
200HO05118	MICHERET LOVERBOY-ET	CAN 101146872						
73HO01878	MICHERET LUXOR-ET	CAN 5301772						
	MICHERET NINJA-ET	CAN 5369732						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MICHERET PARTY-ET	CAN 9047833						
	MICHERET PATHFINDER-ET	CAN 9115983	C					
200HO04485	MICHERET PICSOU	CAN 9047842						
200HO05947	MICHERET RAMSES-ET	CAN 105209918						
200HO05977	MICHERET REDQUILL-RED	CAN 105209935					C	
200HO05117	MICHERET STORMONT-TW	CAN 101146865						
	MICHERET SUPERSTAR-ET	CAN 6359642						
	MICHERET TONER	CAN 5694861	C					
	MICHERET TONKA-ET	CAN 5912981						
	MICHERET VENTURA-RED	CAN 400301						
200HO06098	MICHERET VOGUE-ET	CAN 105660827						1
73HO02323	MICHERON LINGOT-ET	CAN 5804457						
	MICHETTE LORiot-ET	CAN 100323414						
200HO05215	MICHETTE MEDIEVAL-ET	CAN 101944587						
	MICHIGAN AARON 1176-ET	USA 142086232						
	MICHIGAN ALIMONY 776	840003004184226						
	MICHIGAN APU 1265	USA 142569731						
7HO10278	MICHIGAN ASHTON BETA-ET	USA 138793647						
	MICHIGAN ATTLA 641-ET	USA 138633600						
14HO05896	MICHIGAN ATTRACTION 619-ET	USA 138633570						
	MICHIGAN AUTOMATIC 627-ET	USA 138633598						
	MICHIGAN BARNUM 1021-ET	USA 141204275						
29HO10707	MICHIGAN BEAMER-ET	USA 131176584			C			
29HO11506	MICHIGAN BRENTON-ET	USA 133811193						
	MICHIGAN BUCKWHEAT 1054-ET	USA 141494294						
	MICHIGAN BUGS 1233-ET	USA 142331060						
1HO10838	MICHIGAN BUMBLEBEE-ET	USA 141548340			C			
	MICHIGAN BUSTER 1235-ET	USA 142331127						1
	MICHIGAN CAESAR 1175	USA 142086214						
	MICHIGAN CAMERON 1217-ET	USA 142330845						
	MICHIGAN CARGO 1204-ET	USA 142168574						
	MICHIGAN CECIL 1044-ET	USA 141367121						
	MICHIGAN CHARON 1218	USA 142330854						1
	MICHIGAN CHIP GIZMO 1013-ET	USA 141142683						
29HO16462	MICHIGAN COLSON-ET	USA 141204284						
	MICHIGAN COREY 1259	USA 142518016						
	MICHIGAN COSMO 1018-ET	USA 141204266						
	MICHIGAN COSTELLO 1168	USA 142047824						
	MICHIGAN COVERT 861-ET	USA 140135837						
1HO09529	MICHIGAN D H ALLEN-ET	USA 138287555						
	MICHIGAN DADDY OCTAVE 1243	USA 142422625						
	MICHIGAN DANTONIO 1493-ET	840003126920211						
14HO07511	MICHIGAN DAYBREAK 1302-ET	840003011839358						
	MICHIGAN DILLER 979-ET	USA 140886724						
	MICHIGAN DIVIDE 1252	USA 142517976			C			1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MICHIGAN DOC BONKUS 1015-ET	USA 141142692						
	MICHIGAN DOUGH 1194	USA 142168426			C			
14HO07464	MICHIGAN DUSK 1273-ET	USA 142571879						1
29HO17843	MICHIGAN DUSK-ET	USA 142745834			C			
	MICHIGAN FRANK 1177	USA 142086241						
14HO07313	MICHIGAN FROST 1188-ET	USA 142168369						
	MICHIGAN GAELIC 1095-ET	USA 141668268						
	MICHIGAN GIL 1179-ET	USA 142086250						
	MICHIGAN GRACELAND 1155-ET	USA 141974080						
7HO11276	MICHIGAN HALFTRACK 942-ET	USA 140643725						
	MICHIGAN HAYFEVER 1351	840003123705083						
	MICHIGAN HEMINGWAY 1192-TW	USA 142168417						
	MICHIGAN HOLLYWOOD 1068-ET	USA 141548386			C			
	MICHIGAN HUGH 1266	USA 142569740						
	MICHIGAN HUNTER 1039-ET	USA 141358068						
29HO16471	MICHIGAN INDULGE-ET	USA 141204314						
29HO16876	MICHIGAN IZZO	USA 141974071						
	MICHIGAN JESTER 1026-ET	USA 141204332						
	MICHIGAN JOY 1145-ET	USA 142003840						1
	MICHIGAN JUNIOR MINT 1291	840003011839230						
	MICHIGAN KA-CHING 802-ET	840003004184186						
	MICHIGAN KARENA 805-ET	840003004184194						
	MICHIGAN KARMA 799-ET	840003004184180						
	MICHIGAN KATCHER 1210	USA 142330760						
	MICHIGAN KELVIN 824-ET	USA 139958775						
	MICHIGAN KENSINGTON 828-ET	USA 139958805						
	MICHIGAN KILO 785-ET	USA 139674545						
14HO06672	MICHIGAN KING KOOPA 944	USA 140728154						
	MICHIGAN KNOWLEDGE 1102	USA 141662477						
	MICHIGAN LEFTY 840-ET	USA 140019548						
	MICHIGAN LEO 674-ET	USA 138793638						
	MICHIGAN LEROY 734-ET	USA 139304839			C			
	MICHIGAN LIAM 1092-ET	USA 141668259						
	MICHIGAN LINUS 676-ET	USA 138793674						
	MICHIGAN LINUS 732-ET	USA 139304781			C			
	MICHIGAN MACKINAC 748-ET	USA 139391987						
7HO10765	MICHIGAN MADIGAN 832-ET	USA 140019502						1
14HO06172	MICHIGAN MALONE 751-ET	840003001408890						
	MICHIGAN MAMILLIUS 864-ET	USA 140135882						
	MICHIGAN MANTIS 1053-ET	USA 141494276						
	MICHIGAN MARKO 865-ET	USA 140135891						
14HO07791	MICHIGAN MAXIMILIAN-ET	840003126920163						
	MICHIGAN MAXWELL 862-ET	USA 140135855						
14HO03388	MICHIGAN MET JOKER 9591-ET	USA 124568565						
	MICHIGAN MONTE 838-ET	USA 140019520						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MICHIGAN MOOCHER 1043-ET	USA 141358086						
	MICHIGAN MORT 1038-ET	USA 141358059						
7HO07979	MICHIGAN MORTY BERWIN 88-ET	USA 133811205						
	MICHIGAN MOSI 693	USA 138942760				C		
	MICHIGAN MOTOWN 782-ET	USA 139674563						
	MICHIGAN MUFASA 749-ET	USA 139392009						
	MICHIGAN MURDOCK 1212	USA 142330788						
	MICHIGAN MURICA 1257	USA 142518007						
14HO07326	MICHIGAN MUSTANG 1201-ET	USA 142168462						
	MICHIGAN MYSTERY 836-ET	USA 140019511						
29HO16463	MICHIGAN NEWELL	USA 141142656						
	MICHIGAN NIELSEN 1173-ET	USA 142086193						
	MICHIGAN OPTIMIZE-ET	USA 142330872						
14HO07608	MICHIGAN ORION 1357-ET	840003123705097						
	MICHIGAN OZARK 1213	USA 142330797						
	MICHIGAN PEMBERTON 1146-ET	USA 142003813						
	MICHIGAN PERCY 1267	USA 142569768						
	MICHIGAN POINTER 753-ET	USA 139392036			C			
1HO10679	MICHIGAN POSEIDON ONYX-ET	USA 141259341			C			
14HO07197	MICHIGAN PRESLEY 1136-ET	USA 141835486						
	MICHIGAN PRIME 1063-ET	USA 141548322						
14HO05230	MICHIGAN PTTR MAX 380-ET	USA 136371032						
	MICHIGAN RANDY 984-ET	USA 140977062						
14HO06662	MICHIGAN SGT SNORKEL 941-ET	USA 140643716						
1HO09214	MICHIGAN SHOTTL BRAM 467-ET	USA 137300352					C	
1HO09216	MICHIGAN SH TTL BUDD 468-ET	USA 137300389						
97HO40962	MICHIGAN SODA 1132-ET	USA 141835413						
	MICHIGAN SPARTICUS 958-ET	USA 140788884						
	MICHIGAN SPENCER 1166-ET	USA 142047794						
	MICHIGAN SPR ANDREW 1242-TW	USA 142422607						
	MICHIGAN STANEGLASS 1016-ET	USA 141142704						
97HO40963	MICHIGAN STARK 1133-ET	USA 141835431						
	MICHIGAN STEPHANO 1256	USA 142517994						
	MICHIGAN STOCK 1172-ET	USA 142086184						
	MICHIGAN SUCCADE 1255	USA 142517985						
	MICHIGAN SUNRISE 1317-ET	USA 142745825			C			
	MICHIGAN SUPR CONOR 1241-TW	USA 142422595						
14HO07297	MICHIGAN SYRUP 1174-ET	USA 142086205						
	MICHIGAN TONKA 1167-ET	USA 142047806						
7HO10766	MICHIGAN TUCK 852-ET	USA 140135798						1
	MICHIGAN TYLER 1224-ET	USA 142330902			C			
14HO05777	MICHIGAN UPWARD 591-ET	USA 138287416						
	MICISHACH 9003-ET	USA 68923265						
	MICISHACH 9004-ET	USA 68923266					C	
	MICISHACH 9005-ET	USA 68923267					C	

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MICISHACH 9006-ET	USA 68923268					C	
	MICISHACH 9011-ET	USA 68923273					C	
	MICISHACH 9023	USA 68923285						
	MICISHACH 9025	USA 70057295						
	MICISHACH ALEXANDER 90006	USA 140162198						1
11HO11377	MICISHACH ALTAALDERMAN-ET	USA 71499621						
11HO11376	MICISHACH ALTAEVADE-ET	USA 71499625						
11HO11270	MICISHACH ALTASWINGER-ET	USA 70057317					C	
	MICISHACH BOLIVER 90005	USA 139682492						
	MICISHACH BOLIVER KELLER-ET	USA 139680735			C			
	MICISHACH BOLIVER KERMIT-ET	USA 139680799			C			
	MICISHACH BOLIVER KLYDE-ET	USA 139680801						
	MICISHACH BOLIVER KOLBEN-ET	USA 139680771			C			
1HO10469	MICISHACH FREDDIE KANE-ET	USA 68923275					C	
	MICISHACH SHOTTLE CRASH-ET	USA 139509252					C	
	MICISHACH SUPERSIRE 366-ET	USA 73238556						
202HO00809	MICKEYMAC-ET	IRL261014190456						
1HO05948	MICKLE-HOB MTOTO CAN CRI-ET	USA 60162873						
	MIDAS-TOUCH AFFIRM-RED-ET	840003126636827						
	MIDAS-TOUCH ALARM-RED	840003126636849						1
	MIDAS-TOUCH ALCO FAST-ET	840003132475266						
	MIDAS-TOUCH ALCO JACKSON-ET	840003132475272						
	MIDAS-TOUCH ALCO JEALOUS-ET	840003132475263						
	MIDAS-TOUCH ALCO JUDAH-ET	840003132475273						
	MIDAS-TOUCH ALCO PALACE-ET	840003132475261						
	MIDAS-TOUCH ANSWER-RED-ET	840003131083959						
	MIDAS-TOUCH ARTWORK-ET	840003126636839						
	MIDAS-TOUCH AS RANSACK-ET	USA 68768867						
	MIDAS-TOUCH AS REDEEM-ET	USA 68768868					C	
	MIDAS-TOUCH BETTER OFF-ET	840003126636814						
	MIDAS-TOUCH BICKER-ET	840003126636813						
	MIDAS-TOUCH BIGSHOT-ET	840003011776161						
29HO17974	MIDAS-TOUCH BOY WONDER-ET	840003013514989						
29HO17674	MIDAS-TOUCH BULLSEYE-ET	840003011776162						
	MIDAS-TOUCH CAMERON-RED-ET	USA 70641956						
	MIDAS-TOUCH CASSINO-RED-ET	USA 70641955	C					
	MIDAS-TOUCH CHOPS OMEGA	840003132475306						
	MIDAS-TOUCH CS CANON-RED-ET	USA 69958395						3
	MIDAS-TOUCH CS CAPER-RED-ET	USA 69958405						
	MIDAS-TOUCH CS CHAMP-RED-ET	USA 69958402	C					
	MIDAS-TOUCH DR FUN-ET	840003132475278						
	MIDAS-TOUCH DR FUNTIME-ET	840003132475279						
	MIDAS-TOUCH DR PEPPER-ET	840003132475289						
	MIDAS-TOUCH DR PRESIDENT-ET	840003132475285						
	MIDAS-TOUCH DR PURPLE-ET	840003132475284						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MIDAS-TOUCH EN JAILBIRD-ET	840003132475268						
	MIDAS-TOUCH FOR REAL-ET	USA 68768848						
	MIDAS-TOUCH GOLDEN HALO-ET	840003126636811						
	MIDAS-TOUCH HOT PARADE-ET	840003132475260						
	MIDAS-TOUCH HS PILSNER-ET	840003132475270					C	
	MIDAS-TOUCH HS PINNACLE-ET	840003132475247					C	
	MIDAS-TOUCH JACEY PREVUE	840003013514961						
7HO12556	MIDAS-TOUCH JACY PAGEONE-ET	840003013514956						
29HO17967	MIDAS-TOUCH KING PROTEIN-ET	840003013514988						
	MIDAS-TOUCH LAN PAYROLL-ET	840003013514968						
	MIDAS-TOUCH M T J-ET	USA 72944955						
	MIDAS-TOUCH M TABLOID-ET	USA 72944953						
	MIDAS-TOUCH M TANNER-ET	USA 72372701						
	MIDAS-TOUCH M TEASER-ET	USA 72944952						
566HO01230	MIDAS-TOUCH M TIMMER-ET	USA 72944954						
	MIDAS-TOUCH M TOUCHDOWN-ET	USA 72372768						
	MIDAS-TOUCH M TREVOR-ET	USA 72944956						
	MIDAS-TOUCH MILL PALMER-ET	840003132475275						
	MIDAS-TOUCH MILL PUCK-ET	840003132475276						
	MIDAS-TOUCH MONTROSSITY	USA 143223201						
	MIDAS-TOUCH PARTY PUNCH-ET	USA 71503233						
	MIDAS-TOUCH PAT ANGLE-ET	840003131083958						
	MIDAS-TOUCH PICTUREFRAME-ET	840003132475264						
	MIDAS-TOUCH PILEDRIVER-ET	840003132475262						
	MIDAS-TOUCH PILLSON-ET	840003132475249						
14HO07788	MIDAS-TOUCH POLISHED-ET	840003131083932						
	MIDAS-TOUCH POWERPOINT-ET	840003013514950						
	MIDAS-TOUCH PRIVILEGE-ET	840003132475265						
29HO18261	MIDAS-TOUCH PURPOSE-ET	840003131083972						
	MIDAS-TOUCH RACER LANKY-ET	840003013514992						
	MIDAS-TOUCH RIGHT ANGLE-ET	840003126636828						
	MIDAS-TOUCH SPIKED PUNCH-ET	USA 71503231						
	MIDAS-TOUCH SPRIN JENSEN-ET	840003131083963						
	MIDAS-TOUCH SS ARIZONA-ET	840003126636844						
	MIDAS-TOUCH SS PASTIME-ET	840003132475292						
	MIDAS-TOUCH SS POLISH-ET	840003131083931						
	MIDAS-TOUCH TAIL PAINTER-ET	840003132475311						
	MIDAS-TOUCH TAIL PLEASER-ET	840003132475310						
	MIDAS-TOUCH TAILOR PATCH-ET	840003132475304						
	MIDAS-TOUCH YO JUKEBOX-ET	840003132475246						
	MIDDLEBUSH FELIX-ET	USA 141548685						
	MIDDLEBUSH MR PHIL-RED	USA 140256886						3
	MIDNITE-BLU GOLDSUN FARMER	USA 142434174						
	MIDNITE-BLU TALNT FLAME-RED	USA 139659939						
14HO05106	MIDWAY ADAM JACE-ET	USA 136274979						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MIDWAY DEMOCRACY 50-ET	USA 70540173						
	MIDWAY DEMOCRACY 51-RED-ET	USA 70540174						3
	MIDWAY TRUMP DENZELL-ET	USA 69023428					C	
	MIDWAY TRUMP LUCKY-ET	USA 69023429						
	MIDWOLDER ALTAMAJURO	NLD 499575106						
9HO01743	MIE-LYN REMARKABUL MYCAL TY	USA 2166665						
	MIERSON MOZYGUS DODGE-RED	840003014089933						3
7HO06177	MIG PARNELL-ET	USA 121179120						
	MIG-FD DOORMAN DOOLITTLE-ET	USA 74635275						
	MIGLIAZZO AIKMAN SAL-RED-ET	USA 70881066						
	MIGLIAZZO AIKMN CASE-RED-ET	USA 70881062						
11HO11474	MIGLIAZZO ALTATOTAL-ET	USA 70881051						
	MIGLIAZZO ARMSTEAD CAIN	USA 66133513						
	MIGLIAZZO ARMSTEAD MICHAEL	USA 66133493						
	MIGLIAZZO BOMBERO 3038	840003129431929						
	MIGLIAZZO BOMBERO 3043	840003129431934						
	MIGLIAZZO CABRLT KEESHA 378	USA 70881082						
	MIGLIAZZO DARIUS RANDALL	USA 66133562						
	MIGLIAZZO DOMAIN MICHAEL	USA 66133536						
	MIGLIAZZO FRED NASSER 302	USA 70881006						
	MIGLIAZZO HARPER-P EZRA 371	USA 70881075						1
	MIGLIAZZO HILL LONNY	USA 66133578						
	MIGLIAZZO JABIR CORY 366	USA 70881070						
	MIGLIAZZO JABIR PAUL 365-TW	USA 70881069	C					
	MIGLIAZZO LARGE GRANITE 320	USA 70881024	C					
	MIGLIAZZO LATMR CAPE 344	USA 70881048						3
	MIGLIAZZO LATMR RAMIL 349	USA 70881053	C					1
	MIGLIAZZO LATMR TREY 350	USA 70881054						
	MIGLIAZZO LOU RORY 345-RED	USA 70881049						
	MIGLIAZZO M-O-M2 JESTER 327	USA 70881031						
	MIGLIAZZO MNFLD CORY 317	USA 70881021					C	
	MIGLIAZZO MOGUL OCTAVIO 390	USA 70881094						
	MIGLIAZZO MOTTO BILLIE	USA 66133541					C	
	MIGLIAZZO OAK PETE 348-ET	USA 70881052						
7HO11185	MIGLIAZZO PIERO	USA 66133524						
	MIGLIAZZO PURE ADIS 386-ET	USA 70881090						
	MIGLIAZZO PURE TYLOR 398-ET	USA 70881102						
	MIGLIAZZO PURE URIAH 385-ET	USA 70881089						
	MIGLIAZZO SPARK KHAN 397-ET	USA 70881101						
	MIGLIAZZO SUNFISH JADEN 393	USA 70881097						
202HO00819	MIKAEL	FIN 10425746						
14HO05354	MIKAN ALLAN WALLACE	USA 137168532						
7HO06523	MIKARY BESTOW GIVER-ET	USA 126322701						
7HO06325	MIKARY FORMATION GUS-ET	USA 122194533	C					
11HO05156	MIKARY GLADIATOR-ET	USA 17221878						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
73HO02905	MIKARY GOLD GLOVE-ET	USA 17221872						
11HO04664	MIKARY MANDEL GARRISON-ET	USA 2299545						
	MIKARY MATTIE G GERMAIN-ET	USA 50040822						
	MIKARY MATTIE G GUARD-ET	USA 123467106						
11HO04707	MIKARY RC MATT GARRETT-ET	USA 2299643						
	MIKEL-MC BELAIR PHILIP-ET	USA 143306610						
	MIKEL-MC EPIC PHELPS-ET	USA 141995094						
	MIKEL-MC EPIC POPEYE-ET	USA 141995067						
	MIKEL-MC EPIC PRINCE-ET	USA 141987389						
	MIKEL-MC EPIC PUMA-ET	USA 141997685						
	MIKEL-MC GAMBLER PAUL-ET	USA 143149190						
	MIKEL-MC GAMBLER PETER-ET	USA 143149181						
	MIKEL-MC GMBLR PROFESSOR-ET	USA 143149211						
	MIKEL-MC HALOGEN PARANORMAL	USA 143285296						
	MIKEL-MC KING BANDIT-ET	USA 143378255						
	MIKEL-MC KING PLAYMAKER-ET	USA 143206040						
	MIKEL-MC KING ST.PATRICK-ET	USA 143285335						
	MIKEL-MC KINGBOY PASCAL-ET	USA 143281340						
	MIKEL-MC KINGBOY POLAR-ET	USA 143206059						
	MIKEL-MC MINISTER PEYTON-ET	USA 141389761						
	MIKEL-MC MOGUL PIONEER-ET	USA 142132821						
	MIKEL-MC MOGUL PRATT-ET	USA 142132849						
	MIKEL-MC MONTROSS PROFIT	USA 143297624						
	MIKEL-MC RICHMAN PORTER	USA 141411567						
	MIKEL-MC UNO PALADINE-ET	USA 142269686						
	MIKEL-MC UNO PLATINUM-ET	USA 142269716						
	MIKEL-MC YODER POLO	USA 143535391						
	MIKENNY 1ST CLASS B112-ET	840003012666073						
	MIKENNY 1ST CLASS B113-ET	840003012666075						
	MIKENNY 1ST CLASS B114-ET	840003012666077						
	MIKENNY 1ST CLASS B115-ET	840003012666083						
	MIKENNY CHEVALIER 1184-ET	840003133191017						
	MIKENNY CHEVALIER 1186-ET	840003133191019						
	MIKENNY GUN 1153-ET	840003133190986						
	MIKENNY GUN 1155-ET	840003133190988						
	MIKENNY GUN 1156-ET	840003133190989						
	MIKENNY GUN 1157-ET	840003133190990						
	MIKENNY GUN 1161-ET	840003133190994						
	MIKENNY GUN 1162-ET	840003133190995						
	MIKENNY GUN 1163-ET	840003133190996						
	MIKENNY JETT AIR B109-ET	840003012666043						
	MIKENNY JETT AIR B110-ET	840003012666048						
	MIKENNY MOGUL CHUMLEE-ET	USA 56438288	C					
	MIKENNY MOGUL CHUMLY-ET	USA 56438292	C					
	MIKENNY NUMERO UNO B108-ET	840003012666040						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MIKENNY RODGERS B111	840003012666060						
29HO10378	MIKES FLY-HIGH ED ASNER	USA 60045375						
	MIKET PASSPORT-ET	CAN 5901995						
202HO00995	MIKKEL-ET	DEU 355681255						
11HO04338	MIKLIN LUKE GLENN-ET	USA 2260889						
202HO01616	MIKOLAI-ET	DEU 1404580553						
515HO00144	MIKOSCH-ET	GBR388380300210					C	
1HO06172	MIL-JOY BELLWOOD VIKING-ET	USA 17095615						
14HO02987	MIL-JOY MICA VINCENT	USA 17232614						
14HO03300	MIL-JOY WADE VIXEN-ET	USA 121883236						
7HO08951	MIL-LON SS ELAVATE-ET	USA 62549158						
9HO01498	MIL-NOR-II MARK BAILEY-ET	USA 2092458	C					
21HO00732	MIL-R-MOR GLENBOOT-ET	USA 1872962			C			
	MIL-R-MOR RENFREW-ET	USA 142723249						
7HO00256	MIL-R-MOR TRAILBLAZER	USA 1611284						
	MILAUKA MARIN-ET	CAN 6767957						
	MILBRO WINDBROOK MARSHALL	USA 72882228						3
	MILBROFAR TWIST 5394	USA 70694405					C	
	MILES-HILL AFTERSHOCK 7	USA 143487362						
44HO00196	MILEY AEROSTAR NB GUNTER-ET	USA 2182730						
	MILEY ALCHEMY P GRANT	USA 71819015						1
11HO10376	MILEY ALTAGRIFFEY-ET	USA 63284123						
7HO09883	MILEY ARTIC DUR GAMBLE-ET	USA 63284118						
7HO09147	MILEY CANYON DUR GRAHAM	USA 62626803						
11HO04618	MILEY COMMOTION GOODMAN	USA 2289420						
200HO02091	MILEY GAMBLE-ET	USA 62030139						
	MILEY GENERATE	USA 2240885						
71HO01487	MILEY GIANT-ET	USA 2267521						
73HO02769	MILEY GILBERT-ET	USA 2289419						
76HO00349	MILEY GLAMOR-ET	USA 121353708		C				
	MILEY GRADUATE-ET	USA 2189777						
73HO02906	MILEY GRAMMY-ET	USA 17279535						
	MILEY JACEY SUPER GUS-ET	USA 71819034						
7HO09055	MILEY LANCELOT GRAYSON-ET	USA 62030140						
14HO05969	MILEY MAC DUR GYRO-ET	USA 63284122						
	MILEY MAC DURHAM GOODEN-ET	USA 63284128						
	MILEY MASSEY MAVERICK-ET	USA 71819029						
14HO07411	MILEY MCCUTCHEN GRIFFIN	USA 71819018						
1HO03923	MILEY MERRILL BS GRANVILLE	USA 2289422						
9HO02262	MILEY MERRILL GLENDON-ET	USA 2282225						
1HO02269	MILEY ROMEO AERO GLEANER	USA 17210473						
1HO05649	MILEY WIN SPARK CRI-ET	USA 122987157						
	MILGENE COLT TREY-P-RED	USA 142196621						3
	MILGENE GOLD ALEX-PP-RED-ET	USA 143187516						
	MILGENE LADD TRIPLE DOZ-RED	USA 142236208						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MILGENE LADDP JUMPHER-RED	USA 142236187						
7HO09096	MILGENE SAM JEREMY-RED-ET	USA 136427470						
7HO10499	MILHURDTWO COLBY HONEST	USA 65558547		C				
	MILK&HONEY 45 MAGNUM-ET	USA 72795163						3
1HO05268	MILK&HONEY DARBOY TCG-ET	USA 17009318						
151HO05826	MILK&HONEY DESTROY MOSES-RED	USA 71277714						
7HO08820	MILK&HONEY DURHAM LUMBARDI	USA 62190824		C				
11HO00512	MILK&HONEY HELMSMAN-RED-ET	USA 120814299						
76HO00434	MILK&HONEY OUT ROXIE-ET	USA 60729895						
	MILK&HONEY S MALACHI-RED-ET	USA 72795186			C			
	MILK&HONEY SYM AVIATAR-RED	USA 72795185						
	MILK-E-WAY JAKE NATT	USA 141020736						
	MILK-E-WAY MAN OMAN COPE-ET	USA 141076849						
14HO05978	MILK-E-WAY NIFTY GARDNER-ET	840003004222410						
14HO05298	MILK-E-WAY POTTER SOLAR-ET	USA 62312056						
	MILKIN-TIME DOBERMAN DORTY	USA 70067949						
	MILKIN-TIME GARET GALEN-ET	USA 70067941						1
	MILKIN-TIME GARET GREG-ET	USA 70067939						1
	MILKIN-TIME MOGUL SKYLER	USA 72082097			C			
	MILKIN-TIME OAK OCKER	USA 72082101						
	MILKIN-TIME P PATRICK-ET	USA 139960970						1
	MILKIN-TIME P PEDRO-ET	USA 140083484						1
8HO02562	MILKLAND MARK ALLUDE-ET	USA 2088887						
200HO07907	MILKMEN OUTLOOK-ET	HUN 3316743171						
	MILKSOURCE ALEXANDER BIG-ET	USA 69082622						
	MILKSOURCE ALEXNDR BUTCH-ET	USA 69082644						
	MILKSOURCE ALXNR ROLAND-ET	USA 69082614						1
	MILKSOURCE DSTCTN SKYLER-ET	USA 73200903						
	MILKSOURCE DTY TALON-RED-ET	USA 71251905						
	MILKSOURCE MILLION BUCKS	USA 69592210		C				
	MILKSOURCE NU LAS VEGAS-ET	USA 72230097	C					
	MILKSOURCE NUMERO LANDON-ET	USA 72230096	C					
44HO00385	MILKSOURCE OBSERVER REX-ET	USA 69954114						
	MILKSOURCE RD TERRAN-RED-ET	USA 71251987		C				1
	MILKSOURCE SHAM BULLS-ET	USA 70721237						
	MILKSOURCE SHMRCK XANDER-ET	USA 71251909						1
	MILKSOURCE SUPER SIREN-ET	840003013177349						
	MILKSOURCE TAZ-RED-ET	USA 71251985						1
	MILKSOURCE TEX-RED-ET	USA 71251986						1
	MILKSOURCE THOR-RED-ET	USA 71251989						1
	MILKSOURCE THORN-RED-ET	USA 71251988		C				1
11HO04908	MILKWORTH BWOOD NOME-ET	USA 2301908						
1HO06614	MILKWORTH DEMAND AUSTIN	USA 125415600						
11HO03858	MILKWORTH MWOOD NORMAN-ET	USA 2204993			C			
7HO09150	MILL-STONE-ACRES DAN-RED-ET	USA 137146581						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MILL-STONE-ACRES RULER P-ET	USA 142776489						
	MILLBRED TITANIC HALFMOON-ET	ITA 34990173954						
11HO11206	MILLER-FF ALTAELLIOT-ET	USA 69916619						1
	MILLER-FF BOMB EGGO-ET	840003127031375						
	MILLER-FF BOMB ELECTRIC-ET	840003127031374						
	MILLER-FF BOMB ELK-ET	840003127031367					C	1
	MILLER-FF BOMB ELMO-ET	840003127031376						1
	MILLER-FF BOMB ELROY-ET	840003127031365						1
	MILLER-FF BOMB ELTON	840003127031366						
	MILLER-FF BOMB EXCEL-ET	840003124631940						
	MILLER-FF COLT EDGE-P	USA 70948526						1
	MILLER-FF ELUSIVE-ET	USA 72754335						
	MILLER-FF EMERALD-ET	USA 72754336					C	1
	MILLER-FF FLAME ENGULF-ET	840003124631932					C	
	MILLER-FF FLAME EVOLVE-ET	840003124631934					C	
	MILLER-FF FLAME EXPLODE-ET	840003124631929					C	
	MILLER-FF HAL ENROY-ET	840003124631920						1
	MILLER-FF HAL EXPRESS-ET	USA 72754334					C	
	MILLER-FF HALOGEN EDISON-ET	840003124631921						
	MILLER-FF HALOGEN EORE-ET	840003124631927					C	
	MILLER-FF HEAD EXCEDE-ET	USA 72186144						3
	MILLER-FF HEAD EXCEL-ET	USA 72186145						
250HO11869	MILLER-FF IOTA EDWIN-ET	USA 70948525						1
	MILLER-FF JABIR ENFORCER-ET	USA 72754330						
	MILLER-FF JMAN EDGAR-ET	USA 72754319						
	MILLER-FF JMAN EDIE-ET	USA 72754318			C		C	
	MILLER-FF JMAN EDWIN-ET	USA 72754320			C		C	
	MILLER-FF JMAN ELBERT-ET	USA 72754321			C			
	MILLER-FF JMAN EXCEL-ET	USA 72754322			C			1
	MILLER-FF LAT ELECTRIC-ET	USA 72186143					C	
7HO12348	MILLER-FF LAT ESCALADE-ET	USA 72186141						1
	MILLER-FF LAT EXCEL-ET	USA 72754325						2
	MILLER-FF LITHIUM EARL-ET	USA 72186131					C	
	MILLER-FF LITHIUM ELVIS-ET	USA 72186126						1
	MILLER-FF LITHIUM EVAN-ET	USA 72186130					C	
	MILLER-FF LITHIUM EXTACY-ET	USA 72186133					C	1
	MILLER-FF LITUM ESCALADE-ET	USA 72186132						
	MILLER-FF LOTO EVERCLEAR-ET	840003127031384						1
	MILLER-FF LOTTO ECHO-ET	840003127031385					C	1
	MILLER-FF MASC ED-ET	USA 72186146					C	
	MILLER-FF MASC EDOG-ET	USA 72186147						1
	MILLER-FF MASC ELI-ET	USA 72754314					C	
	MILLER-FF MG EASTON-ET	840003124631935					C	1
	MILLER-FF MG EDIE-ET	840003124631938					C	
	MILLER-FF MG EDWIN-ET	840003124631939					C	1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MILLER-FF MG ELLIS-ET	840003124631937						
	MILLER-FF MG ERIK-ET	840003124631936						1
	MILLER-FF MTROSS ESCORT	840003127031392					C	
	MILLER-FF OCT ELEMENT-ET	840003127031399						
	MILLER-FF OCTOBER EVADE-ET	840003127031405						1
	MILLER-FF OCTOBR EMBRACE-ET	840003127031408					C	
	MILLER-FF PLANET EAGLE-ET	USA 72754326						1
	MILLER-FF RAVISH EMERALD-ET	USA 69916617					C	1
	MILLER-FF RAVISH EORE-ET	USA 70948524						
	MILLER-FF SILVER EMAIL-ET	840003127031394						1
	MILLER-FF SILVER EXPRESS-ET	840003127031395					C	1
	MILLER-FF SS 115-ET	USA 142330528					C	1
	MILLER-FF SSIRE EARL-ET	USA 72186139						1
	MILLER-FF SSIRE ELVIS-ET	USA 72186136						
	MILLER-FF SSIRE ESCALDE-ET	USA 72186137					C	
	MILLER-FF WBROOK EAN-ET	USA 70948522					C	1
	MILLER-FF WBROOK EDGER-ET	USA 70948521					C	2
	MILLER-FF WBROOK ELWOOD-ET	USA 70948523					C	
8HO02615	MILLER-HOMESTEAD MATMAN	USA 2107081						
8HO02321	MILLERHURST WALKWAY CINAMARK	USA 2026687	C					
200HO04800	MILLION POLYKOW MILKLINE-ET	USA 131391536						
	MILLWORK MONTROSS BRUNO	840003131883239						
	MILLWORK SHAMROCK WES	USA 141804608						
	MILRICH DUNDEE-ET	USA 2115677						
40HO02119	MILU BETTY IVANHOE CHIEF	USA 1578139	C					
11HO08253	MIM001 MISCHIEF-ET	CAN 9452785						
	MINGLEWOOD RFECTER BULDOZER	USA 72479061						
	MINGLEWOOD SCRTS BUCK-ET	USA 139823145						
151HO40144	MINION-ET	GBR 661224					C	1
204HO00027	MINISTER	DEU 344997768						
	MINKOTA SHAMPOO PRINCE	USA 69302388						
	MINKOTA SHOTTLE DUKE	USA 66491409					C	
14HO05924	MINKOTA TOYSTORY DYNAMITE	USA 63133076						
14HO06033	MINN-DELL BAXTER MASSIVE-ET	USA 53668601		C				
	MINNIGAN-HILLS ALLANTA-ET	USA 72936605						1
11HO09358	MINNIGAN-HILLS ALTARIATA-ET	USA 61503881						
14HO07549	MINNIGAN-HILLS ATLANTIS-ET	USA 72936612						
	MINNIGAN-HILLS AV RAIDER-ET	USA 63786399						
	MINNIGAN-HILLS BIGTOWN-ET	USA 71873955						
	MINNIGAN-HILLS BOOYA-ET	840003130627981						
	MINNIGAN-HILLS BRIDGE-ET	USA 66280891						
	MINNIGAN-HILLS BUCK	USA 68691407		C				
	MINNIGAN-HILLS BUSCH-ET	USA 71873959						
	MINNIGAN-HILLS CHEDDER-ET	840003126531490						
	MINNIGAN-HILLS CHIP-ET	USA 72936591						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MINNIGAN-HILLS COKE-RED-ET	USA 64855707	C					3
	MINNIGAN-HILLS DALTON-ET	USA 72936628						1
1HO10458	MINNIGAN-HILLS DAY-ET	USA 69774730						
	MINNIGAN-HILLS DELRAY-ET	USA 71873958						
	MINNIGAN-HILLS DEW-RED-ET	USA 64855708		C				3
200HO10062	MINNIGAN-HILLS DISNEY-ET	USA 71873999						
	MINNIGAN-HILLS DUKE-RED-ET	USA 72936620						1
	MINNIGAN-HILLS ENERGIZER-ET	840003130628017						
	MINNIGAN-HILLS EPCOT-ET	USA 71873998						
	MINNIGAN-HILLS EYGPT-ET	USA 69774769						
	MINNIGAN-HILLS FIRE-RED-ET	USA 72936641						1
	MINNIGAN-HILLS FIREBALL-ET	840003126531467						
	MINNIGAN-HILLS GATOR-ET	USA 70725441					C	
	MINNIGAN-HILLS GRENADE-ET	840003126531466						
	MINNIGAN-HILLS HERO-ET	840003126531464						
	MINNIGAN-HILLS JAY-RED-ET	USA 72936632						1
	MINNIGAN-HILLS KIING-RED-ET	USA 71874001						3
200HO05426	MINNIGAN-HILLS MACKINTOSH	USA 61918950						1
	MINNIGAN-HILLS MARINO-ET	USA 71873950						
	MINNIGAN-HILLS MARLIN-ET	USA 72936616						
14HO07654	MINNIGAN-HILLS MR DALTON-ET	840003012011814						
	MINNIGAN-HILLS NOBLE-RED-ET	USA 72936631						
200HO05425	MINNIGAN-HILLS O BUSH-ET	USA 61918934						
	MINNIGAN-HILLS O-M ELVIS-ET	USA 69774767	C					
1HO10833	MINNIGAN-HILLS PARKR HUBCAB	USA 70725397						
7HO09257	MINNIGAN-HILLS PRESIDENT-ET	USA 62279761					C	
	MINNIGAN-HILLS RAFF-RED-ET	USA 63786380						
	MINNIGAN-HILLS RALLY-RED-ET	USA 71874017						
	MINNIGAN-HILLS REDDY-RED-ET	USA 71874014						1
7HO09982	MINNIGAN-HILLS REGAE-RED-ET	USA 63786392						
	MINNIGAN-HILLS RENO-RED	USA 68691448			C			
	MINNIGAN-HILLS ROLO-RED-ET	USA 71874011						1
	MINNIGAN-HILLS SEMINOLE-ET	USA 70725427						
	MINNIGAN-HILLS SURFSIDE-ET	USA 71873953			C			
	MINNIGAN-HILLS SWAGGER-ET	USA 72936617						
	MINNIGAN-HILLS SWEETY-ET	840003130628034	C				C	
	MINNIGAN-HILLS TATTOO-ET	840003126531488		C				
	MINNIGAN-HILLS TEBOW-ET	USA 71873948						
	MINNIGAN-HILLS WILLIS-ET	USA 72936635						1
	MINNIGAN-HILLS WILLY-ET	USA 72936638	C					1
	MINNIGAN-HILLS X-RAY-RED-ET	USA 71874023						1
	MINNIGAN-HILLS XBOX-ET	840003126531468						
	MINSU BRADNICK VAL-ET	USA 72901126						
	MINSU BROKAW BRENT-ET	USA 72289045						1
	MINSU GOLD CHIP LARGENT-ET	USA 72289089						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MINSU GOLD CHIP LARRY-ET	USA 72289086						
	MINSU GOLD CHIP LOCK-ET	USA 72289084						
	MINSU LAVANGUARD RAZ-ET	USA 72901378						1
14HO03322	MIRACLE-STAR TERY LOGAN-ET	USA 124509854						
	MIROIR JOY-TW	FRA 3596064609						
	MISH-RO SEMPER VIGILANCE-ET	USA 141630616						
	MISS HEADLINER 128-ET	USA 142496879						
	MISS PT 1 HERO 966	USA 72064200						
	MISS-BB BEACON JAMAL-ET	USA 70111389						
	MISS-BB BEACON JAMAR-ET	USA 70111407					C	
	MISS-BB BEACON JAMARI-ET	USA 70111408					C	
	MISS-BB JAMAICA TORAK J.T.	840003130808295						
	MISS-LONG-GREEN A CLYDE-ET	USA 69982803						
	MISS-LONG-GREEN AW CHEIF-ET	USA 69982801					C	
7HO10053	MISS-LONG-GREEN STRENGTH	USA 64884811	C					
	MISS-RIDGEVIEW CLASSY	USA 142897830						
1HO08958	MISS-RIDGEVIEW JACOB	USA 136550718						
1HO09007	MISS-SPRINGWALK KANE CRI-ET	USA 62030922						1
1HO09002	MISS-SPRINGWALK KIX CRI-ET	USA 62030860						1
	MISSION-BELL BAX DICKSON-ET	USA 139575136						
	MISSION-BELL BAXTER DALE-ET	USA 139231164						
	MISSION-BELL BAXTER DEAN-ET	USA 139231155			C			
7HO10307	MISSION-BELL BAXTER DION-ET	USA 139231173						
	MISSION-BELL BAXTER DOUG-ET	USA 139231182			C			
	MISSION-BELL BOLTON DEAL-ET	USA 139273780			C			
	MISSION-BELL DAMION DONOSTI	USA 139391400						
29HO13498	MISSION-BELL DONNELLY-TW	USA 137532380						
	MISSION-BELL GOLD DALTON-ET	USA 139925128						
	MISSION-BELL GOLD DAN-ET	USA 138737706						
1HO02508	MISSION-BELL GOLD DAVE-ET	USA 138737694						3
14HO05944	MISSION-BELL GOLD DEXTER-ET	840003004222400			C			
7HO09961	MISSION-BELL GOLD DIENER-ET	USA 138737742						
1HO09597	MISSION-BELL GOLD DIXON-ET	USA 138737715						3
	MIST-D-J-B ALTITUDE-ET	USA 2252995						
1HO06522	MISTE-HOLLOW BROCK LOOP-ET	USA 124441202						
29HO09484	MISTE-HOLLOW MARX-ET	USA 18058676						
14HO03346	MISTE-HOLLOW METRO LARRY-ET	USA 123939184						
29HO09788	MISTE-HOLLOW WARDEN-ET	USA 18014386						
29HO11272	MISTE-HOLLOW WARNER	USA 133212622						
29HO14695	MISTER ACTIVE MANTON-ET	USA 139963683					C	
	MISTER ALEX MAALIK	USA 140057245						
	MISTER ALEX MANU	USA 140057227						1
1HO08036	MISTER COMMISH	USA 17062163						
	MISTER JEEVAN-ET	USA 139815355						
	MISTER LANCELOT-RED-ET	USA 66050445		C				3

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO09418	MISTER MADAGASCAR	USA 134781271						
29HO13325	MISTER MAGNETISM-ET	USA 136761581						
	MISTER MAGREGOR	USA 132516938						
	MISTER MARIS-ET	USA 17207564						
1HO08853	MISTER MONTREAL-ET	USA 136387905						
	MISTER PLANET MADDOX-ET	USA 139963704						
7HO10651	MISTER SOCRATES MARIANO-ET	USA 139815319						
7HO06164	MISTER WADE MORTON-ET	USA 120661435						
7HO10376	MISTER ZENITH MYRON-TW	USA 139092945			C			
1HO08033	MISTER ZEPPLIN-ET	USA 17062161						
	MISTVALE BRAXTON MASON	USA 69562531						
	MISTVALE BUCKEYE MOSES-ET	USA 138514493	C					
200HO00478	MISTVALE ELECTRIFY-ET	USA 138010140						
7HO08264	MISTVALE EMPIRE-ET	USA 134520328						
7HO08803	MISTVALE EVEREST-ET	USA 136203278						
14HO04539	MISTVALE MAC-ET	USA 134520337						
	MISTVALE MARINER-ET	USA 121148968						
	MISTVALE MISKA-ET	USA 133241510	C					
200HO00099	MISTVALE PACE-ET	USA 121682992						
200HO02830	MISTY SPRINGS AMAK-ET	CAN 11179238			C			
200HO02221	MISTY SPRINGS BENJAMIN-RED-ET	CAN 7866444						1
200HO02987	MISTY SPRINGS BLACK SMOKE	CAN 11460887						
200HO02654	MISTY SPRINGS BRACKLEY-ET	CAN 11020414						
200HO02574	MISTY SPRINGS BRENDAN	CAN 9979594						
200HO02863	MISTY SPRINGS BRONN-ET	CAN 11352832						
200HO02322	MISTY SPRINGS BURMLEY-ET	CAN 8932487						1
200HO07423	MISTY SPRINGS HOMOGEN-ET	HUN 3250593225						
	MISTY SPRINGS HURON-ET	HUN 3250593270						
200HO02222	MISTY SPRINGS LIMELIGHT-ET	CAN 7866459						
200HO03476	MISTY SPRINGS LUNAR-ET	CAN 7433982						3
200HO09903	MISTY SPRINGS NUMBER ONE-ET	CAN 10929561						
	MISTY SPRINGS SAILOR-ET	CAN 9979601						
200HO03743	MISTY SPRINGS SANFORD-ET	CAN 9669689						
200HO10349	MISTY SPRINGS SCOTCH-ET	CAN 11990807						
200HO02695	MISTY SPRINGS SEAMAN-ET	CAN 11020435						
200HO02611	MISTY SPRINGS SEKA SARNIA-ET	CAN 9738014						
200HO02696	MISTY SPRINGS SHOCKWAVE-ET	CAN 11020433						
200HO10092	MISTY SPRINGS SILVER-ET	CAN 11613510						
200HO02217	MISTY SPRINGS SIRIUS-ET	CAN 7866458						
200HO02644	MISTY SPRINGS SMOKIN-ET	CAN 9979605						1
80HO06044	MISTY SPRINGS SMOOTHER-ET	CAN 9979611						1
250HO01096	MISTY SPRINGS SPECIFIC-ET	CAN 11460898						
200HO02699	MISTY SPRINGS SPEECH-ET	CAN 11113977						
80HO01118	MISTY SPRINGS SUCCESS-ET	CAN 11460877						
200HO03735	MISTY SPRINGS SUPERPOWER-ET	CAN 9669685						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO02698	MISTY SPRINGS SUPERSONIC-ET	CAN 11113974						
200HO02649	MISTY SPRINGS SUPPLY-ET	CAN 9980981					C	
200HO02653	MISTY SPRINGS TRIBUTE-ET	CAN 11020411						
200HO02024	MISTY SPRINGS VALENCE-ET	CAN 7639252						3
200HO06391	MISTY SPRINGS XAION-BELLE	CAN 106888992						
14HO02883	MISTY-CREST CAMDEL-ET	USA 2299129						
1HO03883	MISTY-CREST CAMDON-ET	USA 2287131						
7HO08336	MISTY-CREST COLBY-ET	USA 61476188						
29HO09582	MISTY-CREST MAJESTY	USA 17370898	C					
7HO06636	MISTY-CREST MIDDAY-ET	USA 127749822						
	MISTY-MOOR ABBOTT-ET	USA 71680367						
	MISTY-MOOR ALEVES-ET	USA 71680346						
	MISTY-MOOR ALLOY-ET	USA 69457246						
11HO11178	MISTY-MOOR ALTAHOTSPOT-ET	USA 141102425						
	MISTY-MOOR AMARRO-ET	USA 69457239						
	MISTY-MOOR AMOURIE-ET	USA 71680341						
	MISTY-MOOR ASSAIL-ET	USA 69457247						
99HO07660	MISTY-MOOR AXFORD-ET	USA 141465409						
	MISTY-MOOR BE DIFFERENT	USA 141155133						
	MISTY-MOOR BELUGA POGO	USA 73243191			C			
	MISTY-MOOR BOOK AMTRAK-ET	USA 141498458						
	MISTY-MOOR BRATBOY-ET	840003134181461						
	MISTY-MOOR BRNCO STETSON-ET	USA 141076894						
	MISTY-MOOR BRONCO SHADY-ET	USA 141076906			C			
	MISTY-MOOR BRONCO SPAM-ET	USA 141076885			C			
	MISTY-MOOR CHAVEZ P-RED-ET	USA 71680411						1
	MISTY-MOOR CM ALFONSO-ET	USA 71680372						
	MISTY-MOOR CM ALONZO-ET	USA 71680374						
	MISTY-MOOR CMRN ABREA-ET	USA 71680360						
	MISTY-MOOR CRSTL CHANDALIER	USA 140672574						
	MISTY-MOOR CUSTOM D H-ET	USA 141294193						
	MISTY-MOOR CUSTOM DONE-ET	USA 141225841						
	MISTY-MOOR D ALI-RED-ET	USA 73243244						
	MISTY-MOOR DBRMN ALMOST-ET	USA 69457255						
	MISTY-MOOR DRABEK-ET	USA 141225850						
	MISTY-MOOR GAMBLER	USA 141103828						
	MISTY-MOOR H AUGUST-ET	USA 71680363						
	MISTY-MOOR HAL DINGER-ET	USA 73243201						
	MISTY-MOOR HAL DWIGHT-ET	USA 73243203						
	MISTY-MOOR HERO AKON-ET	USA 71680365						
	MISTY-MOOR HILL-ACRES-ET	USA 69457238						
	MISTY-MOOR JIVES DASHER	USA 69457250						
	MISTY-MOOR JSUP AMIGO-ET	840003134181465						
	MISTY-MOOR LDW AFIRE CRI-ET	USA 70895080						
	MISTY-MOOR M A-ROD-ET	USA 140866748						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MISTY-MOOR M ASSOCIATION-ET	USA 140813898						
	MISTY-MOOR MAUI ASTRO-ET	USA 69457252						
	MISTY-MOOR MAUI ATONE-ET	USA 69457253						
	MISTY-MOOR MGL CARSON-ET	USA 71680396						
	MISTY-MOOR MOGL CAMRY-ET	USA 71680399						
	MISTY-MOOR MONTY PUGGLE	USA 73243237						
	MISTY-MOOR MONTY SOONER	USA 73243246						
	MISTY-MOOR N DUTCHIE-ET	USA 141108663						
	MISTY-MOOR OAK ARDENT	USA 73243153						
	MISTY-MOOR OAK BACHELOR-ET	USA 73243160						
	MISTY-MOOR OAK BOYKIN-ET	USA 73243158						
	MISTY-MOOR OAK BRANSON-ET	USA 73243159						
	MISTY-MOOR OAK PHIL-ET	USA 71680434						
	MISTY-MOOR OAK POTTER-ET	USA 73243151						
	MISTY-MOOR PALERMO STUTES	USA 69457219						
	MISTY-MOOR PETRONE PINA-ET	USA 71680386						
	MISTY-MOOR PETRONE PUDGY-ET	USA 71680389						
	MISTY-MOOR PTRN CHASE P-ET	USA 71680405						
	MISTY-MOOR PUNKSTER-ET	USA 73243214						
	MISTY-MOOR ROSS ZORO	USA 141115210			C			
	MISTY-MOOR SABATHIA-ET	USA 141547956						
	MISTY-MOOR SALOON FISTER	USA 71680420						
	MISTY-MOOR SANDAL-ET	USA 71680349						
	MISTY-MOOR SHTGLS PASTOR-ET	USA 71680424						
	MISTY-MOOR SLAM DUNK-ET	USA 141298302						
	MISTY-MOOR SNOW SLIDE-ET	USA 71680351			C			
	MISTY-MOOR SORIANO-ET	USA 71680336						
	MISTY-MOOR STUNNER-ET	USA 141155094						
	MISTY-MOOR SUPREME-ET	USA 71680344						
	MISTY-MOOR SYNCHRO-ET	USA 141102416						
	MISTY-MOOR TANGY ZAPHON	USA 73243179						
	MISTY-MOOR TRIGGER ACTION	USA 141155142						
	MISTY-MOOR WIN SLUGGER-ET	USA 141155115						
202HO00817	MITAR	NLD 719870530						1
	MITEY BOY P-RED	NLD 921269236						
29HO08729	MITHVA K-MANHATTAN-ET	USA 2240949						
71HO00680	MITY-FINE MODERATOR-ET	CAN 364847						
	MJ-RONNEBAUM BALS PRIDE 357	USA 73623824					C	
	MJ-RONNEBAUM CALICO SAM	USA 70708528					C	
7HO03948	MJR BLACKSTAR EMORY-ET	USA 2114601			C			
14HO02738	MJR MERRILL MAGIC	USA 2285868						
1HO04033	MJR MICHAEL MAGIC	USA 2119199						
29HO03769	MJR PISTOL PETE	USA 1804227						
	MK-VT CHAMP ELLATION-ET	840003129438643						1
	MK-VT CHMP 1784P-ET	840003125196734						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MKRAHN GW ATWOOD DRAGON-TW	USA 70300035						
14HO06922	MKRAHN NIAGRA DRAKE-ET	USA 70300032		C				
	MKRAHN NIAGRA ERIC-ET	USA 70300031						
	MKRAHN OBSERVER HOMEBOY-ET	USA 70300027						
	MKRAHN OBSERVER RODGERS-ET	USA 70300026						
	MKRAHN SHOT DUKE	USA 70300064						
14HO05402	MLEZ-CREST O-MAN BOOMER	USA 137067635			C			
14HO03356	MLK-M MAN BROCK AMMIE	USA 124472334						
	MM-T POCKETS BONFIRE-ET	USA 71976334						
	MM-T POCKETS GO LONG-RED-ET	USA 73659090		C				4
	MMH TRAK 663-RED	840003125464873						
263HO02980	MNTYLN RAKUUNA	FIN 92980						
28HO00485	MO-CAL AMOUR-ET	USA 2198347						
9HO01197	MOBILECREST ROTATE PIPER-ET	USA 1992389						
1HO05220	MODEL-I GIL TCG-RED-ET	USA 2282998						
9HO01101	MODIK VALIANT COUNT-ET	USA 1836126						
1HO04243	MOER-MILK FANTASY TCG-ET	USA 2157837	C					
23HO00611	MOER-MILK RC CHRIS-ET	USA 17033882						
29HO12658	MOET BALDRIC	GBR 634447						
7HO06001	MOET BELLMAN LORD LONIE-ET	USA 17297700						
1HO06255	MOET BELLMAN PATORN WILO-ET	USA 17269045						
29HO12340	MOET BRINSTAR SIRIUS-ET	GBR 616218						
29HO12373	MOET BRINSTAR SOLO	GBR 617069						
1HO06324	MOET CLEA LONNY-ET	USA 17297704						
11HO04755	MOET EXCELGEN DRAMA-ET	USA 17075905						
	MOET EXCELGEN DREW-ET	USA 17075903						
29HO12044	MOET LOOKOUT-ET	GBR 587438						
29HO12103	MOET MELODY-ET	GBR 592839						
29HO10462	MOET NANSEN-ET	GBR 604614						
29HO10202	MOET NEWTON-ET	GBR 598501						
29HO12238	MOET PAVANE-ET	GBR 606522						
29HO12298	MOET RESULT-ET	GBR 613862						
29HO12360	MOET SKAVLAN	GBR 614681						
222HO00309	MOHOEVE TRADEMARK-RED	NLD 126157965						
14HO02941	MOHRFIELD ACCELERATION-ET	USA 17097346						
200HO01601	MOHRFIELD ALF-RED-ET	USA 131758812						
	MOHRFIELD BROCK MARVEL-ET	USA 125107868						
7HO06155	MOHRFIELD FORM TRADEMARK-ET	USA 120547278						
7HO07188	MOHRFIELD RBN ALTER-RED-ET	USA 60436830						
	MOHRVIEW HANDSOME HANK	USA 70922816						
	MOL-KEE TYLER	USA 139724802						
151HO40106	MOLENKAMP BROWN P	NLD 870146066						3
202HO00807	MOLENKAMP HYVES-ET	NLD 569744852						3
515HO00128	MOLENKAMP XAVI	NLD 539346589				C		
	MONANFRAN REMINGTON-RED-ET	USA 70017241						3

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MONANFRAN SC RADICAL-RED-ET	USA 70017238		C				
	MONANFRAN SEC DELUXE-RED-ET	USA 70017243		C				4
	MONANFRAN SEC RAMBO-RED-ET	USA 70017240						3
	MONANFRAN SEC RANSOM-RED-ET	USA 70017239						3
	MONANFRAN SEC RHETT-RED-ET	USA 70017242		C				3
	MONANFRAN-JS LEVI LUCAS-ET	USA 71070187			C			
	MONANFRAN-JS LEVI STRAUS-ET	USA 71070186						
	MONANFRAN-JS OBS LYNDON-ET	USA 71070133						
	MONANFRAN-JS SHAM LENNY-ET	USA 71070161						
	MONANFRAN-JS SHAM LEVI-ET	USA 71070163						
	MONANFRAN-JS SHAM LUCK-ET	USA 71070150						
555HO00120	MONANFRAN-JS SHAM LUST-ET	USA 71070160						
	MONANFRAN-JS TR LONGSHOT-ET	USA 69085216						
1HO10289	MONANFRAN-JS TRP LEOPOLD-ET	USA 69085215						
200HO07622	MONDIAL JEREMIAS-ET	ITA 19990807889						
	MONOAK MOONBEAM	CAN 5498393						
	MONOAK SOPRANO-ET	CAN 5508273						
202HO00775	MONREAL-ET	DEU 1501192456						
200HO05335	MONRILAC SERPENTIN-ET	CAN 102386200						
200HO07158	MONTAVA-ET	CZE 648140061						3
28HO00645	MONTHURST LEGACY-ET	USA 2270974						
100HO10963	MONUMENT BAXTER BOWEN-ET	USA 64996007						1
	MONUMENT BEACON BLAZIN	USA 71536667					C	
	MONUMENT BOASTFUL PATCHES	840003132452893	C					
	MONUMENT BOXER POPSTAR	USA 70409866	C					
100HO10964	MONUMENT BUCKEYE PORTER-ET	USA 64606357						
	MONUMENT COLBY CAIRO-ET	USA 66382654		C				
14HO06162	MONUMENT COLBY CARINGTON-ET	USA 66382652		C				
	MONUMENT COLBY CHARM-ET	USA 66382651						
1HO02859	MONUMENT COLBY COSMOS-ET	USA 66382647		C				
	MONUMENT DEFEND JACKSON-ET	USA 74320488						
	MONUMENT DEFEND JUPITER-ET	USA 74320492						
	MONUMENT DEFENDER BRAXTON	USA 74320476						
	MONUMENT DEFENDER JACOBY-ET	USA 74320485						
	MONUMENT DOBERMAN CHARGER	USA 71709700						
14HO07221	MONUMENT EPIC ELITE-ET	USA 71894816						
	MONUMENT EPIC EMPIRE-ET	USA 71894815						
	MONUMENT EPIC SPENCE-ET	USA 73509272						
	MONUMENT IMPRESSION CAPITAL	USA 73848572						1
	MONUMENT IMPRESSION VIXEN	USA 73848580						
200HO00560	MONUMENT IMPRESSION-ET	USA 66382657						
7HO08521	MONUMENT JOHNNY-ET	USA 50559870						
	MONUMENT KAYDAN-ET	USA 66382696					C	
200HO09448	MONUMENT KENETH-ET	USA 62229995						
	MONUMENT KINGBOY JULIUS-ET	840003130392886						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
1HO08034	MONUMENT LABELLE DORAN-ET	USA 17077338						
1HO08035	MONUMENT LABELLE DUKE-ET	USA 17077332						
	MONUMENT LARGE LARADO-ET	USA 72103068						
	MONUMENT LARGE LEADER-ET	USA 72103066						
	MONUMENT LARGE LINEBAKER-ET	USA 72103069						
	MONUMENT LARGE LOGAN-ET	USA 72103073						
	MONUMENT LEADEM-ET	USA 73509283						
	MONUMENT LINGO CAM	USA 73848590						
	MONUMENT MAIN ADDITION-ET	USA 75339870						
	MONUMENT MAIN ATTRACTION-ET	USA 75339867						
	MONUMENT MAIN BALLER-ET	USA 75339865						
	MONUMENT MAIN BANJO-ET	USA 75339859						
	MONUMENT MAIN BULLET-ET	USA 75339841						
	MONUMENT MARENGO CRI-ET	USA 65801545						
	MONUMENT MCCUTCHEN MYSTERY	USA 73848592						
	MONUMENT MISHICOT CRI-ET	USA 65801546						
	MONUMENT MOGUL STUNNING	USA 72388198						
	MONUMENT MONTER PROFESS-ET	840003132452873	C					
	MONUMENT MONTEREY POET-ET	840003132452876						
	MONUMENT MONTEREY POMPAS-ET	840003132452875	C					
	MONUMENT MONTROSS JUMPER	840003130392877						
	MONUMENT NUMERO UNO JOCK-ET	USA 73076297						
	MONUMENT PREDES CASSIDY-ET	USA 73848570						
	MONUMENT PREDES CLOVER-ET	USA 74320484						
	MONUMENT PREDES COHEN-ET	USA 73848567						
	MONUMENT PREDESTINE CASH-ET	USA 74320457						
	MONUMENT PRESTIGE	USA 69550704		C				
	MONUMENT RACER PHANTOM-ET	840003130392876						
14HO06804	MONUMENT RUSSELL BLAKE	USA 70098615						
	MONUMENT RUSSELL JUSTICE	USA 70098617						
	MONUMENT SHAMR BRIGHTON-ET	USA 71709706						
	MONUMENT SHAMROCK BLAST-ET	USA 71736781						
	MONUMENT SHAMROCK BLAZE-ET	USA 71709704		C				
	MONUMENT SHAN BOSTON	USA 73076300						
	MONUMENT SHAN DART-TW	USA 73509274						
	MONUMENT SHAN DASHELLE-TW	USA 73509273						
	MONUMENT SILVER BEAU-ET	840003132452906						
	MONUMENT SILVER BULLET-ET	840003132452924						
	MONUMENT SOCRATES JERICO-ET	USA 66382661						
	MONUMENT SPEAR JOURNEY-ET	USA 69550703		C			C	
1HO10466	MONUMENT SPEARMT SPARTEN-ET	USA 70098604					C	
	MONUMENT SPEARMT SPENCER-ET	USA 70098605		C				
	MONUMENT SUDAN STELLER-ET	USA 72388202						
	MONUMENT SUPERSIRE BLESSING	USA 73848584						
200HO00550	MONUMENT TRELY-ET	USA 65765012						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MONUMENT UNO JEROME-ET	USA 73076299						
	MONUMENT YODER BLISS-ET	840003132452925						
	MONUMENT YODER BOOKER-ET	840003132452928						
	MONUMENT YODER BURLEY-ET	840003132452927						
1HO03966	MONUMENTVIEW-K BATTLE-ET	USA 2302175						
1HO06423	MONUMENTVIEW-K M LUMAC	USA 120559491						
1HO06333	MOO-JUICE CHRISTOPHER-ET	USA 121230887	C					
	MOO-MAPLE PHOENIX CHAMP	USA 72585100						3
	MOODY-MEADOWS ABNER-RED	USA 73978754						
14HO02686	MOODY-MEADOWS EARL-ET	USA 2277667						
	MOODY-MEADOWS LBOY NIFTY-ET	USA 62781858						
1HO09195	MOODY-MEADOWS LOUIS-ET	USA 62781794						
1HO09257	MOODY-MEADOWS MATT-ET	USA 62781800						
29HO13406	MOODY-MEADOWS MILWAUKEE-ET	USA 61832055						1
	MOODY-MEADOWS MITEY MITCH P	USA 69529416						
	MOODY-MEADOWS NATE-ET	USA 62781866						
7HO10329	MOODY-MEADOWS NILE-ET	USA 62781868						
	MOODY-MEADOWS READY-RED	USA 62781861						1
7HO09374	MOODY-MEADOWS ROCKET-RED-ET	USA 62781795						1
11HO04594	MOODY-MEADOWS SLCM CODY-ET	USA 2289254						
8HO00922	MOODYS PAT TROY	USA 1721333						
11HO10061	MOON-LINE ALTACARLO-ET	USA 137966514						1
11HO10209	MOON-LINE ALTA CLARET-ET	USA 138531261						
14HO05006	MOON-LINE CEDRIC	USA 135649172			C			1
14HO05741	MOON-LINE CHIPPENDALE-ET	USA 137966532						
1HO09598	MOON-LINE COMANCHE-ET	USA 138531355						1
	MOON-LINE COMPATRIOT-ET	USA 138531364						
200HO09812	MOON-LINE CRANKY-ET	USA 135210448						
14HO05126	MOON-LINE FONDY-ET	USA 136140331						
8HO00565	MOON-VALLEY BELLRINGER-ET	USA 1900620						
	MOONDALE PATS PRIUS-ET	USA 53578453						
	MOONLIT-HILL DENVR POWER-ET	840003127924898						
	MOONLIT-HILL KBOY PRINCE-ET	840003127924871						
	MOONLIT-HILL OAK PRESTO-ET	USA 69987870						
	MOONLIT-HILL PD PRESTIGE-ET	USA 69987872						
	MOONLIT-HILL PRD PREMIUM-ET	USA 69987873						3
508HO01011	MOONSTARS STORMATIC ROXSTAR	USA 138614616		C				
	MOORCLOSE ANAHEIM A-ROD-RED	USA 143306339						
	MOORSTEAD ATTITUDE-ET	USA 72160682						
	MOORSTEAD AUDIBLE-ET	USA 72160683						
	MOOSEHEART PIONEER	USA 1292880						
1HO02260	MOOVILLE BARON-ET	USA 17217933	C					
9HO02352	MOOVILLE ROGER-ET	USA 17033067						
	MOR-YET FAMOUS-RED-ET	USA 72458823						
200HO04050	MORATEL MASTER	CAN 6737542	C					

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MOREDA-LAGUNA IOTA 565-ET	USA 141942863						
	MOREDA-LAGUNA RANSOM 576	USA 142521472						
	MOREDA-LAGUNA RANSOM 577	USA 142521481						
100HO10939	MOREDA-LAGUNA TYSTRY 519-ET	USA 138472029	C					
218HO00102	MORENGHI LEE TGV T22	ITA 20500241935						
200HO03446	MOREVIEW CHARA-ET	CAN 7493062						
	MORGANCREST TOYSTORY MOE	USA 138708247			C			
	MORMANN AQUA REFL 15209	840003012575056						
	MORMANN CALIDA 67468-ET	840003123611257						
	MORMANN CALIDA DEL 31492-ET	840003126775497						
	MORMANN CALIDA KB 31049-ET	840003126775054						
151HO03259	MORMANN DELTA-TAU 31053-ET	840003126775058						
151HO03245	MORMANN DENVER TEX 54745-ET	840003010353492						
	MORMANN DOORMAN 31067	840003126775072						
	MORMANN DRACO 31555-ET	840003126775560						1
	MORMANN DRACO 54987-ET	840003010353734						1
	MORMANN FAUNA-ET	USA 72128186						
	MORMANN GALAXY 8039-ET	USA 72436586						
200HO03992	MORMANN GALOP-ET	USA 72128097			C			
	MORMANN GUITAR-ET	USA 72128094			C			
	MORMANN LAVISH FLM 54355-ET	840003010353102						
	MORMANN LAVISH REF 54419-ET	840003010353166						
	MORMANN LIGHTSOUT 18162-ET	840003123885908		C				
	MORMANN LIVANA 31648-ET	840003126775653						
	MORMANN LIVANA 67466-ET	840003123611255						
	MORMANN LIVANA MG 31599-ET	840003126775604						
	MORMANN LIVANNA DR 67472-ET	840003123611261						
	MORMANN LIVANNA DV54846-ET	840003010353593					C	
	MORMANN LOGAN LG LEADMAN-ET	USA 73191102					C	
	MORMANN LOGAN MCCUT 61	USA 72107091					C	
	MORMANN LOGANS LG LAWMAN-ET	USA 73191079					C	
	MORMANN LOVELY MON 54509-ET	840003010353256						
	MORMANN LOVELY RUB 54347-ET	840003010353094					C	
	MORMANN LOVSHK 54576-ET	840003010353323						
	MORMANN LVSHACK ROD54306-ET	840003010353053						
	MORMANN MAYFIELD 1306-ET	USA 72128095						
	MORMANN MEGA LOVE 15203-ET	840003012575050						
151HO03302	MORMANN MEGA-TAP 54858-ET	840003010353605						
151HO03249	MORMANN MEGA-TONE 54870-ET	840003010353617						
203HO01462	MORMANN MOGUL JUNO 1396-ET	USA 72128185						
	MORMANN MR ACTION 6-ET	USA 72107036						
	MORMANN MR ARTWAY 11-ET	USA 72107041						
	MORMANN MR ARTWORK-ET	USA 72107042						
29HO17523	MORMANN MR BULLPEN-ET	USA 72107044						
	MORMANN MR COMET 7-ET	USA 72107037						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO12283	MORMANN MR GEM 13-ET	USA 72107043						
	MORMANN MR GRANT 20-ET	USA 72107050						
	MORMANN MR TAGGERT	USA 72107058						
	MORMANN MR THISTLE 10-ET	USA 72107040						
	MORMANN O COSMO 1349-ET	USA 72128138						
	MORMANN RUB 54554-ET	840003010353301						
	MORMANN RUBIC 54569-ET	840003010353316						
	MORMANN RUBICON 54557-ET	840003010353304						
203HO03294	MORMANN RUBICON 54593-ET	840003010353340						
	MORMANN SHACK MEGA 77-ET	USA 72107107						
200HO10001	MORMANN SIGNATURE-ET	USA 71494706			C			
	MORMANN TABI DELTA 67433-ET	840003123611222						
	MORMANN TABI REFL 54360-ET	840003010353107						
	MORMANN TABI REFL 54404-ET	840003010353151						
	MORMANN TABINE MEG 54863-ET	840003010353610						
	MORMANN TABINE MEG 54893-ET	840003010353640						
	MORMANN TABINE MEG 54911-ET	840003010353658						
	MORMANN TAFFY DELT 15244-ET	840003012575091						1
	MORMANN TALSA HALO 57-ET	USA 72107087						
	MORMANN TALSA HALO 59-ET	USA 72107089						
	MORMANN TARGET DEL 31211-ET	840003126775216						
	MORMANN TATUM 31461-ET	840003126775466						
	MORMANN TATUM JOSU 71153-ET	840003123614942						
	MORMANN TATUM KB 54810-ET	840003010353557						
	MORMANN TATUM MEGA 54895-ET	840003010353642						
	MORMANN TAUM MEGA 54855-ET	840003010353602						
	MORMANN TAYLOR 31241-ET	840003126775246						
	MORMANN TAYLOR LIN 71020-ET	840003123614809			C			
	MORMANN TAYLOR RUB 54704-ET	840003010353451						
	MORMANN TEBBI RUB 15211-ET	840003012575058						
	MORMANN TIMELY 31644-ET	840003126775669						
	MORMANN TIMELY 31733-ET	840003126775738						
	MORMANN TLC JACEY 15206-ET	840003012575053						
	MORMANN TLC RUB 54687-ET	840003010353434						
	MORMANN TREAT 54334-ET	840003010353081						
	MORMANN TRIXY MT 54523-ET	840003010353270						
	MORMANN TRIXY RUB 54522-ET	840003010353269						
	MORMANN TWIST TUFF 31207-ET	840003126775212						
	MORMANN UNO 1329-ET	USA 72128118						
	MORMANN UNO 1339-ET	USA 72128128						
	MORMANN UNO 1355-ET	USA 72128144						
	MORMANN UNO 1356-ET	USA 72128145						
29HO17515	MORMANN VALIDITY-ET	USA 71494705			C			
200HO02157	MORNINGIEW-MT-I LAURENTIDE-ET	CAN 7528908						
	MORNINGVIEW 3212-ET	USA 73956636						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 3424-ET	USA 73956637						
	MORNINGVIEW 492-ET	840003130641809						
	MORNINGVIEW 508-ET	840003130641984						
	MORNINGVIEW 516-RED-ET	840003130642008						
	MORNINGVIEW 5252-ET	USA 69791460					C	
	MORNINGVIEW 5259	USA 69791467						
	MORNINGVIEW 5260-ET	USA 69791468						
	MORNINGVIEW 5261-ET	USA 69791469						
	MORNINGVIEW 5262	USA 69791470						
	MORNINGVIEW 5263-RED-ET	USA 69791471						
	MORNINGVIEW 5264-ET	USA 69791472						
	MORNINGVIEW 5267-RED-ET	USA 69791475						
	MORNINGVIEW 5268-RED-ET	USA 69791476						1
	MORNINGVIEW 5270-ET	USA 69791478						
	MORNINGVIEW 5271-ET	USA 69791479			C		C	
	MORNINGVIEW 5272-ET	USA 69791480						
	MORNINGVIEW 5274-ET	USA 69791482					C	
	MORNINGVIEW 5276-ET	USA 69791484					C	
	MORNINGVIEW 5277-ET	USA 69791485						
	MORNINGVIEW 5278-TW	USA 69791486						1
	MORNINGVIEW 5279-ET	USA 69791487						1
	MORNINGVIEW 5280-ET	USA 69791488						
	MORNINGVIEW 5281-ET	USA 69791489						1
	MORNINGVIEW 5286-ET	USA 69791494						
	MORNINGVIEW 5287-ET	USA 69791495						
	MORNINGVIEW 5288-ET	USA 69791496						
	MORNINGVIEW 5289-ET	USA 69791497						
	MORNINGVIEW 5290-ET	USA 69791498						
	MORNINGVIEW 5291-ET	USA 69791499						
	MORNINGVIEW 5293-ET	USA 69791501						
	MORNINGVIEW 5295-ET	USA 69791503						
	MORNINGVIEW 5296-ET	USA 69791504						3
	MORNINGVIEW 5297-ET	USA 69791505						
	MORNINGVIEW 5298	USA 69791506						1
	MORNINGVIEW 5299-ET	USA 69791507						
	MORNINGVIEW 5300-ET	USA 69791508						
	MORNINGVIEW 5302-ET	USA 69791510						
	MORNINGVIEW 5304-ET	USA 69791512						
	MORNINGVIEW 5306-ET	USA 69791514						
	MORNINGVIEW 5307-ET	USA 69791515						
	MORNINGVIEW 5308-ET	USA 69791516						
	MORNINGVIEW 5309-ET	USA 69791517						
	MORNINGVIEW 5317-ET	USA 69791525						1
	MORNINGVIEW 5319-ET	USA 69791527						
	MORNINGVIEW 5321-ET	USA 69791529						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 5322-ET	USA 69791530						
	MORNINGVIEW 5323-ET	USA 69791531						
	MORNINGVIEW 5324-ET	USA 69791532						
	MORNINGVIEW 5325-ET	USA 69791533						
	MORNINGVIEW 5327	USA 69791535		C				
	MORNINGVIEW 5328-ET	USA 69791536						
	MORNINGVIEW 5341-ET	USA 69791549						
	MORNINGVIEW 5342-ET	USA 69791550		C				
	MORNINGVIEW 5343-ET	USA 69791551		C				
	MORNINGVIEW 5344-ET	USA 69791552		C				
	MORNINGVIEW 5345-ET	USA 69791553		C				
	MORNINGVIEW 5346-ET	USA 69791554						
	MORNINGVIEW 5349-ET	USA 69791557						
	MORNINGVIEW 5350-ET	USA 69791558						3
	MORNINGVIEW 5351	USA 69791559						
	MORNINGVIEW 5355-ET	USA 69791563						
	MORNINGVIEW 5356-ET	USA 69791564						
	MORNINGVIEW 5357-ET	USA 69791565						
	MORNINGVIEW 5358-ET	USA 69791566						
	MORNINGVIEW 5360-ET	USA 69791568		C				
	MORNINGVIEW 5365-TW	USA 69791573						
	MORNINGVIEW 5366-ET	USA 69791574						
	MORNINGVIEW 5367-RED-ET	USA 69791575						
	MORNINGVIEW 5369-ET	USA 69791577						
	MORNINGVIEW 5373-ET	USA 69791581			C			
	MORNINGVIEW 5378-ET	USA 69791586						
	MORNINGVIEW 5379-ET	USA 69791587						
	MORNINGVIEW 5381-RED-ET	USA 69791589						
	MORNINGVIEW 5382-ET	USA 69791590						
	MORNINGVIEW 5388-ET	USA 69791596						
	MORNINGVIEW 5389-ET	USA 69791597			C			
	MORNINGVIEW 5392-ET	USA 69791600						
	MORNINGVIEW 5393-ET	USA 69791601						
	MORNINGVIEW 5395-ET	USA 69791603					C	
	MORNINGVIEW 5396	USA 69791604						
	MORNINGVIEW 5397-ET	USA 69791605						
	MORNINGVIEW 5399-ET	USA 69791607						
	MORNINGVIEW 5410-ET	USA 69791618						
	MORNINGVIEW 5411-ET	USA 69791619	C				C	3
	MORNINGVIEW 5412-ET	USA 69791620					C	
	MORNINGVIEW 5413-ET	USA 69791621						
	MORNINGVIEW 5418	USA 69791626					C	
	MORNINGVIEW 5420-ET	USA 69791628					C	
	MORNINGVIEW 5422-ET	USA 69791630						
	MORNINGVIEW 5429-ET	USA 69791637						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 5440-ET	USA 69791648						
	MORNINGVIEW 5442	USA 69791650					C	
	MORNINGVIEW 5443	USA 69791651						
	MORNINGVIEW 5445	USA 69791653						
	MORNINGVIEW 5449	USA 69791657						
	MORNINGVIEW 5451-ET	USA 72044078						3
	MORNINGVIEW 5453	USA 72044080						
	MORNINGVIEW 5455-ET	USA 72044082						
	MORNINGVIEW 5456-ET	USA 72044083						
	MORNINGVIEW 5459	USA 72044086						
	MORNINGVIEW 546-RED-ET	840003130641882						
	MORNINGVIEW 5460-ET	USA 72044087						
	MORNINGVIEW 5461	USA 72044088						
	MORNINGVIEW 5462	USA 72044089						3
	MORNINGVIEW 5463-ET	USA 72044090						
	MORNINGVIEW 5464	USA 72044091			C			
	MORNINGVIEW 5465-ET	USA 72044092						
	MORNINGVIEW 5466-ET	USA 72044093						
	MORNINGVIEW 5468-ET	USA 72044095					C	
	MORNINGVIEW 5469-ET	USA 72044096						
	MORNINGVIEW 5476-ET	USA 72044103						
	MORNINGVIEW 5479-ET	USA 72044106						3
	MORNINGVIEW 5481-ET	USA 72044108						
	MORNINGVIEW 5482-ET	USA 72044109						
	MORNINGVIEW 5483	USA 72044110						1
	MORNINGVIEW 5484-ET	USA 72044111						
	MORNINGVIEW 5488-ET	USA 72044115						
	MORNINGVIEW 5489-ET	USA 72044116						
	MORNINGVIEW 5490-ET	USA 72044117						3
	MORNINGVIEW 5492-ET	USA 72044119			C			
	MORNINGVIEW 5494-ET	USA 72044121						
	MORNINGVIEW 5497	USA 72044124			C			
	MORNINGVIEW 5499-ET	USA 72044126						3
	MORNINGVIEW 5510	USA 72044137			C			
	MORNINGVIEW 5512	USA 72044139						
	MORNINGVIEW 5518-ET	USA 72044145						
	MORNINGVIEW 5519-ET	USA 72044146					C	
	MORNINGVIEW 5521	USA 72044148						
	MORNINGVIEW 5522-ET	USA 72044149	C					
	MORNINGVIEW 5523	USA 72044150						
	MORNINGVIEW 5526-ET	USA 72044153			C		C	
	MORNINGVIEW 5527-ET	USA 72044154						
	MORNINGVIEW 5528-ET	USA 72044155						
	MORNINGVIEW 5529	USA 72044156			C			
	MORNINGVIEW 5530-ET	USA 72044157						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 5536-ET	USA 72044163						
	MORNINGVIEW 5537-ET	USA 72044164						
	MORNINGVIEW 5560-ET	USA 72044187						
	MORNINGVIEW 5562-ET	USA 72044189						
	MORNINGVIEW 5564-ET	USA 72044191					C	
	MORNINGVIEW 5565-ET	USA 72044192						
	MORNINGVIEW 5566-ET	USA 72044193						
	MORNINGVIEW 5568-ET	USA 72044195						
	MORNINGVIEW 5569	USA 72044196						
	MORNINGVIEW 5570-ET	USA 72044197					C	
	MORNINGVIEW 5572-ET	USA 72044199						
	MORNINGVIEW 5573	USA 72044200						
	MORNINGVIEW 5574	USA 72044201						
	MORNINGVIEW 5578-ET	USA 72044205						
	MORNINGVIEW 5581-ET	USA 72044208						
	MORNINGVIEW 5583-ET	USA 72044210					C	
	MORNINGVIEW 5585-ET	USA 72044212						
	MORNINGVIEW 5586-ET	USA 72044213						
	MORNINGVIEW 5588-ET	USA 72044215						
	MORNINGVIEW 5589-ET	USA 72044216						
	MORNINGVIEW 5590-ET	USA 72044217						
	MORNINGVIEW 5592	USA 72044219						
	MORNINGVIEW 5593-ET	USA 72044220			C		C	
	MORNINGVIEW 5596-ET	USA 72044223			C			
	MORNINGVIEW 5598-ET	USA 72044225						
	MORNINGVIEW 5601-ET	USA 72044228						
	MORNINGVIEW 5602-ET	USA 72044229						
	MORNINGVIEW 5603-ET	USA 72044230						
	MORNINGVIEW 5604-ET	USA 72044231						
	MORNINGVIEW 5606-ET	USA 72044233						3
	MORNINGVIEW 5607-ET	USA 72044234						
	MORNINGVIEW 5611-ET	USA 72044238			C			
	MORNINGVIEW 5612-ET	USA 72044239						
	MORNINGVIEW 5613-ET	USA 72044240						
	MORNINGVIEW 5615	USA 72044242						
	MORNINGVIEW 5617	USA 72044244						
	MORNINGVIEW 5618-ET	USA 72044245						
	MORNINGVIEW 5619-ET	USA 72044246						
	MORNINGVIEW 5620-ET	USA 72044247						
	MORNINGVIEW 5621-ET	USA 72044248						
	MORNINGVIEW 5622-ET	USA 72044249						
	MORNINGVIEW 5625-ET	USA 72044252						
	MORNINGVIEW 5626-ET	USA 72044253						3
	MORNINGVIEW 5627-ET	USA 72044254						
	MORNINGVIEW 5628-ET	USA 72044255						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 5630-ET	USA 72044257						
	MORNINGVIEW 5631-ET	USA 72044258						
	MORNINGVIEW 5633-ET	USA 72044260						
	MORNINGVIEW 5634-ET	USA 72044261						
	MORNINGVIEW 5635-ET	USA 72044262						
	MORNINGVIEW 5637-ET	USA 72044264						
	MORNINGVIEW 5638-ET	USA 72044265		C				
	MORNINGVIEW 5640-ET	USA 72044267						
	MORNINGVIEW 5643-ET	USA 72044270						
	MORNINGVIEW 5644-ET	USA 72044271						
	MORNINGVIEW 5645-ET	USA 72044272		C				
	MORNINGVIEW 5647-ET	USA 72044274						
	MORNINGVIEW 5649-ET	USA 72044276						
	MORNINGVIEW 5650-ET	USA 73956533						
	MORNINGVIEW 5651-ET	USA 73956534						
	MORNINGVIEW 5652-RED	USA 73956535						
	MORNINGVIEW 5655-ET	USA 73956538						
	MORNINGVIEW 5658-ET	USA 73956541						1
	MORNINGVIEW 5659-RED-ET	USA 73956542						1
	MORNINGVIEW 5660-ET	USA 73956543						
	MORNINGVIEW 5661	USA 73956544						
	MORNINGVIEW 5664-ET	USA 73956547						
	MORNINGVIEW 5665-ET	USA 73956548						
	MORNINGVIEW 5669-ET	USA 73956552						
	MORNINGVIEW 5670	USA 73956553						1
	MORNINGVIEW 5671	USA 73956554						
	MORNINGVIEW 5673-ET	USA 73956556						
	MORNINGVIEW 5674-ET	USA 73956557						
	MORNINGVIEW 5675-ET	USA 73956558						
	MORNINGVIEW 5677-ET	USA 73956560			C			
	MORNINGVIEW 5678	USA 73956561						
	MORNINGVIEW 5679-ET	USA 73956562						
	MORNINGVIEW 5680-ET	USA 73956563						
	MORNINGVIEW 5681-ET	USA 73956564						
	MORNINGVIEW 5684-ET	USA 73956567						
	MORNINGVIEW 5685-ET	USA 73956568						
	MORNINGVIEW 5688-ET	USA 73956571						
	MORNINGVIEW 5689-ET	USA 73956572						
	MORNINGVIEW 5690-ET	USA 73956573						
	MORNINGVIEW 5691-ET	USA 73956574						
	MORNINGVIEW 5692	USA 73956575						
	MORNINGVIEW 5694-ET	USA 73956577						
	MORNINGVIEW 5696-ET	USA 73956579						
	MORNINGVIEW 5697	USA 73956580						
	MORNINGVIEW 5698-ET	USA 73956581						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 5699	USA 73956582			C			
	MORNINGVIEW 5700-ET	USA 73956583						
	MORNINGVIEW 5701-ET	USA 73956584						
	MORNINGVIEW 5702-ET	USA 73956585						
	MORNINGVIEW 5703-ET	USA 73956586						
	MORNINGVIEW 5704-ET	USA 73956587						
	MORNINGVIEW 5705-ET	USA 73956588						
	MORNINGVIEW 5707	USA 73956590						
	MORNINGVIEW 5708	USA 73956591						
	MORNINGVIEW 5709-ET	USA 73956592						
	MORNINGVIEW 5710-TW	USA 73956593						3
	MORNINGVIEW 5711-ET	USA 73956594						
	MORNINGVIEW 5712-ET	USA 73956595						
	MORNINGVIEW 5713-ET	USA 73956596						
	MORNINGVIEW 5714-ET	USA 73956597						
	MORNINGVIEW 5715-ET	USA 73956598						
	MORNINGVIEW 5716-ET	USA 73956599						
	MORNINGVIEW 5717-ET	USA 73956600						
	MORNINGVIEW 5718-ET	USA 73956601						
	MORNINGVIEW 5719-ET	USA 73956602						
	MORNINGVIEW 5720-ET	USA 73956603						
	MORNINGVIEW 5721-ET	USA 73956604						
	MORNINGVIEW 5723-ET	USA 73956606					C	
	MORNINGVIEW 5725-ET	USA 73956608						
	MORNINGVIEW 5726-ET	USA 73956609						
	MORNINGVIEW 5727-ET	USA 73956610						
	MORNINGVIEW 5728-ET	USA 73956611			C			
	MORNINGVIEW 5731-ET	USA 73956614						
	MORNINGVIEW 5732-ET	USA 73956615						
	MORNINGVIEW 5733-ET	USA 73956616						
	MORNINGVIEW 5734-ET	USA 73956617						
	MORNINGVIEW 5735-ET	USA 73956618						
	MORNINGVIEW 5736-ET	USA 73956619						
	MORNINGVIEW 5737-ET	USA 73956620						
	MORNINGVIEW 5738-ET	USA 73956621			C			
	MORNINGVIEW 5740-ET	USA 73956623						
	MORNINGVIEW 5742	USA 73956625			C			
	MORNINGVIEW 5743-RED	USA 73956626			C			
	MORNINGVIEW 5744	USA 73956627	C					
	MORNINGVIEW 5745	USA 73956628						
	MORNINGVIEW 5747	USA 73956630						
	MORNINGVIEW 5748-ET	USA 73956631						
	MORNINGVIEW 5749-ET	USA 73956632						
	MORNINGVIEW 5750-ET	USA 73956633						
	MORNINGVIEW 5751-ET	USA 73956634						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW 5752-ET	USA 73956635						
	MORNINGVIEW 5756-ET	USA 73956639						
	MORNINGVIEW 5757-ET	USA 73956640						
	MORNINGVIEW 5758-ET	USA 73956641						
	MORNINGVIEW 5759-RED-ET	USA 73956642						
	MORNINGVIEW 5760-ET	USA 73956643						
	MORNINGVIEW 5761-ET	USA 73956644						
	MORNINGVIEW 5763-ET	USA 73956646						
	MORNINGVIEW 5764-ET	USA 73956647						
	MORNINGVIEW 5767	USA 73956650						
	MORNINGVIEW 5768-ET	USA 73956651						
	MORNINGVIEW 578-ET	840003130641703						
	MORNINGVIEW 5810-ET	USA 73956693						
	MORNINGVIEW 5812	USA 73956695						
	MORNINGVIEW 5813	USA 73956696						
	MORNINGVIEW 5814-ET	USA 73956697						
	MORNINGVIEW 5815-ET	USA 73956698						
	MORNINGVIEW 5816-ET	USA 73956699						
	MORNINGVIEW 5817-ET	USA 73956700						
	MORNINGVIEW 5818-ET	USA 73956701						
	MORNINGVIEW 5819-TW	USA 73956702						
	MORNINGVIEW 5820-ET	USA 73956703						
	MORNINGVIEW 5821-ET	USA 73956704						
	MORNINGVIEW 5822-ET	USA 73956705						
	MORNINGVIEW 5823-ET	USA 73956706						
	MORNINGVIEW 5826	USA 73956709						
	MORNINGVIEW 5828-ET	USA 73956711						
	MORNINGVIEW 5829-ET	USA 73956712						
	MORNINGVIEW 584-ET	840003130641951						
	MORNINGVIEW 859-ET	840003013278796						3
	MORNINGVIEW 878-ET	840003013278815						
	MORNINGVIEW A-1-ET	USA 63927757						
	MORNINGVIEW ABBS-ET	USA 65603908						
	MORNINGVIEW ABOVE-ALL-TW	USA 68654437						
29HO13951	MORNINGVIEW ABSOLUTE-ET	USA 63927756					C	
	MORNINGVIEW ACE-ET	USA 63927806			C			
1HO02830	MORNINGVIEW ACTION-ET	USA 65603854	C					
29HO13191	MORNINGVIEW ADEL-ET	USA 136251365						
200HO05640	MORNINGVIEW ADONIS-ET	USA 137789698						1
1HO11329	MORNINGVIEW AFTERSHOCK-ET	USA 72044165						
	MORNINGVIEW AIR-ET	USA 65603845						
	MORNINGVIEW AIRLINER-ET	USA 65603927						1
	MORNINGVIEW ALCHEMY 1033-ET	USA 71437315						1
1HO10021	MORNINGVIEW ALDWIN-ET	USA 65603911						1
7HO09788	MORNINGVIEW ALEX	USA 63927730						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO10611	MORNINGVIEW ALL-IN	USA 65603899						
	MORNINGVIEW ALLOUEZ CRI-ET	USA 65801604						
7HO08778	MORNINGVIEW ALLSTAR-ET	USA 136169884						1
	MORNINGVIEW ALPINE-ET	USA 68654442						1
11HO09824	MORNINGVIEW ALTAACCESS	USA 137307171						1
11HO10080	MORNINGVIEW ALTAALI-ET	USA 63927716						1
11HO11790	MORNINGVIEW ALTADUNBAR-ET	840003129130282						
11HO10206	MORNINGVIEW ALTALASSO	USA 63927737						
11HO10361	MORNINGVIEW ALTALEON-ET	USA 63927779						
11HO10207	MORNINGVIEW ALTAMOBILE	USA 63927784						
11HO11030	MORNINGVIEW ALTAMOXIE-ET	USA 68654440					C	
11HO10372	MORNINGVIEW ALTASHVATZIE	USA 63927773						
	MORNINGVIEW ALTASLADE-ET	USA 63927803						
11HO10079	MORNINGVIEW ALTATOYOTA	USA 137959538	C					
	MORNINGVIEW ALTKOL MAJESTIC	USA 71709702		C			C	
7HO07769	MORNINGVIEW ALTON-ET	USA 133121067	C					
7HO10612	MORNINGVIEW AMES-ET	USA 65603842						
	MORNINGVIEW AMPLIFY	USA 68654444		C				
7HO07771	MORNINGVIEW ANA ASTRO-ET	USA 133421297						
29HO13189	MORNINGVIEW ANDREE-ET	USA 136620257						
	MORNINGVIEW ANSWER	USA 65603880						
7HO08652	MORNINGVIEW ANSWER-ET	USA 135244573			C			
	MORNINGVIEW ANYTIME-ET	USA 65603907		C				
200HO06126	MORNINGVIEW APOCALYPSE-ET	USA 65603916						
29HO14630	MORNINGVIEW APPLICANT-ET	USA 65603895						
7HO09679	MORNINGVIEW APPRENTICE-ET	USA 63927726						
29HO13962	MORNINGVIEW ARAMARK-ET	USA 63927781						1
29HO13281	MORNINGVIEW ARAMIS-ET	USA 136692203						
1HO08903	MORNINGVIEW ARCHERY-ET	USA 136251356						
29HO16816	MORNINGVIEW ARDIE	USA 69791509			C			
	MORNINGVIEW ARISTOTLE-ET	USA 65603849						1
	MORNINGVIEW ARMS-ET	USA 65603909		C				
1HO09482	MORNINGVIEW ARMSTRONG-ET	USA 63927725						
1HO09591	MORNINGVIEW ASH-ET	USA 63927767						
7HO09680	MORNINGVIEW ASHBYS	USA 63927743			C			
200HO05049	MORNINGVIEW ASHLAR-ET	USA 133573930						
7HO10177	MORNINGVIEW ASHTON-ET	USA 63927769						
	MORNINGVIEW ATHLETE-ET	USA 63927714						1
7HO09826	MORNINGVIEW ATKINS-ET	USA 63927744						
200HO06541	MORNINGVIEW ATTRACT-RED-ET	USA 69791561						1
	MORNINGVIEW AUDIO-ET	USA 68654445					C	
	MORNINGVIEW AUERBACH-ET	USA 68654450						
7HO09799	MORNINGVIEW AUGUST-ET	USA 135896921						1
200HO05696	MORNINGVIEW AWARD-ET	USA 137959480						
200HO05731	MORNINGVIEW AXEL-ET	USA 63927749			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW BALLER	USA 69791539						
	MORNINGVIEW BANK-ETS	USA 68654436						
1HO09244	MORNINGVIEW BARBELL	USA 137789728						
200HO05639	MORNINGVIEW BARBWIRE-ET	USA 137789689						
	MORNINGVIEW BARON-ET	USA 136589941		C				
1HO09075	MORNINGVIEW BARRETT CRI-ET	USA 62398855						
29HO16087	MORNINGVIEW BASKET-ET	USA 68654419						
	MORNINGVIEW BAYSIDE	USA 65603856						
29HO14187	MORNINGVIEW BENEFIT-ET	USA 63927791						
29HO16086	MORNINGVIEW BLAINE-ET	USA 68654421						
	MORNINGVIEW BLASTOFF	USA 65603847						
	MORNINGVIEW BOASTFUL 227-ET	840003129130291						
	MORNINGVIEW BOASTFUL 233-ET	840003129130297						
	MORNINGVIEW BOASTFUL 235-ET	840003129130299						
	MORNINGVIEW BOASTFUL 237-ET	840003129130301						
	MORNINGVIEW BODI-ET	USA 68654425						
7HO09169	MORNINGVIEW BOLTIN-ET	USA 136933151		C				
1HO10078	MORNINGVIEW BONUS-ET	USA 65603920						
7HO11830	MORNINGVIEW BOOKEM LUCID-ET	USA 69791579			C			
200HO05603	MORNINGVIEW BOULDER-ET	USA 137104835						
	MORNINGVIEW BOWSER MECCA-ET	USA 69791555						3
29HO13045	MORNINGVIEW BRADFORD-ET	USA 135896912						1
1HO09146	MORNINGVIEW BRANDY-ET	USA 137309520		C				
1HO09589	MORNINGVIEW BUSCH	USA 63927738						
29HO16089	MORNINGVIEW BUSCHEL-ET	USA 68654424					C	
	MORNINGVIEW CAMRY-ET	USA 68654438						
	MORNINGVIEW CAVALRY-ET	USA 136589884						
	MORNINGVIEW CHICAGO-ET	USA 68654403						
	MORNINGVIEW COMPOSURE-ET	USA 65603897						
	MORNINGVIEW D150-RED-ET	USA 72990583						
200HO04809	MORNINGVIEW DAPPER-ET	USA 131401055						
7HO11880	MORNINGVIEW DATABANK-ET	USA 69791585						
151HO00623	MORNINGVIEW DEED-ET	USA 69791652						
	MORNINGVIEW DERRICK-ET	USA 69791542					C	
1HO10486	MORNINGVIEW DIGGER LOCKE-ET	USA 69791546						3
	MORNINGVIEW DILLINGER-ET	USA 69791592						
	MORNINGVIEW DRSSR ROCKSTAR	USA 71692283						
29HO16794	MORNINGVIEW DRUXY-ET	USA 69791562						
200HO09813	MORNINGVIEW DURABLE-ET	USA 135569346						1
7HO07287	MORNINGVIEW DURHAM JINX-ET	USA 131564714						
200HO09100	MORNINGVIEW DYNAMO-ET	USA 134467520	C					
	MORNINGVIEW EARLY-ET	USA 63927798						
	MORNINGVIEW ELECTIVE-ET	USA 65603867						
200HO05730	MORNINGVIEW ERAGON-ET	USA 63927812						1
200HO05918	MORNINGVIEW FAKIR	USA 63927772						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO17902	MORNINGVIEW FINDLAY-ET	USA 73956645						
	MORNINGVIEW FISCAL-ET	USA 72044259						
1HO05682	MORNINGVIEW GABLE-ET	USA 122986361						
11HO05715	MORNINGVIEW GALE-ET	USA 127332019						
	MORNINGVIEW GALVANIZE-ET	USA 126997660						
	MORNINGVIEW GERARD-ET	USA 128108756						
	MORNINGVIEW GLANCE-ET	USA 129270629						
182HO00824	MORNINGVIEW GLOW P-ET	USA 69791606						
182HO00823	MORNINGVIEW GOLDEN-ET	USA 69791591						
200HO04724	MORNINGVIEW GOTCHA-ET	USA 130633464	C					
7HO12071	MORNINGVIEW GOURMET-ET	USA 69791636						
200HO05859	MORNINGVIEW HASKEL	USA 63927745						
	MORNINGVIEW HENRY-ET	USA 69791458		C				
1HO09417	MORNINGVIEW HO-HO	USA 137959529						
	MORNINGVIEW HOLISTER CRI-ET	USA 68767120						1
	MORNINGVIEW IRVING-ET	USA 69791647					C	1
1HO11012	MORNINGVIEW ISY LEDGER-ET	USA 69791560						
	MORNINGVIEW JACEY ALSTAR-ET	USA 72044275						
11HO06643	MORNINGVIEW JACOB	USA 17392827						
200HO05609	MORNINGVIEW JARED-ET	USA 137309641						
1HO05728	MORNINGVIEW JAWSBREAKER-ET	USA 124787593						
200HO05697	MORNINGVIEW JAZZ-ET	USA 63927720						
	MORNINGVIEW JEDI 259-ET	840003129130323						
	MORNINGVIEW JEDI 260-ET	840003129130324					C	
	MORNINGVIEW JEDI 262-ET	840003129130326					C	
	MORNINGVIEW JEDI 263-ET	840003129130327						
	MORNINGVIEW JEDI 264-ET	840003129130328					C	
200HO09116	MORNINGVIEW JERVEY-ET	USA 135320725						
1HO07460	MORNINGVIEW JEZMOE CRI-ET	USA 60807823						
7HO06914	MORNINGVIEW JIFFY-ET	USA 129270674						
1HO07679	MORNINGVIEW JIGGER-ET	USA 133421288						
	MORNINGVIEW JIMMER-ET	USA 69791540					C	1
	MORNINGVIEW JIMMER-TIME-ET	USA 69791545						
200HO00497	MORNINGVIEW JIMMY	USA 62630455						
29HO10489	MORNINGVIEW JINGLES-ET	USA 129898447						
	MORNINGVIEW JOEY-ET	USA 135674404						
	MORNINGVIEW JOHNATHAN	USA 135351811						
	MORNINGVIEW JOSE SI CRI-ET	USA 63285320				C		
	MORNINGVIEW JOSEPH	USA 65603917						
	MORNINGVIEW JOYRIDE-ET	USA 63927718						
7HO08401	MORNINGVIEW JUCO-ET	USA 134894159	C					
11HO06649	MORNINGVIEW JUDGEMENT-ET	USA 120855850						
	MORNINGVIEW JUICE-ET	USA 65603898						
200HO09118	MORNINGVIEW JUNCTURE-ET	USA 134886266						
11HO06640	MORNINGVIEW JURY-ET	USA 120073609						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW JUSTIFY-ET	USA 126997642	C					
1HO05551	MORNINGVIEW JUSTINE-ET	USA 120854916						
	MORNINGVIEW KEMBA-ET	USA 69791541			C		C	1
7HO12774	MORNINGVIEW KENDRICH 151-ET	USA 72990584						
	MORNINGVIEW KINGBOY 140-ET	USA 72990573						
	MORNINGVIEW KINGBOY 146-ET	USA 72990579						
	MORNINGVIEW KINGBOY 147-ET	USA 72990580						
29HO11933	MORNINGVIEW KIRKWOOD-ET	USA 135468702						
29HO13289	MORNINGVIEW L AUTUMN-ET	USA 136692191						
200HO05520	MORNINGVIEW LANDSLIDE-ET	USA 137079616						
	MORNINGVIEW LARKIN-ET	USA 68654449						1
	MORNINGVIEW LATHAM-ET	USA 68654451						
	MORNINGVIEW LATTY-ET	USA 68654414			C			1
	MORNINGVIEW LAW	USA 63927788						
	MORNINGVIEW LAWTON	USA 65603831			C			
	MORNINGVIEW LEAHY-ET	USA 68654418			C			
29HO11932	MORNINGVIEW LEGEND-ET	USA 135404667						
7HO12591	MORNINGVIEW LEGRAND 5577-ET	USA 72044204			C			
29HO13664	MORNINGVIEW LEVI	USA 63927723			C			
	MORNINGVIEW LEVINS-ET	USA 68654413						
	MORNINGVIEW LIBERTY-ET	USA 68654443			C		C	
29HO16679	MORNINGVIEW LIFTOFF-ET	USA 69791634			C		C	
29HO16680	MORNINGVIEW LIKABULL-ET	USA 69791502						
29HO18234	MORNINGVIEW LIMITLESS-ET	840003129130275						
151HO00622	MORNINGVIEW LINCCECUM-ET	USA 69791520					C	
7HO09170	MORNINGVIEW LINCOLN-ET	USA 136934004						
29HO16524	MORNINGVIEW LINWOOD-ET	USA 69791522						
29HO18133	MORNINGVIEW LIONO-ET	USA 73956576						
	MORNINGVIEW LIZZIE-ET	USA 63927771						
7HO11745	MORNINGVIEW LOCKER-ET	USA 69791524						
29HO13639	MORNINGVIEW LORENO-ET	USA 63927724			C			
151HO00665	MORNINGVIEW LOYAL-ET	USA 72044079						3
7HO10250	MORNINGVIEW LUCIFER-ET	USA 63927795						
29HO16514	MORNINGVIEW LUCIOUS-ET	USA 69791519					C	
	MORNINGVIEW LUCKNOW	USA 63927775		C				3
29HO18235	MORNINGVIEW LUCRATIVE-ET	840003129130271			C			
1HO09065	MORNINGVIEW M BRISCO CRI-ET	USA 62398845						
1HO09068	MORNINGVIEW MA BIRCH CRI-ET	USA 62398848						
	MORNINGVIEW MACBRIDE-ET	USA 72044081			C			
	MORNINGVIEW MADDEN	USA 69791644					C	
	MORNINGVIEW MADISON-ET	USA 63927717						
151HO00664	MORNINGVIEW MADOR-ET	USA 69791477						
	MORNINGVIEW MAGNET-ET	USA 65603872						
29HO16489	MORNINGVIEW MAHALO	USA 69791649					C	
200HO10101	MORNINGVIEW MAINTOP-ET	USA 72044094			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO18082	MORNINGVIEW MAKER	USA 73956559						
	MORNINGVIEW MALIBU CRI-ET	USA 69560651		C				
7HO06408	MORNINGVIEW MANFRED JJ-ET	USA 126941922						
	MORNINGVIEW MANVILLE-ET	USA 72044250						
29HO18083	MORNINGVIEW MAPLE-ET	USA 72990578						
1HO10173	MORNINGVIEW MAPLETON CRI-ET	USA 68767097						
1HO10175	MORNINGVIEW MARCELON CRI-ET	USA 68767099						
1HO09694	MORNINGVIEW MARINGO CRI-ET	USA 63285327						
	MORNINGVIEW MARIOTA-ET	USA 73956652						
	MORNINGVIEW MARK	USA 69791613						
1HO09055	MORNINGVIEW MARLO CRI-ET	USA 62398835						
	MORNINGVIEW MARLO-ET	USA 63927752						
	MORNINGVIEW MARTELL CRI-ET	USA 69560597						
	MORNINGVIEW MARTIAL-ET	USA 69791616					C	
	MORNINGVIEW MARV-ET	USA 65603844						
29HO16017	MORNINGVIEW MAUI-ET	USA 68654441						
1HO10027	MORNINGVIEW MAURICE-ET	USA 65603912						
7HO10268	MORNINGVIEW MAX	USA 63927796	C					
	MORNINGVIEW MAXIMIZE-ET	USA 69791642	C		C			
29HO18239	MORNINGVIEW MAYBACH-ET	USA 73956578						
7HO12198	MORNINGVIEW MCC KINGBOY-ET	USA 72044077						
1HO08908	MORNINGVIEW MCENTIRE-ET	USA 136692641						
29HO18240	MORNINGVIEW MCLAREN-ET	USA 73956613						
	MORNINGVIEW MCQUADE-ET	USA 69791612						
29HO16197	MORNINGVIEW MEAD	USA 69791610						
	MORNINGVIEW MELL-ET	USA 63927763						
	MORNINGVIEW MELVIN	USA 65603881						
203HO01232	MORNINGVIEW MENDEZ-ET	USA 69791617						
	MORNINGVIEW MERCEDES-ET	USA 69791463						
	MORNINGVIEW MERCURY-ET	USA 68654439					C	
	MORNINGVIEW MERIT-ET	USA 69791464			C		C	
	MORNINGVIEW MERLE	USA 136172071						
	MORNINGVIEW METRIX-ET	USA 63927789						
	MORNINGVIEW MEYER-ET	USA 136172763						
7HO12197	MORNINGVIEW MGL UPTOWN-ET	USA 69791511						
200HO05638	MORNINGVIEW MIDLAND-ET	USA 137789670						
29HO11824	MORNINGVIEW MIGHTY-ET	USA 134893998						
29HO17832	MORNINGVIEW MIMOSA-ET	USA 72044227						
29HO17870	MORNINGVIEW MINATO-ET	USA 72044266						
200HO09450	MORNINGVIEW MINOR-ET	USA 135755259						1
	MORNINGVIEW MIRKWOOD-ET	USA 72044268						
29HO11563	MORNINGVIEW MISCHIEF-ET	USA 133899281						
	MORNINGVIEW MITCHELL-ET	USA 63927764						
151HO00662	MORNINGVIEW MIXTURE-ET	USA 69791483						
	MORNINGVIEW MNTRS MASTER-ET	USA 73956638						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO13408	MORNINGVIEW MODEL-ET	USA 136934077					C	
	MORNINGVIEW MOJO-ET	USA 69791462			C		C	1
1HO10168	MORNINGVIEW MOKWA CRI-ET	USA 68767092					C	
54HO00438	MORNINGVIEW MONARCH	USA 63927731						
200HO05857	MORNINGVIEW MONEYMAN-ET	USA 63927732						
200HO05637	MORNINGVIEW MONTEGO-ET	USA 137789661						
	MORNINGVIEW MONTEREY 170-ET	USA 72990603						
	MORNINGVIEW MONTROSS 139-ET	USA 72990572						
7HO10178	MORNINGVIEW MORACCO-ET	USA 63927786						
	MORNINGVIEW MORALES	USA 68654412						
200HO05048	MORNINGVIEW MORTON-ET	USA 133559138						
7HO09989	MORNINGVIEW MOSEBY-ET	USA 63927734						
	MORNINGVIEW MOSES-ET	USA 68654410						
	MORNINGVIEW MR ANSWER	USA 63927800					C	1
	MORNINGVIEW MR COLE-ET	USA 68654432						
	MORNINGVIEW MR LYNCH-ET	USA 65603906						1
	MORNINGVIEW MR MASTER-ET	USA 69791465			C			1
	MORNINGVIEW MUCHOS-ET	USA 63927759	C					
1HO02686	MORNINGVIEW MURRAY-ET	USA 63927758						
29HO18238	MORNINGVIEW MUSCATINE-ET	USA 73956622					C	
29HO17867	MORNINGVIEW MUSTANG	USA 72044243					C	
	MORNINGVIEW MY-TIME-ET	USA 68654447						
	MORNINGVIEW OCTAVIAN 214-ET	840003129130278						
	MORNINGVIEW OCTAVIAN 215-ET	840003129130279						
	MORNINGVIEW OCTBFEST 228-ET	840003129130292						
	MORNINGVIEW OCTBRFEST221-ET	840003129130285						
	MORNINGVIEW OCTBRFEST226-ET	840003129130290						
	MORNINGVIEW OCTFEST 238-ET	840003129130302						
	MORNINGVIEW OCTFEST 256-ET	840003129130320						
	MORNINGVIEW OCTOFEST 252-ET	840003129130316						
	MORNINGVIEW OCTOFEST 253-ET	840003129130317						
	MORNINGVIEW OCTOFEST 254-ET	840003129130318						
	MORNINGVIEW PACESETTER-ET	USA 63927728						
200HO05192	MORNINGVIEW PAIGE-ET	USA 134287834						
	MORNINGVIEW PALMER-ET	USA 65603910						
7HO06030	MORNINGVIEW PARIS-ET	USA 18010780						
	MORNINGVIEW PARR-ET	USA 63927721						
	MORNINGVIEW PARTIAL-ET	USA 65603843						
	MORNINGVIEW PARTNER-ET	USA 65603841						
7HO05899	MORNINGVIEW PATROL-ET	USA 17255261						
	MORNINGVIEW PATTON-ET	USA 63927776						
200HO05434	MORNINGVIEW PAVEL-ET	USA 136212434	C					
	MORNINGVIEW PAYDAY-ET	USA 68654422						
	MORNINGVIEW PERFECT-ET	USA 65603886						
29HO10912	MORNINGVIEW PERMISSION-ET	USA 132109684						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO08396	MORNINGVIEW PIPPY-ET	USA 135251438						
7HO07539	MORNINGVIEW PLEASE-ET	USA 132331939						
	MORNINGVIEW PLEDGE-ET	USA 69791645					C	
	MORNINGVIEW POPPENS	USA 69791641						
	MORNINGVIEW POPULAR-ET	USA 133041017						
7HO06913	MORNINGVIEW PRE GOERDT-ET	USA 128602027						
200HO04803	MORNINGVIEW PRE JUSTIFY	USA 130633521						
	MORNINGVIEW PREMIUM-ET	USA 131718412	C					
7HO09262	MORNINGVIEW PREVENT-ET	USA 137104910						
54HO00443	MORNINGVIEW PRO-ET	USA 63927805						
	MORNINGVIEW PUTMAN-ET	USA 63927778						
	MORNINGVIEW RACER 167-ET	USA 72990600						
	MORNINGVIEW RANDY-ET	USA 65603925						
7HO11831	MORNINGVIEW RAPPER-ET	USA 69791593						
	MORNINGVIEW RAPTURE-ET	USA 72265395						
	MORNINGVIEW RAY-ET	USA 68654434						
	MORNINGVIEW RECKONER-ET	USA 72282541						
200HO05919	MORNINGVIEW REDDEN	USA 63927783						
29HO18132	MORNINGVIEW REVOLVER-ET	USA 73956551						
	MORNINGVIEW RICE-ET	USA 65603902						
	MORNINGVIEW RIGBY-RED-ET	USA 72044241						
200HO10441	MORNINGVIEW ROLLING-ET	USA 73956648						
566HO01216	MORNINGVIEW ROXBURY-RED-ET	USA 69791534						1
	MORNINGVIEW ROYAL	USA 68654417					C	
	MORNINGVIEW RUBICON 257-ET	840003129130321						
	MORNINGVIEW RULE-ET	USA 65603926						
1HO07925	MORNINGVIEW S JUDSON CRI-ET	USA 61089339						1
200HO02509	MORNINGVIEW SAILOR-ET	USA 65603834		C				3
200HO05386	MORNINGVIEW SALT LAKE-ET	USA 136172688						
	MORNINGVIEW SAMPSUN-RED-ET	USA 65603919						3
1HO04786	MORNINGVIEW SCHMITTY-ET	USA 2231490						
	MORNINGVIEW SHAMROCK1029-ET	USA 71437311					C	
	MORNINGVIEW SHERIDAN-ET	USA 136212331						
7HO09333	MORNINGVIEW SHOT AUGUST-ET	USA 137723104			C		C	
	MORNINGVIEW SHOWDOWN-ET	USA 65603893						
	MORNINGVIEW SHOWMAN	USA 63927729						
1HO05531	MORNINGVIEW SHRINE-ET	USA 120855609			C			
	MORNINGVIEW SILVER 175-ET	USA 72990608						
	MORNINGVIEW SILVER 180-ET	USA 72990613						
	MORNINGVIEW SILVER 181-ET	USA 72990614						
	MORNINGVIEW SILVER 208-ET	840003129130272			C			
	MORNINGVIEW SILVER 209-ET	840003129130273						
	MORNINGVIEW SILVER 216-ET	840003129130280						
	MORNINGVIEW SILVER 217-ET	840003129130281						
	MORNINGVIEW SILVER 219-ET	840003129130283			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MORNINGVIEW SILVER 229-ET	840003129130293						
	MORNINGVIEW SILVER 230-ET	840003129130294						
	MORNINGVIEW SIMONE	USA 65603915						
	MORNINGVIEW SISCO CRI-ET	USA 63285316						
7HO06112	MORNINGVIEW SIZZLER-ET	USA 17395060			C			
	MORNINGVIEW SKYDOG CRI-ET	USA 64541622						
	MORNINGVIEW SLICK CRI-ET	USA 63285317						
	MORNINGVIEW SLIM-ET	USA 63927760						
	MORNINGVIEW SOUL-ET	USA 65603869						
	MORNINGVIEW SPARK 247-ET	840003129130311						
	MORNINGVIEW SPARK 248-ET	840003129130312						
	MORNINGVIEW SPARK 249-ET	840003129130313						
	MORNINGVIEW SPRING 220-ET	840003129130284						
	MORNINGVIEW SPRING 222-ET	840003129130286						
	MORNINGVIEW SPRING 223-ET	840003129130287						
	MORNINGVIEW SPRING 224-ET	840003129130288						
	MORNINGVIEW SPRING 225-ET	840003129130289						
	MORNINGVIEW SPRING 236-ET	840003129130300						
29HO14113	MORNINGVIEW STALLONE-ET	USA 63927755						
	MORNINGVIEW SUNFIRE	USA 136656414				C		
	MORNINGVIEW SUNSET-ET	USA 63927713						
	MORNINGVIEW SUNSHINE-ET	USA 65603868						
1HO11629	MORNINGVIEW TANGO FEISTY-ET	USA 72044273						
	MORNINGVIEW TIERNEY-ET	USA 134886284	C					
7HO06658	MORNINGVIEW TITANIC-ET	USA 128602232						
11HO06668	MORNINGVIEW TITLE-ET	USA 125169143						
7HO08890	MORNINGVIEW TNIC ARTIST-ET	USA 61690601			C			
1HO05945	MORNINGVIEW TOMBOY CRI-ET	USA 60162856						
	MORNINGVIEW UNO 5595-ET	USA 72044222						
	MORNINGVIEW UNO 57353-ET	840003010356100						
200HO10516	MORNINGVIEW UPRIGHT-ET	USA 73956539						
	MORNINGVIEW YODER 142-ET	USA 72990575						
	MORNINGVIEW YODER 212-ET	840003129130276						
	MORNINGVIEW ZABER-ET	USA 69791611						
	MORNINGVIEW ZACH-ET	USA 68654416						
	MORNINGVIEW ZENNER-ET	USA 65603890					C	
1HO09685	MORNINGVIEW ZINGER CRI-ET	USA 63285318			C			
	MORNINGVIEW ZWINGLE-ET	USA 68654433						
	MORNINGVIEW-JS 5375-ET	USA 69791583						
	MORNINGVIEW-JS 5376-ET	USA 69791584						
	MORNINGVIEW-JS 5387-ET	USA 69791595						
	MORNINGVIEW-JS 5498-ET	USA 72044125						
7HO08983	MORNINGVIEW-MT SHERRILL-ET	USA 136589594						
	MORNINGVIEW-MT SHOXS-ET	USA 136692593						
200HO02223	MORNINGVIEW-MT-I LAKEVIEW-ET	CAN 7528907						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO10705	MOROVILLE ADDISON BANKER-ET	USA 130813851						
7HO06199	MOROVILLE ALINE BRONCO-ET	USA 120360307						
7HO06448	MOROVILLE AMEL BLUES BRO-ET	USA 124674606						
	MOROVILLE BRADFORD CRI-ET	USA 61376436						
	MOROVILLE BRETT-ET	USA 126301210						
200HO04801	MOROVILLE BRONX-ET	USA 130897646	C					
200HO01643	MOROVILLE BUSKE-ET	USA 131508088						
7HO05112	MOROVILLE CHES BRETON-ET	USA 2252058						
7HO06587	MOROVILLE FRED SANFORD-ET	USA 127923530						
7HO08759	MOROVILLE LANCELOT BARLY-ET	USA 135826203						
14HO02224	MOROVILLE MASCOT BROCK	USA 2203532						
29HO09831	MOROVILLE WELLS BOXER-ET	USA 123637523						
7HO06586	MOROVILLE WINCH BRADY	USA 126298668						
	MORRIAFTON ABBY-ET	CAN 5524120						
	MORRIAFTON CLUB-ET	CAN 5406737	C					
	MORRIAFTON DIMITRI-ET	CAN 5406740	C					
73HO01604	MORRIAFTON WILDFIRE	CAN 401648						
14HO04215	MORRILL CADON CHUCK-RED	USA 132834254						
7HO08533	MORRILL CAPTAIN-RED-ET	USA 170033268						1
	MORRILL CHRIS CALVIN-RED	USA 172329729						
94HO00889	MORRILL D COLONEL-RED-ET	USA 141685317						3
	MORRILL D GOOD-CHICKEN-RED	USA 141754499						3
29HO00859	MORRILL J CHEECH-RED-ET	USA 134376808	C					
	MORRILL S CAMEL 2630-RED	USA 172329792		C				3
8HO00904	MORRILL SELMA B-J ALADDIN	USA 1715095						
7HO09638	MORRILL TALENT CROC-RED-ET	USA 170079468						1
80HO01106	MORSAN AFTERBURN-RED-ET	CAN 9626893					C	3
11HO09956	MORSAN ALTALOCKLYN-ET	CAN 7611374						
513HO03099	MORSAN BANJO FIDDLE-ET	CAN 11874260						
76HO01622	MORSAN BARNETT-P-ET	CAN 11874211						1
200HO10306	MORSAN BLACKJACK-ET	CAN 11874256						
200HO10432	MORSAN BLUETOOTH	CAN 12029635						
200HO00520	MORSAN BORIS	CAN 7611440						
200HO00465	MORSAN BRAVO-ET	CAN 7732447						
200HO00451	MORSAN BRONSON-ET	CAN 7611334						
200HO05762	MORSAN BUNKER-ET	CAN 104207419						
7HO12417	MORSAN CAEDMON-ET	CAN 9827398						
200HO10559	MORSAN CARGO-ET	CAN 12130478						
200HO10115	MORSAN COMBAT-ET	CAN 9827387						
80HO00324	MORSAN DARION	CAN 7611375						
	MORSAN DETERMINE 55267	840003010354014						
200HO00444	MORSAN DYNAMITE-ET	CAN 7611327						
138HO05093	MORSAN FABRIC-RED	CAN 11254429						3
80HO01076	MORSAN FINALIST-ET	CAN 7611286						
	MORSAN FIREWORKS-ET	CAN 7611287						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO00379	MORSAN FRONTRUNNER-ET	CAN 7472411						
7HO12608	MORSAN JABIR BIEBER 1441-ET	CAN 12029621						
	MORSAN JACEY SPOOKY 1473-ET	CAN 12029653						
147HO02473	MORSAN LILE Z-ET	CAN 9827404						
200HO10166	MORSAN MAJORDOMO-ET	CAN 11874194						1
94HO14758	MORSAN MASTERPIECE-ET	CAN 9626824					C	
	MORSAN MAZIN-ET	CAN 9827406			C			
200HO00614	MORSAN MERCHANT-ET	CAN 9626860						
200HO10433	MORSAN MOTOCROSS-ET	CAN 12029672						
506HO00249	MORSAN MR BIG-ET	CAN 9626886						
100HO11406	MORSAN MR CLEAN-ETS	CAN 9626894						
200HO02751	MORSAN MR METAL-ET	CAN 9626892						
7HO11815	MORSAN MR SHAM WOW-ET	CAN 9626865						
7HO11814	MORSAN MR SNOW BUSINESS-ET	CAN 9626863			C			
80HO01108	MORSAN MR UNIVERSE-ET	CAN 9626891						
200HO00611	MORSAN MYSTIC-ET	CAN 9626855						
200HO00422	MORSAN OMANNY-ET	CAN 7611271			C			
200HO10601	MORSAN QUICKWORK-ET	CAN 12130507						
80HO01107	MORSAN RED EYE-RED-ET	CAN 9626882						3
	MORSAN RYE-ET	CAN 9827370						
	MORSAN SHAQUILLE DORITO-ET	USA 64624170					C	
80HO01082	MORSAN TERMINATOR	CAN 7732437						
200HO00387	MOSNANG MYLES-ET	CAN 7374330						
200HO00364	MOSNANG WILD-ET	CAN 7374281						
	MOSNANG WILDFIRE-ET	CAN 7374276						
	MOSSY-CREEK JUMP HUSKY 2501	840003134473193						
	MOSSYS PRONTO SANTEE	USA 139118207						
	MOUNTFIELD AC EAREST-ET	USA 66940536						
	MOUNTFIELD AC ELMER-ET	USA 66940542						
	MOUNTFIELD AC ERNIE-ET	USA 66940532						
	MOUNTFIELD AL MALARKY	USA 69398752						
	MOUNTFIELD ALCO MASON-ET	840003129018505						
	MOUNTFIELD ALCO MINER-ET	840003129018499						
	MOUNTFIELD ALCO MUGSEY-ET	840003129018500						
	MOUNTFIELD ALEX MADADOR	USA 66940573						
11HO10469	MOUNTFIELD ALTAEXACTER	USA 65689792					C	
11HO11334	MOUNTFIELD ALTAGRADY-ET	USA 71259505						
11HO11482	MOUNTFIELD ALTAMARCELLUS	USA 72799066						
11HO11264	MOUNTFIELD ALTAMARVIN-ET	USA 70346082						
	MOUNTFIELD ARMTGE MANNY-ET	USA 71259495						
	MOUNTFIELD ARNT MAKER-ET	USA 72171373						
	MOUNTFIELD B MISSLE-ET	USA 63999512						
	MOUNTFIELD B MOMBARO-ET	840003129018416						
	MOUNTFIELD BCN LAZERBEAM-ET	USA 72171369						
	MOUNTFIELD BCN MCTN MCOY-ET	USA 72171368						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MOUNTFIELD BCN MILO-ETS	USA 72171366						
	MOUNTFIELD BCN MINUTEMAN-ET	USA 72171370						
	MOUNTFIELD BKM MADDEN-ET	USA 71259480						
	MOUNTFIELD BKM MELROD	USA 71259567					C	
	MOUNTFIELD BKM MEREK-ET	USA 71259481						
	MOUNTFIELD BKM PRECISION	USA 70346109						
	MOUNTFIELD BMBR MASTER-ET	840003129018417						
	MOUNTFIELD BUD MACDUFF-ET	USA 71259547						
	MOUNTFIELD BXR MANIFOLD-ET	USA 70346031						
	MOUNTFIELD BXR MIRACLE-ET	USA 70346038						
	MOUNTFIELD BXR MISHAP-ET	USA 70346039						
	MOUNTFIELD BXR MUFFLER-ET	USA 70346032						
	MOUNTFIELD CAMRN MAPLE-ET	USA 71259530						
	MOUNTFIELD CAS AMBUSH-ET	USA 66940561						
	MOUNTFIELD CASNO MALICE-ET	USA 69398805						
	MOUNTFIELD CASNO MIGHTY-ET	USA 66940587						
	MOUNTFIELD CLT P CHANCY-RED	USA 72171297						1
	MOUNTFIELD CMRN MARK-ET	USA 71259575						
	MOUNTFIELD CMRN MELON-ET	USA 72171364						
	MOUNTFIELD CMRN MERYL-ET	USA 71259577						
	MOUNTFIELD CMRN MONEY-ET	USA 72171286						
	MOUNTFIELD CSCD METEOR-ET	USA 72171350					C	
	MOUNTFIELD CSHCN MOTLEY-ET	USA 72799126						1
14HO07500	MOUNTFIELD CSL MANDY	USA 72799075						
	MOUNTFIELD CSL MANTREL-ET	USA 72799071						
	MOUNTFIELD CSL MILLER-ET	USA 72799073						
	MOUNTFIELD DAMARI SNIPER-ET	840003129018474						
	MOUNTFIELD DCY MICK	USA 71259496						
	MOUNTFIELD DFNDR ADAM	USA 73664305						
	MOUNTFIELD DIGGER MIDNIGHT	USA 69398787						3
	MOUNTFIELD DMN EYEPOD-ET	USA 70346013						
29HO16538	MOUNTFIELD DMN MAJESTIC	USA 70346047						
	MOUNTFIELD DMN MANDANA-ET	USA 70346057						
	MOUNTFIELD DOLCE MAINARD-ET	USA 70346018						
	MOUNTFIELD DOLCE MALICE-ET	USA 70346019						
7HO11244	MOUNTFIELD DORCY MCNEAL-ET	USA 69398768						
1HO10360	MOUNTFIELD EASTWOOD CRI-ET	USA 69560654					C	
29HO13901	MOUNTFIELD EMANUAL-ET	USA 63999467						
	MOUNTFIELD EPIC MONSOON	USA 71259538						
	MOUNTFIELD EXCTR MENACE-ET	USA 70346028						
	MOUNTFIELD EXCTR MISSTEP-ET	USA 70346037						
	MOUNTFIELD FRANK ENDLESS-ET	USA 70346051						
	MOUNTFIELD GERARD ERGO-ET	USA 70346021						
	MOUNTFIELD GLDCHP MARCO-ET	USA 71259500						
	MOUNTFIELD GLXY EDITH	USA 72799064						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MOUNTFIELD HLGN IMPROVER-ET	USA 73664348						1
	MOUNTFIELD IRON MAX-ET	USA 69398735						
	MOUNTFIELD IRONIC MAX-ET	USA 69398737						
	MOUNTFIELD JBR MANNY-ET	USA 73664298						
	MOUNTFIELD JBR MASON-ET	USA 73664288						
	MOUNTFIELD JBR MASTER-ET	USA 73664318						
	MOUNTFIELD JBR MAXWELL-ET	USA 73664285						
	MOUNTFIELD JBR MENCE	USA 73664312						
	MOUNTFIELD JBR MENDELL-ET	USA 73664304						
7HO12694	MOUNTFIELD JBR MENDEZ-ET	USA 73664319						
	MOUNTFIELD JBR MIAT-ET	USA 73664301						
	MOUNTFIELD JBR MILAGE	USA 73664290						
14HO07581	MOUNTFIELD JBR MOZAIC-ET	USA 72799123						
	MOUNTFIELD JBR MOZART-ET	USA 72799122						
	MOUNTFIELD JSPP MASTER	840003129018465						
	MOUNTFIELD JTST MAXWELL-ET	USA 73664293						
	MOUNTFIELD JTST MORRIS	USA 73664311						
	MOUNTFIELD KINGBOY ILIAN-ET	840003129018418						1
	MOUNTFIELD KINGBY MILLER-ET	840003129018449						
	MOUNTFIELD KNGBY IMPEREL-ET	USA 73664375						1
	MOUNTFIELD KNGBY IMPROVE-ET	USA 73664373						1
	MOUNTFIELD KNGBY MEMO-ET	840003129018448						
	MOUNTFIELD KOOL GRABBY-ET	USA 71259506						
	MOUNTFIELD KOOL-MAN	USA 72171377						
	MOUNTFIELD KRAMER ASH-ET	USA 66940614						
	MOUNTFIELD KRMR MAGNUM-ET	USA 71259479						
	MOUNTFIELD KRMR MAXUM-ET	USA 71259483						
1HO02548	MOUNTFIELD L ALSTED-ET	USA 63999497						
	MOUNTFIELD LQDGLD MONEY	USA 73664296					C	
	MOUNTFIELD LTHM GRODIE	USA 72171343						
	MOUNTFIELD LTHM MOCHA-ET	USA 72171349						
	MOUNTFIELD LTMR EDWIN	USA 72799042					C	
	MOUNTFIELD LTMR MELMOR	USA 72799029						1
	MOUNTFIELD LTRY LABOY-ET	USA 71259516		C				
	MOUNTFIELD LTRY LAMAN-ET	USA 71259519						
	MOUNTFIELD LTRY LEBRON-ET	USA 71259514						
	MOUNTFIELD LTRY LYON-ET	USA 72171357		C				
29HO16056	MOUNTFIELD MADEIRA-ET	USA 69398717						
	MOUNTFIELD MADISON CRI-ET	USA 64541670						
29HO13899	MOUNTFIELD MAGDA-ET	USA 63999476						
29HO13909	MOUNTFIELD MAGEE-ET	USA 63999474						
1HO02549	MOUNTFIELD MAGWA-ET	USA 63999487						
	MOUNTFIELD MANUS CRI-ET	USA 64541682						
1HO10185	MOUNTFIELD MARKTON CRI-ET	USA 68767109						
	MOUNTFIELD MASSY MILT-ET	USA 69398801						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MOUNTFIELD MASTER-ET	USA 69398718						
	MOUNTFIELD MATADOR	USA 66940549						
	MOUNTFIELD MAX A MILLION-ET	USA 66940577						
	MOUNTFIELD MAXIMILAN CRI-ET	USA 64541674						
	MOUNTFIELD MCTCHN MALT-ET	USA 72171339						
29HO13520	MOUNTFIELD MELVILLE-ET	USA 62784080	C					
29HO16897	MOUNTFIELD MGL ELWOOD-ET	USA 71259545						
	MOUNTFIELD MGL ERVIN-TW	USA 71259551						
	MOUNTFIELD MGL ETAN	USA 71259540						
	MOUNTFIELD MGL LAZAR-ET	USA 72171323						
	MOUNTFIELD MGL LEO-ET	USA 72171320						
14HO07354	MOUNTFIELD MGL LEOPARD-ET	USA 72171321						
	MOUNTFIELD MGL LODI	USA 73664323		C				
	MOUNTFIELD MGL POGUL-ET	USA 72171315						
	MOUNTFIELD MGL PROTTO-ET	USA 72171311						
	MOUNTFIELD MGL PROXY-ET	USA 72171307						
	MOUNTFIELD MICROWAVE	USA 69398730						
	MOUNTFIELD MILL MESSAGE	USA 66940570						
	MOUNTFIELD MILLSTORM-ET	USA 66940579		C				
1HO10094	MOUNTFIELD MISFIRE-ET	USA 66940552						
	MOUNTFIELD MIX CONDOR-ET	USA 72171380						1
	MOUNTFIELD MLLGTN MASTER-ET	840003129018508						
	MOUNTFIELD MLLNGTN MERRY-ET	840003129018506						
	MOUNTFIELD MLLNGTN SURELY	840003129018495					C	
7HO11138	MOUNTFIELD MSY MAURICE-ET	USA 69398748						
	MOUNTFIELD MXR CAPTAIN-ET	USA 72171382						1
7HO12103	MOUNTFIELD MXR CLARENCE-ET	USA 71259528						
	MOUNTFIELD MXR CONAN-ET	USA 71259526						
	MOUNTFIELD MXR CONDOR-ET	USA 71259527						
	MOUNTFIELD MXR DAMONE-ET	USA 71259536						
	MOUNTFIELD MXR LANDER	USA 72171298		C				
	MOUNTFIELD MYFLD MESA-ET	USA 72171314	C		C			
	MOUNTFIELD MYFLD MOKEY	USA 72171292						
	MOUNTFIELD MYFLD MUSTANG-ET	USA 72171318	C					
	MOUNTFIELD OAK MCMAN-ET	USA 72799093						
	MOUNTFIELD OAK MENTOR-ET	USA 72799034						
	MOUNTFIELD OAK MILLTON-ET	USA 72799047						
	MOUNTFIELD OAK MINDER-ET	USA 72799033						
	MOUNTFIELD OAK MO-ET	USA 72799030						
	MOUNTFIELD OAK MOSES-ET	USA 72799031						
	MOUNTFIELD OAK STETSON-ET	USA 72171385						
	MOUNTFIELD OAK STONE-ET	USA 72799028						
	MOUNTFIELD OBSVR EAGLE-ET	USA 70346043					C	
	MOUNTFIELD OSMD PAUL-ET	USA 70346096						
	MOUNTFIELD OSMD PETTY-ET	USA 71259493						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MOUNTFIELD OSMD PICKLE-ET	USA 70346087						
	MOUNTFIELD OSMD PRIDE-ET	USA 70346088						
	MOUNTFIELD PERU CRI-ET	USA 70895017						
	MOUNTFIELD PING ALARM-ET	USA 66940591						
	MOUNTFIELD PING ALRIGHT-ET	USA 66940593						
	MOUNTFIELD PLTNM MOBILE-ET	USA 72799059			C			
	MOUNTFIELD PLTNM MOBY-ET	USA 72799058			C			
	MOUNTFIELD PRDSTN MAHALA-ET	USA 72799069					C	3
	MOUNTFIELD PRDSTN MATRON-ET	USA 72799105						3
	MOUNTFIELD PRDSTN MOBIE-ET	USA 73664356						3
	MOUNTFIELD PRDSTN MOOK-ET	USA 72799067						
	MOUNTFIELD PRDSTN MUFASA-ET	USA 72799072					C	
	MOUNTFIELD PRENTICE APEX-ET	USA 66940602						
	MOUNTFIELD PURE LIBERTY	840003129018419						
	MOUNTFIELD RACER MACE-ET	USA 73664360						
	MOUNTFIELD RAMOS CEASAR	USA 65689860						
	MOUNTFIELD RBST ARROW-ET	USA 70346103						
	MOUNTFIELD RBST EXPELL-TW	USA 71259512						
	MOUNTFIELD RBST MAIN-ET	USA 70346081						
	MOUNTFIELD RBST MANLY-ET	USA 70346084						
	MOUNTFIELD RBST MONO	USA 71259508						
14HO07694	MOUNTFIELD RCR COOPER-ET	USA 73664335						
	MOUNTFIELD RCR ELMER	USA 73664330						
	MOUNTFIELD RCR MAURI-ET	USA 73664322						
	MOUNTFIELD RCR MONO-ET	USA 73664321						
	MOUNTFIELD RCR MORT-ET	USA 73664324						
	MOUNTFIELD RCR MOTOR-ET	USA 73664320						
	MOUNTFIELD RCR MR MACER-ET	USA 73664354						
1HO02784	MOUNTFIELD S MAN-ET	USA 65689819						
	MOUNTFIELD SDN MAPLE-ET	USA 71259561						
	MOUNTFIELD SEB MEDAL-ET	USA 69398762						
7HO11245	MOUNTFIELD SEB MEDALLION-ET	USA 69398763						
1HO10406	MOUNTFIELD SEQUOIA MEL-ET	USA 69398736					C	
	MOUNTFIELD SHMRK MAGIC-ET	USA 71259478						
	MOUNTFIELD SHMRK MAGNET-ET	USA 70346112						
	MOUNTFIELD SHMRK MAIN MAN	USA 71259517						
	MOUNTFIELD SHMRK MATT-ET	USA 71259482						
	MOUNTFIELD SHMRK MAXXUM-ET	USA 70346094						
	MOUNTFIELD SHMRK MILTON	USA 71259485	C					
	MOUNTFIELD SJC MARTY-ET	USA 72171352						
	MOUNTFIELD SJC MILLER-ET	USA 72171327						
	MOUNTFIELD SJC MOLLER-ET	USA 72171328						
	MOUNTFIELD SNCHZ MASON-ET	USA 66940586						
	MOUNTFIELD SNCHZ MEDIC-ET	USA 66940590						
7HO11137	MOUNTFIELD SP MELLARD-ET	USA 69398743						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MOUNTFIELD SPLX LOGIC-ET	USA 72171353						
	MOUNTFIELD SPR ADAM-TW	USA 69398774						
	MOUNTFIELD SPR APEX-TW	USA 69398775						
	MOUNTFIELD SPR MAKY-ET	USA 71259497						
	MOUNTFIELD SPRSR LEXUS-ET	USA 72799091		C				
	MOUNTFIELD SPRSR LUCAS-ET	USA 72799090						
	MOUNTFIELD SPRSR MALIBU	USA 72799061						
	MOUNTFIELD SPRSR MASON	USA 72799083						
	MOUNTFIELD SPRSR MAXFILD-ET	USA 72171295						
	MOUNTFIELD SPRSR MAXWELL-ET	USA 72171296						
	MOUNTFIELD SPRSR METAL	USA 72171351						
	MOUNTFIELD SPRSR MOSES-ET	USA 72171290						
	MOUNTFIELD SPRSR MOST	USA 72171301						
	MOUNTFIELD SQU MUSCLE-ET	USA 72171299						
7HO11313	MOUNTFIELD SSI DCY MIXER-ET	840003004672662						
7HO11314	MOUNTFIELD SSI DCY MOGUL-ET	840003006972816						
	MOUNTFIELD SSI MANIFEST-ET	840003004672665						
	MOUNTFIELD SUPER MAN-ET	USA 69398776						
	MOUNTFIELD SUPER MOHAWK-ET	USA 70346046					C	
	MOUNTFIELD TIME AUGUSTA	USA 66940616						
	MOUNTFIELD TNC PIERCE-ET	USA 70346099						
	MOUNTFIELD TOP RCK MARSH-ET	USA 72799098						
	MOUNTFIELD TP RCK MENZIE-ET	USA 72799086						
	MOUNTFIELD TP RCK MOBY-ET	USA 72799101						
	MOUNTFIELD TP RCK MUNZIE-ET	USA 72799089						
29HO13422	MOUNTFIELD TRAMPOLINE-ET	USA 62784075					C	
1HO09100	MOUNTFIELD TROTTER-ET	USA 62071085						
1HO08949	MOUNTFIELD TYLAR-ET	USA 62071029						
	MOUNTFIELD UNO MAJOR-ET	USA 72799051						
	MOUNTFIELD UNO MALIN-ET	USA 72799052						
	MOUNTFIELD UNO MASK-ET	USA 72799057						
	MOUNTFIELD UNO MAYTAG-ET	USA 72799113						
	MOUNTFIELD UNO MERLO-ET	USA 72799102						
	MOUNTFIELD YODER EXPRESSION	840003129018444						
14HO06153	MOW-TEN-VUE BIG MAC-ET	840003004373215						
	MOW-TEN-VUE COLBY ELVIS	840003004373194	C	C				
8HO02402	MOWACRES BELL CONRAD	USA 2051720						
151HO04079	MOX ATHLETE-ET	DEU 814671369						1
151HO04078	MOX ATLAS-ET	DEU 814671370						1
21HO01886	MPC-DREAM&DO BR HEATH-ET	USA 2098166						
151HO03265	MR 1ST CANDO 1099-ET	USA 74599876						
151HO03224	MR 1ST DELHI 31184-ET	840003126775189						
	MR 1STCLASS GOLA 979-ET	USA 74414194						
	MR 781 DELTA 31106-ET	840003126775111						
	MR 781 DELTA 31153-ET	840003126775158						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR 781 DELTA 31501-ET	840003126775506						1
	MR A RANALDO MAGNUS	USA 140035838						
76HO00601	MR A-D RASPBERRY LU P-RED	USA 66383541						
100HO10447	MR A-O HT FAME 23403-ET	USA 62073869						1
	MR ABELLA DEFEND 54275-ET	840003010353022						
	MR ABELLA DEFEND 54300-ET	840003010353047						
	MR ABELLA FLAME 60107-ET	840003010363854						
	MR ABELLA MEGA 61376-ET	840003010365123						
	MR ABELLA MEGASIRE 54313-ET	840003010353060						1
	MR ABELLA MEGASIRE-ET	840003010353061						1
	MR ABELLA TANGO 55678	840003010354425		C				1
	MR ABELLA UNO 8405-ET	840003013474491						1
	MR ABRIANNA BN 8373-ET	840003013474459						
	MR ABRIANNA BRADNICK-ET	840003013474451						
	MR ABRIANNA BRDNICK 2432-ET	840003013473869						
	MR ADDISON BOLT ADDITION-ET	USA 68672185						
	MR ADDITIVE DCO 31841	840003126775846						1
	MR ADDITIVE KB 54935-ET	840003010353682						1
	MR ADDITIVE MON 54634-ET	840003010353381						1
	MR ADDITIVE MON 54717-ET	840003010353464						
	MR ADDITIVE MON 54737-ET	840003010353484						
	MR ADDITIVE MON 54750-ET	840003010353497						
	MR ADDITIVE MON 54949-ET	840003010353696						
	MR ADDITIVE OLYM 54614-ET	840003010353361						
	MR ADDITIVE OLYM 54692-ET	840003010353439						1
	MR ADEE BROKAW 1047	USA 73828410						
	MR ADELIN TOPY 55723	840003010354470						
	MR ADELIN MAYFIELD 8219-ET	USA 72436766						
	MR ADELIN UNO 1429-ET	USA 72128218						
	MR ADELIN UNO 1430-ET	USA 72128219						
	MR ADERYN 1378-ET	USA 72128167						
	MR ADERYN 8418-ET	840003013474504						
200HO10064	MR ADERYN ANDIRON-ET	USA 72128168						
	MR ADERYN CITAT70940-RED-ET	840003123614729						1
	MR ADERYN COLT 45 8455-ET	840003013474541						
	MR ADERYN COLT 45 8461-ET	840003013474547						
	MR ADERYN COLT 8493-ET	840003013474579						
	MR ADERYN COLT45 8480-RED-ET	840003013474566						
	MR ADERYN DETERMINE 8413-ET	840003013474499						
	MR ADERYN MAYFIELD 8092-ET	USA 72436639						
	MR ADERYN MONTRY 31404-ET	840003126775409						
	MR ADERYN OAK COLT 45-ET	840003013474546						
	MR ADERYN OLYM 54526-ET	840003010353273						
	MR ADERYN POWER 71148-ET	840003123614937						
	MR ADERYN SYMPAT 57251-ET	840003010355998						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR ADERYN UNO 15106-ET	840003012574953						
	MR ADERYN UNO 8280-ET	USA 72436827						
	MR ADORAS CHESTER-ET	USA 142739813						
	MR ADVENT HARRY-ET	USA 139777042						
94HO14334	MR ADVENT HAVEN-ET	USA 139512597						
	MR AER-JORDAN-ET	USA 2189159						
94HO16496	MR AFTERSHOCK DECLAN	USA 141440624						
	MR AG-SCI ATWOOD 1027-ET	USA 71437309						
	MR AG-SCI COLT P 1017	USA 71437299						
	MR AG-SCI GOLD CHIP 1012-ET	USA 71437294						
	MR AG-SCI HERO 1013-ET	USA 71437295						
	MR AG-SCI SHAMROCK 1009	USA 71437291						
	MR AIDENS ANNISTON	USA 71692135			C			
	MR AINSLEY LADD 1400-ET	USA 72128189						1
	MR AINSLEY LADD 1401-RED-ET	USA 72128190						
	MR AIR-OSA ATWOOD 27887	USA 72864946						
	MR AIR-OSA HALEY 27856	USA 72864915			C			
	MR AIR-OSA MCCUTCHEN 27949	USA 72865008						
	MR AIR-OSA NIAGRA 26917-ET	USA 71304184			C			
	MR AIR-OSA NIAGRA COLUSA-ET	USA 70086564						
	MR AIR-OSA SHAMROCK 26936	USA 71304203						
100HO10691	MR AIR-OSA SHOT ALLMILK-ET	USA 62371657					C	
	MR AIR-OSA UNO 28279	USA 73659813						
	MR AJ-ET	USA 139376054						
11HO10495	MR AL-LEW ALTABRAXTON-ET	USA 64965310						1
	MR AL-LEW BLITZEN 905-ET	USA 64965314						
	MR ALABAMA	840003013721050					C	
	MR ALANA KB 31004-ET	840003126775009						
76HO00703	MR ALL ABOUT IT-ET	USA 72227624						1
	MR ALL FOR IT-ET	USA 72227633						
100HO10981	MR ALLEN OF LEGEND-ET	USA 66982450						
200HO02564	MR ALPHA-ET	USA 63730591						
147HO02451	MR ALPHAGEN DAGON-ET	USA 72127270						
513HO00013	MR ALPHAGEN DALTON-ET	USA 72300835						
	MR ALPHAGEN DARKHERO-ET	USA 73963381						
	MR ALPHAGEN DARKSTAR-ET	USA 73963378						
	MR ALPHAGEN DARTAGNAN-ET	USA 72302311						3
	MR ALPHAGEN DARTH VADER-ET	USA 72406159						
	MR ALPHAGEN DARWIN-ET	USA 72406160						
	MR ALPHAGEN DOMINIC-ET	USA 73963375						
	MR ALPHAGEN DWIGHT-ET	USA 73963368						
	MR ALPHAGEN ELECTRIC-ET	840003013923844						
	MR ALPHAGEN EX MACHINA-ET	840003013177361						3
	MR ALPHAGEN JACUZZI-ET	840003014258931						
	MR ALPHAGEN JAGUAR-ET	840003014334996						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR ALPHAGEN JETLEGEND-ET	840003123886044						
	MR ALPHAGEN JOGGER-ET	840003123600949						
	MR ALPHAGEN JOY DIVISION-ET	840003014258857						
	MR ALPHAGEN JUKEBOX-ET	840003014258848						
	MR ALPHAGEN JULIAN-ET	840003123600962						
	MR ALPHAGEN NEVERLAND-ET	840003123886020						
11HO11539	MR ALTABACALA-ET	840003010354025						
	MR ALTADIESEL-ET	USA 139477698						
11HO11571	MR ALTAHEWN-ET	840003010354239						
11HO11563	MR ALTAHUEGRANT-ET	840003010356498						
11HO11125	MR ALTAISSAC-ET	USA 69921950						
11HO09715	MR ALTAMARKEE-ET	USA 136617239						
11HO10205	MR ALTAMAYHEM-ET	USA 138408026						
11HO09816	MR ALTAMOGUL-ET	USA 137354744						
11HO11570	MR ALTAMONETARY-ET	840003010356378						
11HO10014	MR ALTAOSLO-ET	USA 137639210	C					
	MR ALYCE AJAX-ET	USA 73251224						1
566HO01223	MR ALYCE ALL GONE-ET	USA 73251225						
	MR ALYCE MCCUT 8208-ET	USA 72436755						
	MR ALYCE MCCUT 8209-ET	USA 72436756						
	MR AMALUNA ABSOLUTE-ET	USA 73963473						
	MR AMALUNA ADDICTIVE-ET	USA 73963441						
	MR AMALUNA AMPLIFIER-ET	USA 73963429						
	MR AMALUNA BOMBAY-ET	USA 74414072						
	MR AMALUNA BOUNCER-ET	USA 73963505						
	MR AMALUNA BREAKDANCE-ET	USA 73590549						
	MR AMALUNA COPYWRITE-ET	840003014258917						
	MR AMALUNA DISCLOSURE-ET	USA 73590550						
	MR AMALUNA HANDSOME	USA 74209627						
	MR AMALUNA JAYBIRD-ET	840003123600859						
	MR AMALUNA LONGBOARD-ET	840003014258998						
	MR AMAND LOU P ASET-RED-ET	USA 72182350						
	MR AMANDA AMARILLO-ET	USA 65975034						
200HO09331	MR AMANDA ANGULAR-RED-ET	USA 69882967						
	MR AMANDA EARNHARDT AMES-ET	USA 71744431						
	MR AMANDA ERNHRT AMBLE-ET	USA 71744433						
	MR AMANDA ERNHT ARMOR-PP-ET	USA 71744434						
	MR AMANDA O-T AMPLIFY-ET	USA 71744452						
	MR AMANDAS OHARE ACTOR	USA 73916767						
	MR AMARETTO GW AMNESTY	USA 66631742						1
	MR AMAZEMENT AMAZON-ET	840003129016287						1
	MR AMAZEMENT AVALON-ET	840003129015895						2
534HO00036	MR AMBASSADOR-ETS	840003010356442						
	MR AMERICA CACTUS-ET	840003012559640					C	1
29HO17649	MR AMERICA CANUTO-ET	840003012559676						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR AMERICA CAREY-ET	840003012559755					C	1
	MR AMERICA CASHBOY-ET	840003012559689						1
	MR AMERICA CASTLE-ET	840003012559692						1
	MR AMERICA CATHARSIS-ET	840003012559844					C	
	MR AMERICA CESAR-ET	840003012559672					C	1
29HO17762	MR AMERICA CHACAL-ET	840003012559723					C	1
	MR AMERICA CHICO-ET	840003012559716					C	
147HO02478	MR AMERICA CLASSIC-ET	840003012559799					C	
	MR AMERICA COEXIST-ET	840003012559801					C	1
	MR AMERICA COPENHAGEN-ET	840003012560036					C	
	MR AMERICA DAFFY-ET	840003012559586					C	
147HO02471	MR AMERICA DAFT PUNK-ET	USA 72693311						
	MR AMERICA DAKOTA-ET	840003012559590						
	MR AMERICA DARIO-ET	840003012559610						
	MR AMERICA DELECTABLE-ET	USA 72590263						
	MR AMERICA DELIGHTFUL-ET	USA 72590261		C				
	MR AMERICA DELIRE-ET	840003012559628						
	MR AMERICA DEMINO-ET	840003012559563					C	
	MR AMERICA DEPTFORD-ET	840003012559929					C	
	MR AMERICA DEREK-ET	840003012559591					C	
	MR AMERICA DEXTER-ET	840003012559574						
	MR AMERICA DIAMOND-ET	USA 72590269		C			C	
	MR AMERICA DINO-ET	840003012559603					C	
	MR AMERICA DISTINCTION-ET	USA 72693310					C	
	MR AMERICA DRINK-ET	840003012559663						
	MR AMERICA DUC-ET	840003012559581						
	MR AMERICA EARTHQUAKE-ET	USA 72641539						
29HO17711	MR AMERICA EMPIRE-ET	840003013177260					C	
	MR AMERICA EXCEPTION-ET	840003013177452					C	
29HO17636	MR AMERICA EXPLORER-ET	USA 72641541					C	
29HO17660	MR AMERICA LAS VEGAS-ET	USA 72769273						
	MR AMERICA LIGHTNING-ET	840003013177364						
	MR AMERICA LONDON-ET	USA 72769277					C	1
147HO02459	MR AMERICA MILESTONE-ET	USA 72518592						
147HO02474	MR AMERICA PAGEANT-ET	840003012559703						
	MR AMERICA SANTA FE-ET	840003013177249					C	
	MR AMERICA SATELLITE-ET	USA 72693308						
	MR AMERICA SHOOTING STAR-ET	USA 72693309					C	
	MR AMERICA SNOWBEAST-ET	840003012559899						
	MR AMERICA SUNRISE-ET	USA 72641554						
200HO10188	MR AMERICA SURFER-ET	840003013177238						
200HO10231	MR AMERICA YOUTH-ET	840003013177503					C	
200HO01682	MR AMERY-RED	USA 132415666						
	MR AMIRA COLT 57435-ET	840003010356182						
	MR AMIRA COLT 57436-ET	840003010356183						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR AMIRA COLT 57448-ET	840003010356195						
	MR AMIRA MACK 55356-ET	840003010354103						
	MR AMIRA OAK 15121-ET	840003012574968						
	MR AMMON FARMS JACEY MYSTIC	USA 70968185						
	MR AMMON FARMS MELBOURNE	USA 70968129						
	MR ANAHEIM-RED	840003013721053						
11HO10852	MR ANDIS ALTAEXTREME	USA 66960987						
	MR ANDIS ARMANI ANDRES-ET	840003123686740						1
	MR ANDIS G DIGGER ATLAST-ET	USA 70041648						3
	MR ANDRETTI OF APPLE-ET	840003126918500						
200HO02896	MR ANNAS ALERT-ET	840003010271781						
	MR ANNAS SHAMROCK ALPHA-ET	840003010271778						
	MR ANNAS SUDAN AZORE-ET	840003010271782						
94HO00895	MR ANSLY ADDICTION-P-RED-ET	USA 72128091						1
	MR APPLE A KINGSTON-ET	840003131999846						1
	MR APPLE ADIAS-ET	USA 73251245						
	MR APPLE ALLEGHENY-ET	840003131999870						
	MR APPLE ANDRE-ET	USA 69561885						1
	MR APPLE ANDROID-ET	840003131999871						
	MR APPLE COLT 25029-ET	840003013177537						
	MR APPLE COLT 25030-ET	840003013177263						
	MR APPLE IN DEMAND-RED	840003131999845						
566HO01192	MR APPLE JACK-RED-ET	USA 139330256						
	MR APPLE UNO 15007-ET	840003012574854						
100HO03044	MR APPLE3 ARMBAND-ET	USA 70354820						
99HO06520	MR APPLGATE-RED-ET	USA 139362080						
	MR APPLES A GAME-ET	840003126918486						
100HO11384	MR APPLES ABILITY-ET	USA 68571366						
	MR APPLES ACE-RED-ET	USA 73251234						
100HO11385	MR APPLES ACTION-RED-ET	USA 68571373						
	MR APPLES ADIEL-RED-ET	USA 73251235						
	MR APPLES AIM-ET	USA 73251239						
	MR APPLES AJ-ET	USA 73251242						
94HO00901	MR APPLES AKITO-RED-ET	USA 73251236						
100HO11383	MR APPLES AMISTAD-ET	USA 68571364						
	MR APPLES ANDRIN-ET	USA 73251241						
	MR APPLES ANSON-RED-ET	USA 73251237						
	MR APPLES ANSWER-ET	USA 73251240						
	MR APPLES ANTWAN-RED-ET	USA 73251238						
7HO11703	MR APPLES ARMANI-ET	USA 68571374						1
	MR APPLES ATTRACTION-ET	USA 68571363						
100HO11381	MR APPLES AUDI-ET	USA 68571365						1
	MR APPLES AUTHORITY-ET	USA 72506371						
54HO00510	MR APPLES AVATAR-ET	USA 68571318						
	MR APPLES GOLD	USA 72230173						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR APPLES KB ADIDAS-ET	840003124554014						
179HO00099	MR APPLES MCGUCCI-ET	USA 72353438						
	MR APPLES OAK 1016-ET	840003013177330						
	MR APPLES OAK 1022-ET	840003013923874						
	MR APPLES SHOTGUN-ET	USA 68571317					C	
	MR ARALYN COLT 57295-ET	840003010356042						
	MR ARCADE-ET	USA 70136003						
	MR ARCHIE-ET	USA 140533318						
	MR ARETHA 1403-RED-ET	USA 72128192						1
	MR ARETHA 1404-RED-ET	USA 72128193						
	MR ARETHA DAY 1450-ET	USA 72128239						
	MR ARETHA DAY ASHEN-ET	USA 72127488						1
	MR ARETHA DESTINED 1359-ET	USA 72128148						1
	MR ARETHA DESTINED 1360-ET	USA 72128149						
	MR ARETHA DESTN 1361-RED-ET	USA 72128150						
	MR ARETHA MAYFIELD 1402-ET	USA 72128191						1
	MR ARETHA MCCUT 1424-ET	USA 72128213						1
	MR ARETHA SNOW 1452-ET	USA 72128241			C			
	MR ARETHA SNOW 1457-ET	USA 72128246			C			1
	MR ARIA ASSURE-RED	840003131999877						2
76HO00643	MR ARIEL ARMBAND-ET	USA 140703315						
	MR ARIEL EPIC 1152-ET	USA 71494562						
	MR ARIEL FB 1094-ET	USA 70476932						
	MR ARIEL FB 1095-ET	USA 70476933						
	MR ARIEL FB 1096-ET	USA 70476934						
	MR ARIEL MAYFIELD 1287-ET	USA 71494697						
	MR ARIEL MAYFIELD 1288-ET	USA 71494698						
	MR ARIEL MAYFIELD 1290-ET	USA 71494700						
100HO03036	MR ARIEL MILLIONARIE-ET	USA 141091008		C				
	MR ARIEL MOGUL 1255-ET	USA 71494665						
100HO03040	MR ARIEL OBSRV ABNER-ET	USA 141086154						
100HO03041	MR ARIEL OBSRV ABRAM-ET	USA 141086145						
	MR ARIEL SS 1112-ET	USA 71494522						
100HO11154	MR ARIEL SUPER ARCHER-ET	USA 140680104						
7HO11179	MR ARIEL SUPER ARCHIE-ET	USA 140680092						
	MR ARIEL UNO 1128-ET	USA 71494538						
	MR ARIEL UNO 1151-ET	USA 71494561						
100HO03030	MR ARIELS ABSOLUTE-ET	USA 70476853						
	MR ARIELS SNOW AUGUSTIN-ET	USA 70476867			C			
	MR ARIELS SNOW AUGUSTO-ET	USA 70476873						
	MR ARIWAMI GOLDSN GORDIE-ET	USA 72678283						
	MR ARIWAMI GOLDSUN GREG-ET	USA 72678282						
	MR ARLAYN COLT 55290-ET	840003010354037						
200HO02565	MR ARLO-ET	USA 63730582						
	MR ARMANI DIESEL	840003125141658	C					3

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR ARMITAGE DANE	USA 65975033	C					
44HO00381	MR ARMY-ET	USA 70135994						
100HO03146	MR ARPAC-ET	USA 71031002	C					
100HO03138	MR ARPALY-ET	USA 71031004	C					
100HO03153	MR ARPLANE-ET	USA 71031003	C					
200HO02727	MR ARPS-ET	USA 140533327						
	MR ASTONISH FROM APPLE-ET	840003131999872						
1HO06288	MR ATH-MOR LORD LIL ADD-ET	USA 17357761						
7HO06079	MR ATH-MOR STRBOY ASPIRE-ET	USA 17357767						
11HO10153	MR ATLEES ALTAAMAZING-ET	USA 63164321						
11HO10853	MR ATLEES ALTAANALOG	USA 66960971						
	MR ATLEES ARKIN-ET	USA 66960994					C	
	MR ATLEES AVERY AVON-ET	USA 70974073						
	MR ATLEES GOLD ABRAHAM-ET	USA 65249827						1
	MR ATWOOD BASEBALL-ET	USA 140602445						
	MR ATWOOD BRADLEY-ET	USA 140602472						
	MR ATWOOD BRADY-ET	USA 140602481						
7HO11118	MR ATWOOD BROKAW-ET	USA 140602463						
	MR ATWOOD LEGEND	USA 70684470	C					
	MR AUBREY A 1188-ET	USA 71494598						1
	MR AUBREY A 1195-ET	USA 71494605						1
	MR AUBREY ALCHEMY 1107-ET	USA 71494517						
	MR AUBREY ALCHEMY 1108-ET	USA 71494518						1
	MR AUBREY ALCHEMY 1110-ET	USA 71494520						
	MR AUBREY ALCHEMY 1111-ET	USA 71494521						
	MR AUBREY ALCHEMY 1175-ET	USA 71494585						
	MR AUBREY EPIC 1138-ET	USA 71494548						
	MR AUBREY EPIC 1174-ET	USA 71494584						
	MR AUBREY GC 1119-ET	USA 71494529						
94HO16684	MR AUBREY GC ATTORNEY-ET	USA 70476912						
	MR AUBREY HL 8009-ET	USA 72436556						
	MR AUBREY HL 8028-ET	USA 72436575						
	MR AUBREY LARGE 1227-ET	USA 71494637						
	MR AUBREY MOGUL 1344-ET	USA 72128133						
	MR AUBREY MOGUL 1354-ET	USA 72128143						
	MR AUBREY MOGUL 1358-ET	USA 72128147						
	MR AUBREY MOGUL 1385-ET	USA 72128174						
	MR AUBREY MOGUL 1386-ET	USA 72128175						
7HO11572	MR AUBREY OBSERVER ART-ET	USA 70476856						
	MR AUBREY SPEECH 1123-ET	USA 71494533						
	MR AUBREY SPEECH 1124-ET	USA 71494534						
	MR AUBREY UNO 1131-ET	USA 71494541						
	MR AUBREY UNO 1208-ET	USA 71494618						
44HO00387	MR AUBREYS A-ROCK-ET	USA 70476892						
506HO00701	MR AUBREYS ABEL-ET	USA 70476863						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO11715	MR AUBREYS ARTISTIC-ET	USA 70476864						
	MR AUBREYS ATTRACTION-ET	USA 70476888						
44HO00386	MR AUBREYS AUSTIN-ET	USA 70476862						
	MR AUBREYS GOLD ASSET-ET	USA 70476913						
100HO03031	MR AUBREYS OBS ACTION-ET	USA 70476855						
	MR AUBRY C45 1006-ET	840003013177488						
	MR AUBRY C45 1007-ET	840003013177320						
	MR AUBRY C45 1008-ET	840003013177340						
	MR AUBRY C45 1009-ET	840003013177326						
	MR AUBRY C45 1011-ET	840003013177357						
	MR AUBRY C45 1013-ET	840003013923855						
	MR AUBRY C45 1014-ET	840003013923869						
	MR AUBRY C45 1017-ET	840003013923878						
	MR AUBRY C45 1018-ET	840003013923882						
	MR AUBRY C45 1021-ET	840003013923877						
	MR AUDRINA KB 70882-ET	840003123614671						
7HO12252	MR AUGUSTIN UNO WINDSOCK-ET	USA 72193345						
	MR AURORA HANSEL-ET	840003012584778						1
	MR AURORA MONTROSS 321-ET	840003125191965					C	
	MR AURORA MONTROSS 324-ET	840003125191968					C	
	MR AURORA SPRING 423-ET	840003130829416						
	MR AURORA SPRING 424-ET	840003130829417						
	MR AURORA SPRING 428-ET	840003130829421						
	MR AURORA SPRING 432-ET	840003130829425						
7HO07616	MR AUTUMN-RIDGE JASPER-ET	USA 132256779						
200HO09134	MR AVAS AMAURY-RED-ET	USA 70244514						1
	MR AVAS AMERY-ET	USA 70244515						
	MR AVERILL MCTCHN KID 10084	USA 71891863					C	
	MR AVERILL MERD JONAS 10112	USA 73202600					C	
	MR AVERILL SUPER LOVE	USA 70447427	C				C	
	MR AVERILL SUPERSIRE 10097	USA 71891876						
	MR AYOKA MCCUT 8203-ET	USA 72436750						
1HO10432	MR B MORGAN-ET	USA 140784572						
	MR B&BGENETICS EF DANGER-ET	USA 142641550						
	MR B-CHRIS JABIR GAGE-ET	USA 72619803						
29HO17852	MR BABE JACKAL-ET	840003013923996						
	MR BABE JACKPOT-ET	840003013924018			C			
	MR BABE JUPITER-ET	840003013923994			C			
	MR BABE JURASSIC-ET	840003013923920			C			
	MR BABE METRONOMY-ET	840003013177334					C	
	MR BABE OBLIVION-ET	840003013177436						
	MR BABE PATRIARCH-ET	840003013924086						
	MR BABE PORTISHEAD-ET	840003013177306						3
	MR BABE PUZZLE-ET	840003013177292						
	MR BABE-ET	USA 140580918			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR BABYDOLL ATWOOD GABE	USA 72228940						
	MR BADGER FRITO-ET	USA 69520741						
7HO09831	MR BADGER LOU BRO	USA 64260478						
	MR BADGER SHAMROCK 90042-ET	USA 71494080			C			
515HO00219	MR BALIS TARGET-ET	840003124584745		C				
94HO17775	MR BARBARA BACHELOR	USA 72128297						1
	MR BARBIE CRIMINAL-ET	840003012559908						1
	MR BARBIE JAGWAR-ET	840003013924001						
	MR BARBIE MAGICAL-ET	840003013177362						
	MR BARBWIRE SHEIK-RED	USA 72064285						3
	MR BARRINGTON COIN 55603-ET	840003010354350						1
	MR BARRINTON DOOR 57292-ET	840003010356039						
	MR BARRY-ET	840003012559738						
	MR BASILIA ATWOOD 8411-ET	840003013474497						
	MR BAUER LINK 32009	840003126776014						
566HO01199	MR BAXTER CAMBRIDGE	USA 139383357						
566HO00489	MR BAXTER CHICAGO	USA 139383375						
	MR BAXTER DUBLIN-ET	USA 139209545	C					
	MR BAXTER MORTAL	USA 139279414						
151HO00746	MR BAZAAR 8215-ET	USA 72436762						
	MR BBM DOORMAN BIKINI	840003124629143						
	MR BC DANA BAXTER DUBLIN-ET	USA 139439638						
7HO10643	MR BC DANA PRONTO DWAYNE-ET	USA 139439629						
	MR BEAUTIFUL FLMR 71036-ET	840003123614825						
	MR BEAUTIFUL MON 32317-ET	840003126776322						
	MR BEAUTY MACBETH-ET	840003123600867						
	MR BEAUTY MAJOR LIFT-ET	840003123600928						
14HO04564	MR BEECHWOOD MAX-TW	USA 61273495						
	MR BENSAAEE 1105-ET	USA 71494515						
	MR BENSAAEE 1118-ET	USA 71494528						
	MR BENSAAEE SR 1126-ET	USA 71494536						
	MR BENSAAEE SUPLEX 1473-ET	USA 72128262						
11HO09800	MR BIG-DREAMS ALTACHEETO-ET	USA 137334209						
100HO03039	MR BIKARA OBSERV BALDWIN-ET	USA 141086033						
	MR BIKASA BROCK-ET	USA 70476911						
100HO03037	MR BIKASA OBSERV BARRON-ET	USA 141086284						
	MR BINA EPIC 1205-ET	USA 71494615						
	MR BINA EPIC 1206-ET	USA 71494616						
	MR BIRDIE CAMARO 31166-ET	840003126775171						
	MR BIRDIE DELT 67488-ET	840003123611277						
	MR BIRDIE KB 31010-ET	840003126775015						
	MR BIRDIE KB 31094-ET	840003126775099						
	MR BIRDIE KB 31268-ET	840003126775273						
	MR BIRDIE MG 31060-ET	840003126775065						
	MR BIRDIE MON 31238-ET	840003126775243						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR BLACK DICE-ET	USA 72140205						
	MR BLACK TIGER-ET	USA 73677709		C				
	MR BLACKFIRE LEGGO-RED-ET	840003012982391						
	MR BLADE FLAMER 31521-ET	840003126775526						
	MR BLADIX BOWSER THORN-ET	USA 70084222						
	MR BLADIX BOWSER TOLEDO-ET	USA 70084225						
566HO01256	MR BLND PB SS57453 1809-ET	840003129038184						
202HO01622	MR BLNDN POWERMAN P-ET	840003129038032						
	MR BLNDN SL SS57453 1711-ET	840003129038086						
	MR BLNDN SL SS57453 1728-ET	840003129038103						
	MR BLONDIN BRUTAL-ET	840003133371115						
	MR BLONDIN ESTIMATE-ET	840003133371259						
	MR BLONDIN PICKFISH-RED-ET	840003133371256						1
	MR BLONDIN POWERFUL P-ET	840003135087150						
	MR BLONDIN POWERPACK P-ET	840003135087090						
	MR BLONDIN POWERPIXEL-ET	840003133371345						
	MR BLONDIN PRIZE8477-RED-ET	840003013474563						
	MR BO-IRISH BAY MANDELLE-ET	840003130784858						
	MR BO-IRISH BAYONET MAUI-ET	840003130784856						
	MR BO-IRISH BAYONET MAX-ET	840003130784857						
	MR BO-IRISH GSKBOY MAGIC-ET	USA 73404577						
	MR BO-IRISH HEINZ MAKS-ET	840003130784864						
	MR BO-IRISH HEINZ MARLEY-ET	840003130784862						
11HO09352	MR BO-IRISH REFEREE-ET	USA 135647563						1
	MR BO-IRISH SPARK MANCHILD	840003130784853						
	MR BOGART CADILLAC-ET	840003006989050			C			
	MR BOGART LEAM-ET	USA 69432097						1
7HO10412	MR BOLIVER ENID-ET	USA 139416060	C		C			
	MR BOLIVER IPOD-ET	USA 65588857					C	
7HO08973	MR BOLIVER SILAS-ET	USA 61820349						
54HO00456	MR BOLTON DARWIN-ET	USA 139466355						
506HO00802	MR BOLTON RHODES-ET	USA 65808504						
11HO11499	MR BOMAZ ALTAMEGLO-ET	USA 72615015						
	MR BOMAZ SUPERSIRE 1646-ET	USA 72615022						
	MR BOOKEM 559 MERCEDES P-ET	USA 70690974						
	MR BOOKEM 562 MERCURY P-ET	USA 70690977						1
14HO06989	MR BOOKEM D-RAE-ET	USA 70514165						
	MR BOOKEM DARBY-ET	USA 70514170						
	MR BOOKEM GREATBUST	USA 71652242						
11HO08511	MR BOSSIDE ROMANO	USA 61091515						
	MR BOX-B RDBRST RYAN-RED-ET	USA 73199366		C				1
	MR BOY GENIUS-ET	USA 71494560						
	MR BOYANA ALCHEMY 1106-ET	USA 71494516						
	MR BOYANA ALCHEMY 1109-ET	USA 71494519						
	MR BOYANA DADDY 1345-ET	USA 72128134		C				

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR BOYANA EPIC 1148-ET	USA 71494558						
	MR BOYANA EPIC 1149-ET	USA 71494559						
	MR BOYANA GC BANJO-ET	USA 71494743						
	MR BOYANA HIGH 1173-ET	USA 71494583						
	MR BOYANA MCCUT 8014-ET	USA 72436561						
	MR BOYANA MERIDIAN 1280	USA 71494690						
	MR BOYANA MERIDIAN 1395-ET	USA 72128184						
	MR BOYANA MERIDIAN 1409-ET	USA 72128198						
	MR BOYANA MERIDIAN 1410-ET	USA 72128199						
	MR BOYANA MOGUL 8052-ET	USA 72436599						
	MR BOYANA MOGUL 8069-ET	USA 72436616						
200HO02960	MR BOYANA SCENARIO-ET	USA 71494649						
	MR BOYANA SEQUENCE-ET	USA 71494535						
	MR BOYANA UNO 1411-ET	USA 72128200						
	MR BOYANA UNO 8046-ET	USA 72436593						
	MR BOYANNA BLAST-ET	USA 70476931						
	MR BRANDT-VIEW BUSBY-ET	USA 72162128						
	MR BRANDT-VIEW PEPE-RED-ET	USA 73629410						
	MR BRANDT-VIEW SMACK-ET	USA 72162129						
	MR BRANDTVEW SEAWARD-RED-ET	USA 73629421						
	MR BRANDTVIEW FLAME FUSE-ET	USA 72162137						
	MR BRANDTVIEW MILTON-RED-ET	USA 73629422						
	MR BRANDTVW SILVER SNOWBALL	USA 73629437						
	MR BRANDY BAHA-RED-ET	USA 73251230						
100HO03103	MR BRANDY BROOKS-ET	USA 70476886						
100HO03063	MR BRANDY BUSH-ET	USA 70476865						
	MR BRANDYS BO-FLEX-ET	USA 70476900						
	MR BRANDYS BO-WIND	USA 70476901						
534HO00040	MR BRASH-ET	840003010354192						
	MR BRASILIA AIRNET 4932	USA 70662845						
100HO03024	MR BRASILIA BEN-ET	USA 70476844						
100HO03042	MR BRASILIA BIGBOY-ET	USA 70476846						
100HO03022	MR BRASILIA BRAVE-ET	USA 70476842						
100HO03023	MR BRASILIA BRONX-ET	USA 70476843						
100HO03021	MR BRASILIA BUCKEYE-ET	USA 70476841						
100HO03035	MR BRASILIA DOMAIN BART-ET	USA 141109244						
	MR BRASILIA EPIC 1163-ET	USA 71494573						
100HO03043	MR BRASILIA OBS BLISTER-ET	USA 70476847						
100HO03025	MR BRASILIA OBS BOB-ET	USA 70476845						
	MR BRASILIA SNOW BRISTEL-ET	USA 70476871						
100HO11153	MR BRASILIA SUPER BEAU-ET	USA 140680131						
100HO03027	MR BRASILIAS BIGTIME-ET	USA 70476852						
	MR BREMER BELDEN-ET	USA 69881834						
	MR BREMER BLUFF-ET	USA 69881826						
	MR BREMER BOSSMA-ET	USA 69881829						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR BREMER BOSTON-ET	USA 69881833						
14HO06942	MR BREMER BRI-CHRI SHARK-ET	USA 69881836						
	MR BREMER BUNKER-ET	USA 69881830			C			
7HO09827	MR BREMER FOREST-ET	USA 64582822						
	MR BREMER HILLSTON-ET	USA 64582819						
	MR BREMER LEXUS-ET	USA 64582832						3
200HO02458	MR BREMER LUXURY-ET	USA 64582827		C				
	MR BREMER O-BAYMAN-ET	USA 64582829						
	MR BREMER SULTAN-ET	USA 69881845						1
	MR BREMER TRIXSON-ET	USA 64582838					C	
76HO00641	MR BRIAN-ET	USA 140579116						
	MR BRICHRIS ROLAND GARST-ET	USA 70134894						
	MR BRIGEEN INTEGRAL ABE-ET	840003130398569			C			1
	MR BRIGHT MCCUT 1045	USA 73828408						
	MR BRILLIANT SEVEN-RED-ET	840003013474518						3
	MR BRILLIANT SYMPAT-RED-ET	840003013474454						
	MR BRINLEY CHV 55381-ET	840003010354128						
	MR BRINLEY CHV 55389-ET	840003010354136						
	MR BRINLEY CHV 57870-ET	840003010356617						
	MR BRINLEY CHV 57872-ET	840003010356619						
	MR BRINLEY COIN 57661-ET	840003010356408						
	MR BRINLEY COIN 57720-ET	840003010356467						
	MR BRINLEY JACEY 57705-ET	840003010356452						
	MR BRINLEY JEROD 55330-ET	840003010354077						
	MR BRNDTVIEW FLAME FELIX-ET	USA 72162136						
	MR BRNDTVIEW FLAME FRITZ-ET	USA 72162135						
29HO16868	MR BROCADE BRIANDER-ET	USA 71494591						
	MR BROCADE CAM 1102-ET	USA 71494512						
	MR BROCADE EPIC 1162-ET	USA 71494572						
	MR BROCADE LARGE 1192-ET	USA 71494602						1
	MR BROCADE LARGE 1193-ET	USA 71494603						
	MR BROCADE LARGE 1201-ET	USA 71494611						1
	MR BROCADE MAYFIELD 1285-ET	USA 71494695			C			1
	MR BROCADE MILES 31933	840003126775938						
	MR BROCADE SHOT 1472-ET	USA 72128261						
	MR BROCADE SNOW 1461-ET	USA 72128250						1
	MR BROCADE SNOW 1465-ET	USA 72128254			C			1
	MR BROCADE SNOW 1466-ET	USA 72128255						
	MR BROCADE SS 1113-ET	USA 71494523						1
	MR BROCADE SS 1114-ET	USA 71494524						
	MR BROCADE SS 1115-ET	USA 71494525						1
	MR BROCADE SS 1116-ET	USA 71494526						1
	MR BROCADE UNO 1213-ET	USA 71494623						
	MR BROCADE UNO 1233-ET	USA 71494643						
	MR BROCADE UNO 1234-ET	USA 71494644						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR BROCADE UNO 1238-ET	USA 71494648						1
	MR BROCADE UNO 1286-ET	USA 71494696						1
	MR BROCADE UNO 1294-ET	USA 71494704						
	MR BRODY 63073-TW	840003123606862						
	MR BROEKS LOUIS-ET	USA 70599348						1
	MR BROOKS MAYFIELD 8054-ET	USA 72436601						
	MR BROOKS MAYFIELD 8064-ET	USA 72436611						
	MR BROOKS MCCUTCH 1423-ET	USA 72128212						
	MR BROOKS MCCUTCHEN 1432-ET	USA 72128221						
	MR BROOKS MOGUL 1333-ET	USA 72128122						
	MR BROOKS MOGUL 1431-ET	USA 72128220						
	MR BROOKS MOGUL 8110-ET	USA 72436657						
100HO03203	MR BROWN EYE ALC ASTRO-ET	USA 69948664						1
100HO03202	MR BROWN EYE ALC ATLAS-ET	USA 69948665						
100HO03204	MR BROWN EYE ALC AWARD-ET	USA 69948662						
	MR BROWN EYE MOGUL ATOM-ET	USA 69948666						
	MR BROWN EYE MOGUL AXIS-ET	USA 69948667						
	MR BROWN EYE P ADVANCE-ET	USA 69948661						
100HO03184	MR BROWN EYE S K ACE-ET	USA 69948660						
100HO11527	MR BROWN EYE S K APPEAL-ET	USA 69948659						
100HO03183	MR BROWN EYE S K ASSET-ET	USA 69948658						
	MR BROWN EYE UNO AXEL-ET	USA 69948663						
	MR BROWN FLAME 1063	USA 73899066						
	MR BROWNKING TWISTER-RED-ET	USA 70589175						
	MR BRY 5G 55351-ET	840003010354098						
	MR BRYSCHA JACK 1025	USA 73362317						
	MR BRYSCHA MOGUL 8207-ET	USA 72436754						1
	MR BRYSCHA MOGUL 8214-ET	USA 72436761						1
	MR BRYSHA CASHCOIN 8220-ET	USA 72436767						1
	MR BRYSHA CC 8235-ET	USA 72436782						1
	MR BT SHAWNBOY-RED-ET	840003004385464						
200HO02463	MR BTR BOURNE-ET	840003001326136						3
138HO04155	MR BTR SHOTTLE BURNY RF	840003001031158		C				3
	MR BUCKS-PRIDE DOORMAN J.T.	USA 74451299					C	
	MR BUCKS-PRIDE MALONE TERRY	USA 73662539						
	MR BUDDE BOLTON RETIREMENT	USA 53753791						
	MR BUDJON-JK EVOLUTION-ET	USA 140725795					C	
	MR BULLCREST WPOWER 8167-ET	840003013108604	C					
	MR BULLCREST WPOWER 8172-ET	840003013108609	C					1
	MR BULLS EYE FLM 31601-ET	840003126775606						
	MR BULLSEYE 54326-ET	840003010353073						
	MR BULLSEYE DRCO 70775-ET	840003123614564						1
	MR BULLSEYE ROD 54448-ET	840003010353195						
	MR BULLSEYE ROD 54455-ET	840003010353202						
	MR BULLSEYE ROD 59990-ET	840003010363737						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
94HO00878	MR BURNS MAXWELL-RED-ET	USA 66499597						3
	MR BUSCH-HAVEN DOUG	USA 143199588						
200HO10327	MR BUSYWORK-ET	840003010356384						
	MR BUTLerview OSTYL 1511-ET	USA 72128300						
	MR BUTLerview SNOW 8105-ET	USA 72436652			C			
	MR BUTLerview SNOW 8117-ET	USA 72436664			C			
	MR BUTLerview TJR 15004-ET	840003012574851						
	MR BUTLerview TJR 15005-ET	840003012574852						
	MR BUTLerview UNO 8140-ET	USA 72436687						
	MR BUTLerview LUNA UNO8067-ET	USA 72436614						
	MR BUTLrview AMORETTA1351-ET	USA 72128140						3
	MR BUTZ-HILL KB 31050-ET	840003126775055						
	MR BUTZ-HILL PARADISE PEDAL	USA 142208825						
	MR BUTZHILL SNOWDAY54958-ET	840003010353705						
	MR C-HAVEN DIAMOND ANDRE	840003124591835						
7HO11151	MR C-HAVEN EDEN-ET	USA 68871611					C	
	MR C-HAVEN ELVIS-ET	USA 68871610						
	MR C-HAVEN ENGLAND-ET	USA 69554086						
	MR C-HAVEN ERIC-ET	USA 69554085					C	
	MR C-HAVEN EZEKIEL-ET	USA 69554061					C	
	MR C-HAVEN FRED EVERHART-ET	USA 140985786						
	MR C-HAVEN KLAIR RAY	USA 71242667		C				3
	MR C-HAVEN KOREY-ET	USA 70479517						
	MR C-HAVEN KORY-ET	USA 70479515						
200HO03731	MR C-HAVEN KYLER-ET	USA 68871515						
	MR C-HAVEN LATIMER KEAGIN	USA 72763050						
	MR C-HAVEN MICHAEL KEANU-ET	USA 69056727						
	MR C-HAVEN NR KAZILLION-ET	USA 68871518		C				
	MR C-HAVEN PACON-ET	USA 69554144						
	MR C-HAVEN PARMESH-ET	USA 71242666						
29HO14902	MR C-HAVEN PARTY-ET	USA 68871535						
	MR C-HAVEN PATRON-ET	USA 70479531						
	MR C-HAVEN PAUSE-ET	USA 70479499						
	MR C-HAVEN PEDESTAL-ET	USA 70479532						
	MR C-HAVEN PEEVISH-ET	USA 70479534						
	MR C-HAVEN PETER-ET	USA 70479469						
	MR C-HAVEN PLARE	USA 71242657						
	MR C-HAVEN PROOF-ET	USA 71242649			C			
	MR C-HAVEN SHAMROCK STAMINA	USA 72156365						
600HO01020	MR C-HAVEN SHEM-ET	USA 71242673						
29HO14903	MR C-HAVEN TEDDY	USA 68871579		C				
	MR CA SUPER-ET	USA 72573233						
	MR CALINE SNOW N LOTS-ET	USA 72220636						
	MR CALYPSO MANGO	USA 139336430	C					1
	MR CAMARO 31195-ET	840003126775200						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR CAMEO JUNGLE-ET	840003013923915						
	MR CAMEO JUPITER-ET	840003014334788						
	MR CAMEO PANTHER-ET	840003014258783						
	MR CAMEO PRIME-ET	840003013177344						3
	MR CAMERON 1362-ET	USA 70953155						
	MR CAMERON 1363-ET	USA 70953156						
534HO00050	MR CANDID-ET	USA 74414125						
	MR CAR-MER LQGD BENEDICT-ET	USA 73416551						
	MR CAR-MER LQGLD BENEFIT-ET	USA 73416550						
200HO10385	MR CARDIGAN CADDY-ET	840003124584903						
	MR CARDIGANS JS CHROME-ET	840003129037824						
	MR CARDIGANS JS CONRAD-ET	840003129037829						
	MR CARMY MACK 55658-ET	840003010354405			C			
	MR CARMY MACK 57852-ET	840003010356599			C			
	MR CARMY MACK 57864-ET	840003010356611						
	MR CARRIBEAN-ET	USA 72182252						
	MR CARSON MARKAKIS-RED-ET	840003013495121						
	MR CASCADE IOWA-ET	USA 70354830						
	MR CASE 1026	USA 73362318						
	MR CASHCALL TUFF 31225-ET	840003126775230						
	MR CASHMERE OBS CHET-ET	USA 70594647					C	
	MR CATS EYE-ET	USA 72061553						
	MR CEDAR- HAVEN KASS-ET	USA 69554109						
	MR CEDAR-HAVEN FRAKIE-ET	USA 65997305						
	MR CEDAR-HAVEN K10ORITY-ET	USA 70479516						
7HO10933	MR CEDAR-HAVEN POCKETS-ET	USA 68871543						
	MR CEDAR-HAVEN PRANK-ET	USA 68871565						
	MR CEDAR-HAVEN TOOTLE-ET	USA 68871523						
	MR CENTURIA MASSEY 8279-ET	USA 72436826						
44HO00521	MR CENTURIA UNO 8307-ET	USA 72436854			C			
	MR CG DYNAMIC-ET	USA 66349023						
	MR CHA-LIZ DEFENDER 8352	840003125461584						
	MR CHACHING A 1179-ET	USA 71494589						
	MR CHACHING A 1180-ET	USA 71494590						
200HO02961	MR CHACHING CENTRIC-ET	USA 71494570						
	MR CHACHING UNO 1153-ET	USA 71494563						
	MR CHACHING UNO 1161-ET	USA 71494571						
	MR CHACHING UNO 1165-ET	USA 71494575						
	MR CHAKA 1172-ET	USA 71494582						
	MR CHAKA CALK-ET	USA 70476914						
	MR CHAKA UNO 1182-ET	USA 71494592						
	MR CHAKA UNO 1189-ET	USA 71494599						
7HO08052	MR CHAMPION JACKSON	USA 61321588						
	MR CHARCOAL-ET	USA 143553236						
	MR CHARITY MADEA CAPTAIN-ET	USA 73855673						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR CHARL DOOR 54748-ET	840003010353495						
	MR CHARL OLYM 54616-ET	840003010353363						
	MR CHARLIZE ALCHEMY 8029-ET	USA 72436576						
	MR CHARLIZE ALCHEMY 8031-ET	USA 72436578						
	MR CHARLIZE MOGUL 8080-ET	USA 72436627						
	MR CHARLOTTE DRAC 31609-ET	840003126775614						
200HO02868	MR CHARTROI ELOQUENT-ET	USA 71411740						
200HO02817	MR CHARTROI LAURENTO-ET	USA 70975190			C			1
	MR CHARTROI NIAGRA PABLO-ET	USA 70409881						
	MR CHARTROIS LAVA ENDING-ET	USA 71411741						
	MR CHARTROIS M-O-M PRIDE-ET	USA 70011947						
	MR CHARTROIS M-O-M SWAIN-ET	USA 70011948						
	MR CHARTROIS SNOW ALBINO-ET	USA 71411738			C			
	MR CHARTROIS SNOW ARNOLD-ET	USA 71411736						
	MR CHARTROISE ALEX LUIGI	USA 66050508						
200HO02869	MR CHARTROISE ELDORADO-ET	USA 71411742						1
200HO02899	MR CHARTROISE ENDLESS-ET	USA 71669026						
	MR CHARTROISE FB TWITTER-ET	USA 72477822						
	MR CHARTROISE GC BEAUX-ET	USA 71724861						
76HO00613	MR CHARTROISE GOLD LAUER-ET	USA 66050496						
	MR CHARTROISE LASER-ET	USA 66050529						
	MR CHARTROISE LAVA EMMER-ET	USA 71411743						1
	MR CHARTROISE LEBEAU-TW	USA 70409883			C		C	
	MR CHARTROISE LITLE WARRIOR	USA 71717102						
	MR CHARTROISE LOCOMOTION-ET	USA 66050518						
200HO06286	MR CHARTROISE LOTOCAR-ET	USA 66050571						
	MR CHARTROISE SHOWDN LARIS	USA 72178443						
	MR CHARTROISE SPROUT-RED-ET	USA 70511199	C					
	MR CHARTROISE WB LANCER	USA 71411737						1
	MR CHARTROISE WB SANDOR	USA 71717096						
	MR CHASSITY 8179-ET	USA 72436726						
100HO11131	MR CHASSITY ALX COMMANDO-ET	USA 140364406						
	MR CHASSITY ARM 1092-ET	USA 70476937						
	MR CHASSITY ATWOD COLTEN-ET	USA 70476839						
7HO11117	MR CHASSITY ATWOOD COMET-ET	USA 140538612						
	MR CHASSITY ATWOOD COY-ET	USA 70476857						
14HO07178	MR CHASSITY CADILLAC-ET	USA 70476916						
200HO02757	MR CHASSITY CALLUM-ET	USA 140913945						
200HO02758	MR CHASSITY CARMELO-ET	USA 141007953						
534HO00001	MR CHASSITY CARSON-ET	USA 141007962						
	MR CHASSITY CASCADE 1322-ET	USA 72128111						
200HO02625	MR CHASSITY CHARLIE-ET	USA 140175899						
	MR CHASSITY CHRIS-ET	USA 70476917						
	MR CHASSITY CLASSIC-ET	USA 140893812						
200HO02897	MR CHASSITY CLOCKWISE-ET	USA 70476925						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO09902	MR CHASSITY COACH-ET	USA 140357037						
200HO02641	MR CHASSITY COLBY-ET	USA 140357028						
200HO02759	MR CHASSITY COLOSS-ET	USA 141007935						
534HO00008	MR CHASSITY COLT 45-ET	USA 70476906						
	MR CHASSITY CRUSH-ET	USA 70476909						
100HO11355	MR CHASSITY DOMAIN CADDY-ET	USA 70476840						
100HO11354	MR CHASSITY DOMAIN CHASE-ET	USA 141086190						
	MR CHASSITY EARN 8233-ET	USA 72436780						
	MR CHASSITY EARN 8276-ET	USA 72436823						
	MR CHASSITY EARN 8296-ET	USA 72436843						
	MR CHASSITY EARN 8303-ET	USA 72436850						
182HO00829	MR CHASSITY FB 1086-ET	USA 70476924						
	MR CHASSITY FB 1089-ET	USA 70476927						
	MR CHASSITY FB 1090-ET	USA 70476928						
	MR CHASSITY FB CHATTER-ET	USA 70476926						
	MR CHASSITY FREDI CAGNEY-ET	USA 140913990						
	MR CHASSITY FREDI CALIX-ET	USA 140913954						
	MR CHASSITY FREDI CANNON-ET	USA 140913981						
7HO10921	MR CHASSITY GOLD CALVIN-ET	USA 140175880						1
7HO10920	MR CHASSITY GOLD CHIP-ET	USA 140145553						
76HO00611	MR CHASSITY GW CASINO-ET	USA 68672184						1
	MR CHASSITY HL 8008-ET	USA 72436555						
	MR CHASSITY L COLLEGE-ET	USA 70476902						
	MR CHASSITY MASC 8338-ET	USA 72436885						
	MR CHASSITY MASC 8340-ET	USA 72436887						
	MR CHASSITY MASC 8348-ET	USA 72436895						
	MR CHASSITY MAY 1340-ET	USA 72128129						
100HO11091	MR CHASSITY MILL CONNOR-ET	USA 140357019						
	MR CHASSITY MOGUL 1260-ET	USA 71494670						
	MR CHASSITY MOGUL 1265-ET	USA 71494675						
	MR CHASSITY MOGUL 1271-ET	USA 71494681						
7HO11412	MR CHASSITY MOMAN CLARTA-ET	USA 141008235						
	MR CHASSITY MSCLSE 8323-ET	USA 72436870						
7HO11484	MR CHASSITY OBS CHESTER-ET	USA 141007971						
	MR CHASSITY OBS CHRISTOF-ET	USA 141007980						
7HO11483	MR CHASSITY OBS CICERO-ET	USA 141007999						
	MR CHASSITY OBSRV CARVER-ET	USA 141007944						
	MR CHASSITY PISTOL-ET	USA 70476908						
	MR CHASSITY PRED 1015-ET	840003013923870						
	MR CHASSITY SUP CRAWFORD-ET	USA 141008244						
	MR CHASSITY UNO 1293-ET	USA 71494703						
	MR CHASSITY UNO 1298-ET	USA 71494708						
	MR CHASSITY UNO CLICK-ET	USA 72127452						
91HO05513	MR CHASSITYS CAMELOT	USA 142160978						
200HO04626	MR CHESTNUT-HYLL JACKMAN	USA 129222792						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR CHEV SATIN 1061	USA 73899064						
	MR CHIPPER SAMSON-RED-ET	USA 72901247						
	MR CHOICE MASSEY 8230-ET	USA 72436777						
	MR CHRISTA SR 1312-ET	USA 72128101						
	MR CHRTROIS SANCHEZ LEGO-ET	USA 66050539					C	
	MR CITY LIMIT-ET	USA 143553227						
	MR CJD SUPERSIRE KENNY	USA 72330475						1
100HO11549	MR CLARISA MOGUL 1230-ET	USA 71494640						
	MR CLARK CARL-ET	USA 141611202						
	MR CLARK CARROL-ET	USA 141611190						
	MR CLAYTONCREST BULLET-ET	USA 70621795						
	MR CLAYTOP SLIPKNOT-ET	USA 141537762						
	MR CO-VISTA BRONO LARRY-ET	USA 72350231						
	MR CO-VISTA FCEBOOK EMBASSY	USA 72350218						
	MR CO-VISTA HEDLNR LYMAN-ET	USA 71917237						
	MR CO-VISTA KRISTOFF LEN-ET	USA 71917244						
	MR CO-VISTA KRISTOFF LES-ET	USA 71917248						
	MR CO-VISTA KRISTOFF LEX-ET	USA 71917245						
	MR CO-VISTA SPRSIRE LUKE-ET	USA 71917226						
151HO00730	MR COIN DANIEL 15003-ET	840003012574850						1
151HO00698	MR COIN DRACO 15006-ET	840003012574853						1
151HO01608	MR COIN LIMITED 57552-ET	840003010356299						1
	MR COLD BO-ET	USA 140732593						
7HO10133	MR COLD MCNALLY	USA 138595025						
	MR COLT 45 MAGNUM-RED-ET	840003013495100						
151HO00768	MR COLT DRAKE P 8507-ET	840003013474593						
	MR COLT-P TOY BOY	USA 69882954						
	MR COMFORT OHARE IMPACT-RED	USA 73276767						
29HO10444	MR CONVINCER JESKE-ET	USA 128794665						
	MR CORONA 32017	840003126776022						
200HO06206	MR COUGAR	USA 140107221						1
	MR COVERGIRL LITH 57760-ET	840003010356507						
534HO00055	MR COWBOY-ET	USA 74599786						
100HO03211	MR CRANCHILL MOGUL DANCO-ET	USA 142154238						
100HO03210	MR CRANEHILL MOGL DEVOTE-ET	USA 72220339						
	MR CRAZY NIGHT 54538-ET	840003010353285						
	MR CREEK PRONT ALFORD	USA 53579604						3
11HO09682	MR CRESCENTMEAD ALTALOU-ET	USA 135999482	C					1
11HO09654	MR CRESCENTMEAD ALTAPLUS-ET	USA 136390080						
6HO01036	MR CRESCENTMEAD ARROW-ET	USA 136390071						
	MR CRESCENTMEAD AVATAR	USA 141255114						
54HO00408	MR CRESCENTMEAD FL ATTITUDE	USA 136984250						
	MR CRESCENTMEAD HAL-ET	USA 2254743						
200HO02415	MR CRESCENTMEAD LIMO	USA 138934729			C			
29HO13108	MR CRESCENTMEAD LODI-ET	USA 136190710						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO08676	MR CRESCENTMEAD LUCAS-ET	USA 135622274	C					
7HO09344	MR CRESCENTMEAD LUNDY-ET	USA 137075108						3
	MR CRESCENTMEAD SAN ANDY-ET	USA 140192171						
	MR CREST-VIEW-ACRES SILVER	USA 69966919						
	MR CRIMSON TIDE-ET	USA 69561874						
504HO04023	MR CRMSNPRDE ROXSTAR-RED-ET	USA 66383542						3
	MR CROCKETT-AC BROADMOOR-ET	USA 141152354						
	MR CROCKETT-ACRES BANFF-ET	USA 143518886						
	MR CROCKETT-ACRES BB-RED-ET	USA 143380496						1
	MR CROCKETT-ACRES BEN-ET	USA 143380441						
	MR CROCKETT-ACRES BENNY-TW	USA 143348236						
	MR CROCKETT-ACRES BIG D-ET	USA 143554648						
	MR CROCKETT-ACRES BJ-RED-ET	USA 143380487						
	MR CROCKETT-ACRES BLAKE-ET	USA 142601244						
	MR CROCKETT-ACRES BO-RED-ET	USA 143380450						1
	MR CROCKETT-ACRES BOI-ET	USA 143380469						1
	MR CROCKETT-ACRES BONO-ET	USA 141828923						
	MR CROCKETT-ACRES BRAUN-ET	USA 143557388						
54HO00543	MR CROCKETT-ACRES BROCK-ET	USA 140635364					C	
	MR CROCKETT-ACRES BUBLE-ET	USA 141828941						
54HO00707	MR CROCKETT-ACRES BURBON-ET	USA 141469029						
	MR CROCKETT-ACRES JONDAV-ET	USA 141467380						
54HO00404	MR CROCKETTACRES MAURICE-ET	USA 136011257						
	MR CROCKETTE-AC BORDEAUX-ET	USA 141658609						
	MR CRUSH-ET	USA 72377549		C				
	MR CUPERUS SUPR FREEZE-ET	USA 68780904						3
	MR CUTTING EDGE-ET	USA 139376045						
	MR CYCLE APOCALYPTICA-ET	USA 70406256						
94HO16395	MR CYCLE GOLDSTAR-ET	USA 70406255						
	MR D APPLE DERRINGER-RED	840003131999847						
7HO12587	MR D APPLE DIAMONDBACK	840003013721049						
	MR D APPLE DRUCKER	USA 69561878						
14HO02053	MR D-L BELLMAN BUSTER	USA 2174955						
	MR DA-SO-BURN RAMOS BARBER	USA 66173399						
	MR DAFT PUNK-ET	USA 72282543						
	MR DAILY MAIL-ET	USA 68711472	C					
	MR DAIQUIRI EMBASS 55587-ET	840003010354334						
	MR DAIQUIRI KANU 55668-ET	840003010354415						
7HO09825	MR DAMION MAURIE-ET	USA 138367989						
200HO06205	MR DAMOCLES-ET	USA 140108192						3
	MR DANAS AVERY DALLAS-ET	USA 71152306						
	MR DANAS AVERY DERBY-ET	USA 71152307		C				1
	MR DANAS KRAMER DOVER-ET	USA 71152308		C	C			
	MR DANAS SHAMROCK DALLAS-ET	USA 71152309		C				
	MR DANGIE PZ MCCUTCHEN GOLD	USA 71613117						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR DANGIE PZ SYMPTC CAMERON	USA 71613118						
14HO07802	MR DANIELLE DEVOUR-ET	USA 72713024						
	MR DANNYBOY-ET	USA 72810611						
	MR DANTE 71019-ET	840003123614808						
	MR DAREDEVIL-ET	USA 72265397						3
	MR DARLING CLASS 31118-ET	840003126775123					C	
	MR DARLING CLASS 31126-ET	840003126775131			C			
	MR DARLING COIN 18183-ET	840003123886034			C			1
	MR DARLING DEFEN 57862-ET	840003010356609			C		C	
	MR DARLING DEFEND 18184-ET	840003124584798			C			
	MR DARLING DEFEND 18187-ET	840003124584757			C			
	MR DARLING FLAME 55588-ET	840003010354335						
	MR DARLING FLAME 55597-ET	840003010354344						
288HO00167	MR DARLING FLAME 57799-ET	840003010356546					C	
	MR DARLING PRED 1037	USA 142776087						3
	MR DARLING SHOT 31283-ET	840003126775288			C		C	
	MR DARLING SHOT 31302-ET	840003126775307			C		C	
	MR DARLING TANGO 57756-ET	840003010356503			C		C	
	MR DARLING UNO 8495-ET	840003013474581						
	MR DARWIN-ET	USA 72171915						
	MR DAVID BOWIE-ET	USA 72171914						
203HO01469	MR DAY DEARING 1445-ET	USA 72128234						
	MR DAY DONATRY-ET	USA 72761873		C				
	MR DAY DONNBOYS-ET	USA 72761874		C				
200HO03993	MR DAYA DAYDREAM-ET	USA 72282548						
151HO00687	MR DAYTIME 1447-ET	USA 72128236						
	MR DDS DAQURI CHEV 55545-ET	840003010354292						
	MR DDS HOPE MACK 54271-ET	840003010353018					C	
	MR DDS HUE DIA 18136-ET	840003014334964			C			
	MR DDS HUE PRED 18138-ET	840003014258955						3
151HO03059	MR DDS MACK NIKE 57623-ET	840003010356370						3
151HO03130	MR DDS MEGA-WATT-ET	840003010365126						
	MR DDS METRO ROD 54366-ET	840003010353113					C	
	MR DDS METRONOMY 54580-ET	840003010353327						
151HO03246	MR DDS MT HONDO 54778-ET	840003010353525						
	MR DDS NICOLE POWER57300-ET	840003010356047	C					2
	MR DDS NIKOLE BAL 18165-ET	840003124584739						1
	MR DDS NIKOLE BAL 18168-ET	840003123886106						
	MR DDS NIKOLE BALISTO 55735	840003010354482						
	MR DDS NIKOLE DOLO 25023-ET	840003013177527						
	MR DDS NIKOLE DOLO 25026-ET	840003013177519						1
	MR DDS NIKOLE DOLO 25031-ET	840003013177495						
	MR DDS NIKOLE DOLO 25034-ET	840003013177299						
	MR DDS NIKOLE TOP 15115-ET	840003012574962						
	MR DDS NIKOLE WP 57503-ET	840003010356250						2

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR DDS NIKOLE WP 57510-ET	840003010356257						1
151HO03206	MR DDS RUBI-HAZE 54682-ET	840003010353429					C	
	MR DE-SU 11152-ET	USA 70625904						
	MR DE-SU 637-ET	USA 68656218						
	MR DE-SU 638-ET	USA 68656219						
	MR DE-SU 9315-ET	USA 66756392						
	MR DE-SU GOLDEN 12286	USA 72851829						
	MR DE-SU GUSTAVO-ET	USA 68656306						
29HO14921	MR DE-SU RAPPORT-ET	USA 68656220						
7HO10985	MR DE-SU ROBOTIC 641-ET	USA 68656222						
	MR DE-SU THATCHER-ET	USA 66636653				C		
	MR DEB AFTERSHOCK 1454	USA 72128243						
	MR DEB SID DIAMOND-ET	USA 72226268						
	MR DEB SID DICKERSON-ET	USA 72226265						
	MR DEBOER MOGUL CULT	USA 58903951					C	
	MR DECEIVER 31689-ET	840003126775694						
	MR DEERUFF GORG RICKY-ET	USA 139815654						1
	MR DEERUFF GORG ROCK-ET	USA 139815663						
	MR DEERUFF GORG ROCKSTAR-ET	USA 139815627						1
	MR DEERUFF GORG ROCKY-ET	USA 139815645						1
200HO06151	MR DEERUFF RUDY-ET	USA 139815636						1
	MR DEJA VU-ET	USA 72350238						
	MR DEL-HOLLOW ABSOLT-RED-ET	USA 142647332						
	MR DELANEY MG 31080-ET	840003126775085						
	MR DELICIOUS 1ST 31188-ET	840003126775193						
	MR DELICIOUS CLASS 31196-ET	840003126775201						
	MR DELICIOUS CLASS 31200-ET	840003126775205						
203HO03076	MR DELICIOUS DASH 55313-ET	840003010354060						
	MR DELICIOUS DAY 1446-ET	USA 72128235						
	MR DELICIOUS DAY 1448-ET	USA 72128237						
	MR DELICIOUS JACK 31505-ET	840003126775510						
	MR DELICIOUS KB 54937-ET	840003010353684						
	MR DELICIOUS LINK 71021-ET	840003123614810						
200HO10034	MR DELICIOUS LIONEL-ET	USA 72128194						
	MR DELICIOUS MOGUL 1449-ET	USA 72128238						
	MR DELICIOUS MOGUL 1451-ET	USA 72128240						
	MR DELICIOUS NOM 60026-ET	840003010363773						
	MR DELICIOUS OTIME DUKE-ET	USA 73668866		C				
203HO03281	MR DELICIOUS REF 54400-ET	840003010353147						
	MR DELICJACK 31382-ET	840003126775387						
	MR DELICJACK 31397-ET	840003126775402						
	MR DELICJACK 31408-ET	840003126775413						
	MR DELICOUS MCCUT 1406-ET	USA 72128195						
151HO03230	MR DELICOUS SILVERBULIT-ET	840003126775524						
151HO03217	MR DELICOUSE STUD 31564-ET	840003126775569						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR DELTA 31937	840003126775942						
	MR DELTA-ET	USA 136779193						
203HO03296	MR DELTA-XCEL 1349-ET	840003127617182						
203HO03297	MR DELTA-XPRESS 1355-ET	840003128641088						
203HO03295	MR DELTA-XTRA 1344-ET	840003127617177						
	MR DEMPSEY GRIGGS	USA 142028568						
	MR DEN-BARB ALEX-ET	USA 17390098						
200HO04072	MR DEN-BARB FELDER ALLEY-ET	USA 17250560	C					
	MR DERANO 54283-ET	840003010353030						
7HO07746	MR DERRY PROMOTION	USA 133114821			C			
	MR DESIRE CASCADE 1320-ET	USA 72128109						
7HO10345	MR DESTINED	USA 65480457						
7HO09986	MR DESTINY	USA 138942836						3
	MR DESTINY M-O-M MADDOCK-ET	USA 69468802						
	MR DESTINY PETRONE DYNAMIC	840003014259156						
	MR DEVIANT-ET	USA 70807851						
7HO06570	MR DEVON-ET	USA 125974080						
	MR DG TM KINGBOY BARLEY-ET	USA 73508045						
	MR DG-TM BENTLEY-ET	USA 73508040						
	MR DG-TM EVENT BLAZE-ET	USA 73508050						
94HO18095	MR DG-TM KING BAILEY-ET	USA 73508043						
	MR DG-TM PB BARCLAY-ET	840003128162368						
	MR DG-TM PB BERKELEY-ET	840003128162367						
	MR DG-TM SILVER BULLION-ET	840003128162347						
	MR DG-TM TROY BARRON-ET	USA 73508054						
203HO03044	MR DIAMOND LARZ 18016-ET	840003014258901					C	
200HO02332	MR DIAMOND-VU BESNER-ET	USA 138459219						1
	MR DICTATOR-ET	USA 72300840						
200HO00504	MR DIGNIFIED-ET	USA 138577340						
	MR DIGNITY	USA 140694141						
	MR DINTYS DASKER-ET	USA 64821564						
	MR DOCTOR-ET	USA 138942818						
200HO05999	MR DODGER-ET	USA 139383302						3
54HO04027	MR DOMAIN DUKE-ET	USA 140988622						
	MR DOMAIN EVAN	USA 141961576						
	MR DOMAIN IMPRESS-ET	USA 70189533						
	MR DOMAIN IMPRINT 44-ET	USA 68861190						
203HO01268	MR DOMAIN INCHARGE 45-ET	USA 68861191						
	MR DOMAIN INDEED 77-ET	USA 70189519						
	MR DOMAIN SIEGFRIED RAY-ET	USA 70316540						
	MR DOMAIN SPEED RAY-ET	USA 70316544						
	MR DOMAIN STANE-ET	USA 70240194						
	MR DOMAIN STING RAY-ET	USA 70316345						
	MR DOMAIN SUGAR RAY-ET	USA 70316493						
	MR DOMAIN SUPERSONIC-ET	840003006989410					C	

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR DON CABALLERO-ET	USA 72246258						
	MR DONALD-ET	USA 72761875						
147HO02463	MR DONALYNN DARK KING-ET	USA 72693301		C				
	MR DONALYNN DAZZLE-ET	USA 72499111						
	MR DONALYNN HALL OF FAME-ET	USA 72512984						
	MR DONALYNN MASTERPIECE-ET	USA 72538326		C				
	MR DONALYNN MASTODON-ET	USA 72518590		C				
147HO02460	MR DONALYNN MILLENNIUM-ET	USA 72518591						
	MR DONALYNN MINOTAUR-ET	USA 72531286						
	MR DONALYNN PASSION PIT-ET	USA 72518589						
	MR DONOVAN-ET	USA 72776304		C				
	MR DOORMAN ANTHIUS-ET	840003013177268						
7HO12429	MR DOORMAN MILNER-ET	840003013495086						
	MR DOORMAN THRILLER	USA 143215158						
	MR DOUM-ET	USA 72810612		C				
	MR DOWNTOEARTH HASHTAG-ET	USA 72198162						
151HO03269	MR DRACO BATTLE 67469-ET	840003123611258						1
	MR DRACO CHRLT 31488-ET	840003126775493						
	MR DRAMA COLT 57299-RED-ET	840003010356046						1
	MR DREAMCATCHER-ET	USA 72302312						
21HO01740	MR DREAMLAND ROTATE DUKE-ET	USA 2057406	C		C			
	MR DREAMLAND-ET	USA 72171890			C			
	MR DREAMSHOT 15026	840003012574873						
21HO01257	MR DREAMSTREET MARK EVIE-ET	USA 2026495						
	MR DREAMY DYNASTY-ET	USA 143207377						
	MR DREARY DANCEFLOOR-ET	USA 72364653						
	MR DREARY DARTAGNAN-ET	USA 72406157						
	MR DREARY DEEJAY-ET	USA 72302314						
29HO17558	MR DREARY DIABLO-ET	USA 72425839						
	MR DREARY DISCOVERY-ET	USA 72325480						
	MR DREARY DRAGONFLY-ET	USA 72282544						
	MR DREARY DRAKKAR-ET	USA 72406162						
	MR DREARY DREAMAKER-ET	USA 72425841						
	MR DREARY DRUMROLL-ET	USA 72282539						
	MR DREARY DRYDEN-ET	USA 72186529						
	MR DREARY HANDSOME-ET	USA 72641551						
	MR DREARY HERCULES-ET	USA 72499110						
	MR DREARY KARKWA-ET	USA 72451545						
	MR DREARY MOONKING-ET	USA 72518585						
513HO00016	MR DREARY XY-ET	USA 72451544						
	MR DREARYS DRIZZLE-ET	USA 72171888						
	MR DREARYS DRUMBEAT-ET	USA 72171889						
	MR DROPS TUFFN 31240-ET	840003126775245						
	MR DUCATI LARRY-RED-ET	USA 143091170						
94HO14652	MR DUNDEE HAWK-ET	USA 139717107						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO13874	MR DUNPHY-ET	USA 63238380						
94HO13635	MR DURCHAN DESTIN-ET	USA 63123660						1
	MR DURCHAN DIGITAL-ET	USA 64096160						
94HO13636	MR DURCHAN SSTOM CLIMATE-ET	USA 64096181						1
	MR DURCHAN VIBE-ET	USA 63123656						
	MR DWIBET NUMERO UNO DIESEL	USA 73668883		C				
200HO03982	MR DYMENTHOLM SUNV SIMON-ET	USA 71661939			C			
	MR E-DONK BELAIR BEAST-ET	840003012901832						
151HO00688	MR EARN ABBOTT 15016-ET	840003012574863						1
	MR EARNHARDT FIRE-ET	USA 72278443						
	MR EARNHARDT FLAME-ET	USA 72278439						
29HO14747	MR EARNIT IMPROVISE-ET	USA 65588880						
7HO10261	MR EBAY-ET	USA 138896863						
	MR ECHO MONT 54966-ET	840003010353713						
	MR ECHO ROD 54447-ET	840003010353194						
	MR ECHOWOOD BRONO 1042-ET	USA 72739033						
	MR EDEN-ET	USA 139376027						
	MR EDG 762 5G 54656-ETS	840003010353403						
	MR EDG 762 5G 54657-ETS	840003010353404						
	MR EDG BORB DEDUC 55557-ET	840003010354304						
	MR EDG BRSCHA JACY 57734-ET	840003010356481						1
	MR EDG BRYSCHA JCY 57606-ET	840003010356353						
	MR EDG BRYSCHA MCCUT8425-ET	840003013474511						1
	MR EDG BRYSHA JCKMN 8475-ET	840003013474561						
151HO03257	MR EDG DELTA-THETA 31036-ET	840003126775041						
203HO03029	MR EDG JACEY TEO 57316-ET	840003010356063						
203HO03031	MR EDG JACEY TYE 57337-ET	840003010356084						
	MR EDG JAMMING 57554-ET	840003010356301						
	MR EDG LIN RACER 944-ET	840003126668034						
	MR EDG MINI OAK 15116-ET	840003012574963						1
	MR EDG PRISTN COLT 25032-ET	840003013177494						
	MR EDG PRISTN DOOR 25039-ET	840003013923853						
	MR EDG PRISTN MISSY COLT-ET	840003013177319						
	MR EDG PRISTNE C45 18107-ET	840003014258756						
	MR EDG PRISTNE C45 18108-ET	840003014258899						
	MR EDG PRISTNE C45 18109-ET	840003014258767						
	MR EDG PRISTNE C45 18111-ET	840003014258919						
	MR EDG PRISTNE C45 18112-ET	840003014258926						
	MR EDG PRSTN TANGO 57614-ET	840003010356361		C				
	MR EDG PRSTNE PRED 18098-ET	840003014258791						
	MR EDG SEXY CAS 57396-ET	840003010356143						
	MR EDG SEXY CASUAL 57410-ET	840003010356157						
	MR EDG SQUARE MINI 57343-ET	840003010356090						
	MR EDG SQUARE WP 55402-ET	840003010354149	C					
	MR EDG TRAC COLT 45 8458-ET	840003013474544						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR EDG TRAC COLT 57439-ET	840003010356186						
	MR EDG TRAC COLT 57447-ET	840003010356194						
	MR EDG TRAC KRUNCH 25046-ET	840003013923954						
	MR EDG TRAC TANGO 57592-ET	840003010356339		C				
	MR EDGE RODG 60097-ET	840003010363844						
	MR EFFY ERSP 70950-ET	840003123614739					C	
200HO05473	MR EGAN-ET	USA 136404884	C					
	MR EHRHARDT STERLING SILVER	USA 72300447						
	MR EHRHARDT SUPERLATIVE-ET	USA 72300446						
7HO10746	MR EINSTEIN-ET	USA 139530674						
7HO07583	MR ELAND WIN SELECTION	USA 132522463			C			
200HO02454	MR ELBO-ET	USA 138896948						
29HO13542	MR ELDRED-ET	USA 137422393						1
29HO13024	MR ELECTION-ET	USA 135662786						1
183HO02017	MR ELFAX-ET	USA 138896872						
	MR ELIORA PERFECTION-ET	840003124584937						
200HO02183	MR ELITE-ET	USA 137290486					C	
11HO08441	MR ELLIPTIC-ET	USA 135467121						
29HO13849	MR ELLISON	USA 138387068					C	
	MR ELMER-ET	USA 136612850	C					1
	MR ELPASO-ET	USA 139740615						
7HO07991	MR ELTA	USA 133575697						
	MR EMERLING SUPER FONZO-ET	USA 66677257						
	MR EMILION-ET	USA 140065651						
	MR EMILY 007-ET	USA 72466535						
	MR EMILY BATMAN-ET	USA 72466536						
183HO02183	MR EMILY BOUNCER-ET	840003013177322					C	
	MR EMILY EAGLE-ET	USA 72693296						
	MR EMILY ECSTATIC-ET	USA 72364655						
	MR EMILY EINSTEIN-ET	USA 71994203						
	MR EMILY ELDORADO-ET	USA 71994198						
	MR EMILY ELEGANT-ET	USA 72182247						
	MR EMILY ELEPHANT-ET	USA 72374000		C				
	MR EMILY ELITE-ET	USA 72377550						
	MR EMILY EMERSON-ET	USA 72693294						
183HO02175	MR EMILY EMPEROR-ET	USA 72127271						
	MR EMILY ENNIS-ET	USA 72300838						
	MR EMILY EPPENDORF-ET	USA 71994204						
	MR EMILY ETERNAL-ET	USA 72641538						
	MR EMILY EXCENTRIS-ET	USA 72641543						
147HO02461	MR EMILY EXPLODING STAR-ET	USA 72641548						
	MR EMILY JOKER-ET	USA 72466537						
	MR EMILY MANCHESTER-ET	USA 72590259						
	MR EMILY PHOENIX-ET	USA 72451551						
	MR EMILY ROLLING STONES-ET	USA 72512987						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR EMILY SEA LION-ET	USA 72531288						
	MR EMILY SEA MONSTER-ET	USA 72531289						
	MR EMILY SEA SNAKE-ET	USA 72538327						
	MR EMILY SHAME-ET	840003012559594						
138HO03327	MR EMU-ET	USA 135467112			C			
151HO00764	MR ENF DOMINATE 57416-ET	840003010356163						
	MR ESKDALE ADDICT-RED-ET	840003128590806						1
7HO12843	MR ESKDALE ARCHANGEL-RED-ET	840003128590796						
	MR ESKDALE BELUGA ACTION-ET	USA 73361014						
	MR ESKDALE DESTINE ARK-ET	USA 73182915						
	MR ESKDALE GOLD ATHENS-ET	USA 73182909						
	MR ESKDALE GOLD-RED-ET	840003128590801						
	MR ESKDALE HINENI	840003128590802						
	MR ESKDALE MALACHI	840003128590813						
	MR ESKDALE MALAK-ET	840003128590803						
	MR ESKDALE RAVEN-ET	840003128590794						
14HO07765	MR ESKDALE ROSS-RED-ET	840003128590793						
	MR ESKDALE WILLPOWER AXON	USA 73361015						1
	MR ESKDL INCINERATOR-RED-ET	USA 139459940		C				3
138HO03751	MR ESQUIRE-ET	USA 137290431	C				C	
	MR EVENING-P-ET	USA 74414081						
	MR EVER-GREEN-VIEW 7569-ET	USA 143504438						
	MR EVER-GREEN-VIEW AARIC-ET	USA 74201853						
	MR EVER-GREEN-VIEW DRAMA	USA 72332692						
	MR EVER-GREEN-VIEW LANG	USA 72773392			C			
	MR EVER-GREEN-VIEW MB-ET	USA 140558438						
	MR EVER-GREEN-VIEW TANG-ET	USA 73677696		C				
7HO08411	MR EVEREADY-ET	USA 135330638						
11HO11470	MR EVERGREENVIEW ALTADAY-ET	USA 72332709						
	MR EVERGRENVIEW APPRAISE-ET	USA 73677724						3
	MR EVERGRENVIEW TARANULA-ET	USA 74201823						
	MR EVG SURTHING-ET	USA 74201903						
	MR EX-ET	USA 140953840	C					
566HO06729	MR EXAGGERATE-ET	USA 139264542						
200HO02665	MR EXODUS-ET	USA 140232150						
	MR EXPLODE 2217-ET	840003010225814						
	MR EXTRAVAGANZA-ET	USA 72384720						
513HO00015	MR EYE OF THE TIGER-ET	USA 72406161						
	MR EZRO-ET	USA 139725483						
	MR FARNEAR ALRIGHT 1981-ET	USA 72596756						
	MR FARNEAR ANDERSON 1784	USA 71088747			C			
	MR FARNEAR BROCADE BRISK-ET	USA 70476891						1
	MR FARNEAR BROCADES BOSS-ET	USA 70476890						1
100HO03090	MR FARNEAR BROCADES BUZZ-ET	USA 70476889						
	MR FARNEAR BUTZHILL RUBY-ET	840003010363889						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR FARNEAR DOMINIK-ET	840003125585570		C				
	MR FARNEAR FLAMER 266	840003125993725						
	MR FARNEAR GABRILLIE 121-ET	840003125993580						
151HO03155	MR FARNEAR IMPULSE-P-ET	USA 72596773						
	MR FARNEAR JACEY 1959-ET	USA 72596734						
151HO00714	MR FARNEAR MCC FINN 1824-ET	USA 72596599						
200HO03994	MR FARNEAR MESMER-ET	USA 71088718						
	MR FARNEAR OHARE 120	840003125993579	C		C			
151HO03143	MR FARNEAR PACER 54337-ET	840003010353084						
	MR FARNEAR PRS FLM 57953-ET	840003010356700						
	MR FARNEAR PRS FLM 57957-ET	840003010356704						
	MR FARNEAR RUBICON 262	840003125993721						
	MR FARNEAR SILVER 255-ET	840003125993714						
203HO03080	MR FARNEAR SKIPPER 1941-ET	USA 72596716						
	MR FARNEAR SUPER PAPA-ET	USA 68571330						
29HO16129	MR FARNEAR SUPER PUNCH-ET	USA 68571328						
	MR FARNEAR SUPER PUNT-ET	USA 68571329						
	MR FARNEAR SUPERSIRE1751-ET	USA 71088714						
	MR FARNEAR SUPERSIRE1761-ET	USA 71088724						
	MR FARNEAR SUPERSIRE1762-ET	USA 71088725						
	MR FARNEAR SUPERSIRE1768-ET	USA 71088731						
	MR FARNEAR SUPERSIRE1772-ET	USA 71088735						
	MR FARNEAR SUPERSIRE1776-ET	USA 71088739						
	MR FAVREAUTIERE MEGASTAR-ET	840003124584905						
	MR FDB COLT P FAVORITE	USA 70684487						
100HO11283	MR FDB JASPER LUCKY	USA 66832564						
	MR FDB REDBURST FOXY-RED-ET	USA 71909702		C				1
7HO11285	MR FDB SANCHEZ FAVOR	USA 66832573						
100HO11143	MR FDB SHOTTLE APPLE-ET	USA 69501997					C	1
	MR FLAMER 31546-ET	840003126775551						
	MR FLAT-TOP FH DORMAN-ET	USA 68662730						
	MR FLAT-TOP FH FRANCISCO-ET	USA 68662719						
	MR FLAVIO-ET	USA 132399797	C					
	MR FLOWER-BROOK DIMD LEE-ET	USA 72216408			C			
	MR FLOWER-BROOK DRMN LEO-ET	USA 72216420						
7HO07593	MR FOF FRONTGATE-ET	USA 131471399						
29HO00850	MR FOF RBNS FONTAINE-RED-ET	USA 132553009						
	MR FORT JL SSHOT PEACE OUT	840003131016983						
	MR FORTUNE ANATOLI-ET	USA 139290455	C					
	MR FORTUNE ANDREAS-ET	USA 65724156						
	MR FOUNDATION	USA 66858648						1
14HO06897	MR FOUR-HILLS DOM AMMO-ET	USA 69415997						
	MR FOUR-HILLS MAIN AIM-ET	USA 69416020					C	
	MR FOUR-HILLS MAIN ARC-ET	USA 69416021						
	MR FREDDIE IACocca 42-ET	USA 68861188						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR FREDDIE IGNITE-ET	USA 69921938						
	MR FREDDIE INTEL 46-ET	USA 68861192						
	MR FREDDIE INVOKE 61-ET	USA 70189503						
	MR FREDDIE IRA	USA 69921970					C	
14HO06819	MR FREDDIE IRWIN-ET	USA 69921945					C	
	MR FREDDIE SAMMY-ET	840003008316261						1
7HO09367	MR FREELANCE DOLAN	USA 135947131						
	MR FRISOU SEVEN 1004	USA 73330257						
200HO03682	MR FROSTY SANTIAGO	USA 65671587						1
	MR FROZ LUKE 80-RED	USA 140933033						
	MR FTUREJOLANE Z HASHTAG-ET	USA 74300951						
11HO11446	MR FURNACE-HILL ALTAPITA-ET	USA 59109587						
	MR FURNACE-HILL NU NATE-ET	USA 59109594						
	MR FURNACE-HILL NU NICK-ET	USA 59109596			C			
	MR FURNACE-HILL SS PETER-ET	USA 71680417						
	MR FURNACE-HILL SS PONGO-ET	USA 71680413						
	MR FURNACEHILL COOPERATE-ET	USA 59014761						
	MR FUSTEAD JEEVES MEDAL-ET	USA 140516540						
	MR FUSTEAD JEEVES MOGULE-ET	USA 140516531						
	MR FUSTEAD MANOMAN NAPPA-ET	USA 140476888						
	MR FUTREJOLANE HAILSTORM-ET	USA 74300955					C	
7HO12438	MR G DENELL-ET	USA 72372735						
	MR G ICICLE 639-ET	USA 65588878					C	
	MR G ISLAND 636-ET	USA 65588875						1
1HO06141	MR G-NEX CORDELL-ET	USA 17323056						
1HO06443	MR G-NEX DARYL-ET	USA 125396251						
1HO06395	MR G-NEX GIB DOYLE-ET	USA 122326084						
	MR GA-IL MISTER CALM-ET	USA 72198029						
	MR GA-IL MISTER COOL-ET	USA 72198028						
	MR GARGAMEL-ET	USA 72300803						
	MR GATEWAY-ET	USA 74414160						
	MR GBM CHR HART-ET	USA 70362730			C			
200HO03995	MR GBM DAUNTLESS-ET	USA 70362735						
	MR GBM MOGUL AJ-ETS	USA 70362736						
	MR GBM MOGUL BJ-ETS	USA 70362737						
	MR GC APPLE LOTUS 1038	USA 73620686						
	MR GEN-ACE MONTROSS 3372-ET	840003129083030		C				
	MR GEN-ACE MONTROSS 3375-ET	840003129083033						
	MR GEN-ACE MONTROSS 3376-ET	840003129083034						
	MR GEN-ACE MONTROSS 3379-ET	840003129083037		C				
	MR GEN-ACE REAL-ET	USA 72573254		C				
	MR GENESIS-ET	USA 72364652						
151HO00641	MR GENOMICPRO PARKER-ET	USA 69206212						
151HO00640	MR GENOMICPRO PETERSBURG-ET	USA 69206208						
	MR GENOMICPRO PHARMORE-ET	USA 69206216						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR GENOSOURCE 32038	840003126776043						
	MR GENOSOURCE CAROLINE31927	840003126775932						
	MR GENOSOURCE DAM 32250	840003126776255					C	
	MR GENOSOURCE DELT 31198	840003126775203						
	MR GENOSOURCE DRC 31573-ET	840003126775578						
	MR GENOSOURCE MARI 31502-ET	840003126775507					C	
	MR GENOSOURCE MARI 31563-ET	840003126775568					C	1
	MR GENOSOURCECE PN 31448-ET	840003126775453					C	
	MR GEORGE RAGGI ERNIE-ET	USA 142601217						
	MR GEORGEFARM MRDAN IGNACIO	USA 73164368						
	MR GILLETTE ONWARD SCUBA-ET	840003004202615						
	MR GILLETTE STARGAZER	USA 134154233						
73HO00716	MR GILTEX PONY EXPRESS-ET	CAN 378146						
9HO01355	MR GLEE-HI MILTON-ET	USA 2048668	C					
	MR GM-SANDHILL DA DIGGER-ET	USA 142500114		C				
	MR GM-SANDHILL DA DUGOUT-ET	USA 142500123						
	MR GM-SANDHILL EARN EVAN	USA 142610688						
	MR GOLD BARBARA BENTLEY-ET	USA 73444644						
200HO02193	MR GOLD-ET	USA 137091032	C					
	MR GOLD-N-OAKS ALRIGHT 561	USA 74049693						
29HO16638	MR GOLD-N-OAKS ARCHER-ET	USA 70512298						
	MR GOLD-N-OAKS ARMIT 388-ET	USA 70512299						
	MR GOLD-N-OAKS BELUGA 535	USA 72169981						
	MR GOLD-N-OAKS BOASTFUL 650	840003132098685						
	MR GOLD-N-OAKS BOOKEM385-ET	USA 70512296						
	MR GOLD-N-OAKS CALICO 443	USA 70512354						
	MR GOLD-N-OAKS CANDID 571	USA 74049703						
29HO16842	MR GOLD-N-OAKS CANDID-ET	USA 70512348						
	MR GOLD-N-OAKS DADDY 494	USA 72169940						
	MR GOLD-N-OAKS EPIC 436-ET	USA 70512347						
	MR GOLD-N-OAKS EPIC 441-ET	USA 70512352						
	MR GOLD-N-OAKS EPIC 615-ET	USA 74049747						
	MR GOLD-N-OAKS GILLESPIY 531	USA 72169977						
	MR GOLD-N-OAKS IOTA 369-ET	USA 70512280						
	MR GOLD-N-OAKS JOSUPER 609	USA 74049741						
	MR GOLD-N-OAKS JOSUPER 639	USA 74049771						
	MR GOLD-N-OAKS JOSUPER 690	840003132098725						
	MR GOLD-N-OAKS LARGE 426	USA 70512337						
	MR GOLD-N-OAKS LEVI 474-ET	USA 72169920						
29HO16665	MR GOLD-N-OAKS MENCHI-ET	USA 70512307						
	MR GOLD-N-OAKS MERIDIAN 469	USA 72169915						
	MR GOLD-N-OAKS OAK 511	USA 72169957						
	MR GOLD-N-OAKS PARADISE 447	USA 70512358						
29HO16682	MR GOLD-N-OAKS POLO	USA 70512318						
	MR GOLD-N-OAKS RACER 634	USA 74049766						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR GOLD-N-OAKS SUPER 314-ET	USA 68771343						
	MR GOLD-N-OAKS SUPER 315-ET	USA 68771344						
100HO11301	MR GOLD-N-OAKS SUPER 327-ET	USA 68771356						
	MR GOLD-N-OAKS TAILOR 683	840003132098718						
	MR GOLD-N-OAKS TAILOR 689	840003132098724						
	MR GOLD-NOAKS PLANET 247-ET	USA 65866654						
6HO01154	MR GOLDEN DA SHANE-ET	USA 66349038						
	MR GOLDEN M SEAN-ET	USA 68565158		C				
	MR GOLDEN-OAKS CHANCELOR-ET	USA 70560376						
	MR GOLDEN-OAKS D CAMERON-ET	USA 72181256					C	
	MR GOLDEN-OAKS D CANNON-ET	USA 72181257						
11HO09372	MR GOLDEN-OAKS GAMETIME	USA 135603806						1
	MR GOLDEN-OAKS ON LOCKDOWN	USA 70560390						
7HO11498	MR GOLDN-OAKS MOZART 333-ET	USA 68771362						
	MR GOLDN-OAKS NIAGRA 332-ET	USA 68771361						
	MR GOLDN-OAKS NIAGRA 334-ET	USA 68771363						
29HO16490	MR GOLDNOAK HARRYWINSTON-ET	USA 70512266						
14HO07009	MR GOLDNOAKS ARAMIS 353-ET	USA 70512264						
	MR GOLDNOAKS ARMITAG 611-ET	USA 74049743						
	MR GOLDNOAKS ARMITAGE 403	USA 70512314						1
	MR GOLDNOAKS ARMITAGE393-ET	USA 70512304						
	MR GOLDNOAKS ARMITAGE395-ET	USA 70512306						
	MR GOLDNOAKS ARMITAGE398-ET	USA 70512309						
	MR GOLDNOAKS ARMITAGE411-ET	USA 70512322						
	MR GOLDNOAKS BALISTO 516-ET	USA 72169962						
	MR GOLDNOAKS BALISTO 519-ET	USA 72169965						
	MR GOLDNOAKS CASUAL 603-ET	USA 74049735						
	MR GOLDNOAKS CHAIRMN 362-ET	USA 70512273						
	MR GOLDNOAKS CHAIRMN 363-ET	USA 70512274			C			1
	MR GOLDNOAKS COMMANDER 663	840003132098698						
	MR GOLDNOAKS FREDDIE 320-ET	USA 68771349						
	MR GOLDNOAKS FREDDIE 330-ET	USA 68771359						
182HO00821	MR GOLDNOAKS FREDDIE 352-ET	USA 70512263						
	MR GOLDNOAKS LITHIUM 597-ET	USA 74049729						
7HO11103	MR GOLDNOAKS MAGNUS-ET	USA 68771322						
29HO17780	MR GOLDNOAKS MARQUETTE-ET	USA 72169964						
	MR GOLDNOAKS MAURICE 532-ET	USA 72169978						
	MR GOLDNOAKS MAURICE 594-ET	USA 74049726						
	MR GOLDNOAKS MAURICE 598-ET	USA 74049730						
29HO16683	MR GOLDNOAKS MAYOR-ET	USA 70512308						
29HO16200	MR GOLDNOAKS MESSIAH-ET	USA 68771348						
	MR GOLDNOAKS NTRAN LAYNE-ET	USA 70512330						
	MR GOLDNOAKS O-STYLE 377-ET	USA 70512288						
	MR GOLDNOAKS O-STYLE 413-ET	USA 70512324			C			
	MR GOLDNOAKS O-STYLE 414-ET	USA 70512325			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR GOLDNOAKS O-STYLE 415-ET	USA 70512326			C			
	MR GOLDNOAKS O-STYLE 416-ET	USA 70512327			C			
7HO11102	MR GOLDNOAKS OTTO SEARCH-ET	USA 68771323						
29HO16678	MR GOLDNOAKS PANDORA-ET	USA 70512305						
	MR GOLDNOAKS SNOWMAN 361-ET	USA 70512272			C			
	MR GOLDNOAKS SNOWMAN 537-ET	USA 72169983						
	MR GOLDNOAKS SNOWMAN 538-ET	USA 72169984						
	MR GOLDNOAKS SNOWMAN 539-ET	USA 72169985			C			
	MR GOLDNOAKS SNOWMAN 540-ET	USA 72169986						
7HO11345	MR GOLDNOAKS SUPERBOWL-ET	USA 68771354						
	MR GOLDNOKS ALEXANDER270-ET	USA 68771299						
7HO11500	MR GOLDOAKS MEGATRON 329-ET	USA 68771358						
504HO04008	MR GOLDWYN AMOS-ET	USA 138425988						3
	MR GOLDWYN BULLETPROOF-ET	USA 69507884						
	MR GOLDWYN INVESTOR 895-ET	USA 65718830					C	1
204HO02116	MR GOLFING AMERICA-ET	USA 139245811						1
	MR GOSHENS POWERBAL 4251-ET	840003130389990						
	MR GOSHENS POWERBALL-P 4348	840003133184320						
	MR GRANNY-ANNE LOU DOBBS-ET	USA 63856629						
	MR GREMLIN-ET	USA 72325463		C				
	MR GREYHOUND ATWOOD SHOBOAT	USA 72875142						
	MR GS MANONTHEMOON-ET	840003130784865					C	
	MR GUIDED-PATH AR TAMERLANE	USA 73416831						
	MR GUIDED-PATH L TEMPEST-ET	USA 71942826						1
	MR GUIDED-PATH MASSY GENTRY	USA 72653040						
	MR GUIDED-PATH WILDBST GENO	USA 73416874						
	MR GUSTY-WINDS CHIP ATWORTH	USA 71399255						
	MR HALOGEN GOODY-ET	840003123738529						
	MR HALOGEN GOOGLE-ET	840003123738532						
	MR HAPPY BRO 1003-ET	840003013177454						3
	MR HAPPY BRO 1005-ET	840003013177261						
	MR HAR-DALE DEYJA PARKER-ET	USA 72435230						
	MR HAR-DALE-ACRES APOLLO-ET	USA 68738572						
	MR HARDALEACRES AL ARIES-ET	USA 68738562						
	MR HARDALEACRES ALN ALEX-ET	USA 68738563						
	MR HARDALEACRES ATLANTIC-ET	USA 69326421						
	MR HARDALEACRS ALA ALAMO-ET	USA 68738574						
	MR HARDWOOD RIFLE-ET	USA 136616706						
	MR HARDWOOD S PAYDAY-TW	USA 140667853						3
200HO10065	MR HARDY BREAKTHROUGH-ET	840003009118773						
	MR HARDY HEADLINER BRUNO-ET	USA 142260007						
	MR HARDY HEDLINER BENTLY-ET	840003009118760						
	MR HARDYS COIN BALTIMORE-ET	USA 142821125						1
	MR HARDYS HEDLNR BRITAIN-ET	840003009118762						
1HO05566	MR HARDYS PATRON REGENT-ET	USA 123313760						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
1HO05558	MR HARDYS PATRON REXFORD-ET	USA 123314864						
71HO01690	MR HARDYS RUFFIAN-ET	USA 2299896						
	MR HARTFORD ATWORK 747-ET	840003134167076						
	MR HARTFORD LEVI 313-ET	USA 71141831			C			
	MR HARTFORD O DENNIS-RED-ET	USA 73276796						
	MR HARTFORD OAK MAPLE 482	USA 72531607						
	MR HARTFORD OST DEMO 450-ET	USA 72531575						
	MR HARTFORD OT DANNY-ET	USA 73276795						
	MR HARTFORD OT DANTE-RED-ET	USA 73276800						
	MR HARTFORD OT DOUG-RED-ET	USA 73276794						
	MR HARTFORD ST DANCO 453-ET	USA 72531578						
	MR HARTFORD ST DODGE 451-ET	USA 72531576			C			
	MR HARVEST-GEN CANTON-ET	840003013721502	C					
	MR HARVEST-GEN CAPTAIN-P-ET	840003013721501	C					
	MR HARVUE ATWOOD FOX-ET	USA 69933461						
29HO13592	MR HASS-ACRES DRACO	USA 62169051		C				
29HO13953	MR HASS-ACRES JS DISPLAY-ET	USA 62169057						
	MR HASS-ACRES MRDIN BELIEVE	USA 71394755						
	MR HASSACRES BKEYE DAIQUIRI	USA 62169062						
	MR HAZELS WINDHAMMER HAYDEN	USA 75245505						
	MR HEADLINER 137-ET	USA 142541618						
	MR HEADLINER AUSTIN-ET	USA 70612283						
14HO07469	MR HEADLINER CLAIR 590-ET	USA 72419932						
	MR HEADLINER GARRETT 52-ET	USA 72865424						
76HO00540	MR HEARTBEAT JM RJ MORRACCO	USA 137207341						
	MR HEINZ MAVERICK-ET	840003130784863						
	MR HENDEL BYLINE	USA 71206919						
	MR HERMANVILLE EARN 3578-ET	USA 72779792						
	MR HG MOGUL RAIDER-ET	USA 72220214						
29HO05759	MR HIGH SIGHTS CHIEF DOMINO-ET	USA 2028243						
76HO00426	MR HIGHWINDER	USA 131450563						
	MR HJ ARMITAGE RAJI	USA 71389037						
	MR HJ HEADLINE ROCKY	USA 72220254						
	MR HJ JIVES RAGE-ET	USA 71389022						
	MR HJ LATIM RAIDER-ET	USA 72220250						1
	MR HJ LATIM RIVAS-ET	USA 72220251						1
	MR HJ LATIMER RUSTY-ET	USA 72501811						1
	MR HJ MAYFIELD REID-ET	USA 72501806						
	MR HJ MOGUL RENO-ET	USA 72501808						
	MR HJ MONTEY RAMPAGE-ET	USA 73485206						
	MR HJ MONTEY ROCKY-ET	USA 73485201						
	MR HJ N-ONE RAFFERTY-ET	USA 71389032						
	MR HJ NUMERO UNO RICO-ET	USA 72501807						
	MR HJ PUNCH RAD-ET	USA 72501809						
	MR HJ REDFORD-ET	USA 70721004						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR HJ REEVES-ET	USA 70721003						
	MR HJ RHETT-ET	USA 70721005						
200HO06543	MR HJ RONDO-ET	USA 71389042						
	MR HJ SUPER LG REED-ET	USA 72220222						
	MR HJ UNO REECE-ET	USA 72220224						
	MR HOL-STAR ABERLIN DARE-ET	USA 70563189						
	MR HOL-STAR ABERLIN DARK-ET	USA 70563192						
	MR HOL-STAR BW RAM-RED-ET	USA 72064310					C	3
	MR HOL-STAR EXPLODE DVD	USA 70563209						3
	MR HOL-STAR SHAN DAKOTA-ET	USA 72064322						
	MR HOL-STAR SHAN DAREL-ET	USA 72064319						3
	MR HOL-STAR SHBLT DERECK-ET	USA 70563161						3
	MR HOL-STAR SHMRCK DAREN-ET	USA 70563173						
100HO11459	MR HOL-STAR SHMRCK DART-ET	USA 70563176						
	MR HOL-STAR SHMRCK DARYL-ET	USA 70563177						3
	MR HOL-STAR SHMROCK DART-ET	USA 70563171						
	MR HOL-STAR SHTBLT REESE-ET	USA 70563160						
	MR HOL-STAR WIRE RAM-RED-ET	USA 72064302					C	3
	MR HOLMGREN TARGET-ET	USA 71685578						
	MR HOLSTAR BRBWRE ROCKET-ET	USA 72064266						3
	MR HOLSTAR DEFNT RAM-RED-ET	840003132041361						
	MR HOLSTAR DF RAMSES-RED-ET	840003132041364						
	MR HOLSTAR RDBURST RANDY-ET	USA 72064265						1
11HO04495	MR HONEY-LANE B ROD-ET	USA 2280448						
	MR HORIZON DW SNWBL RANDY	USA 70980476					C	
	MR HORNLAND BRON BARCLEY-ET	USA 73746086						
	MR HORNLAND BRONO BET-ET	USA 73504453						
	MR HORNLAND BRONO BLAST-ET	USA 73746087						
	MR HORNLAND CANCUN RAY-ET	USA 71441630						
29HO16628	MR HORNLAND GARRETT RAGE-ET	USA 71441631						
	MR HORNLAND GARRETT RAVE-ET	USA 71441632						
	MR HORNLAND GARRETT ROME-ET	USA 71441633						
	MR HORNLAND GRRETT RIVER-ET	USA 71441637						
	MR HORNLAND GRRTT REGGIE-ET	USA 71441635						
	MR HORNLAND JIVES RASHID-ET	USA 71441638						
	MR HORNLAND LARGE ROD-ET	USA 72116609						
29HO16480	MR HORNLAND OBSERVER RIO-ET	USA 141168571						
	MR HORNLAND PRDSTNE RICH-ET	USA 73212304						
	MR HORNLAND SYMPTICO BEN-ET	USA 73200182						
	MR HORSTYLE MAXUM CAMRYN	USA 141629702						
1HO06680	MR HORSTYLE MERIT-ET	USA 129572020						
	MR HOTSTUFFS HIT AND RUN-ET	840003012554419						1
	MR HOTSTUFFS HOMERUN-ET	840003012554420						
94HO17973	MR HOTSTUFFS HYPNOTIC-ET	840003012554421						
	MR HOVDEN DAN-RAE-ET	USA 70243114						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
534HO00017	MR HOVDEN DELTA-ET	USA 70243094			C			
	MR HUE A5G 55500-ET	840003010354247						
14HO07556	MR HUE COIN 57591-ET	840003010356338						1
534HO00034	MR HUE HEFFNER-ET	840003014335076			C		C	
	MR HUE PRED 1028-ET	840003014258925						
	MR HUE TANGO 57621-ET	840003010356368		C				
	MR HUE TANGO 57656-ET	840003010356403						
29HO00715	MR HURL-THREE MOMENTUM-RED-ET	USA 2041332						
	MR I-D-KLARE KRUNCH JOCKEY	USA 72863500						
	MR ICAND RS CLARENCE-RED-ET	USA 71400130						
	MR IHG LOVECHARM DECLAN	USA 73341831						
	MR IMPRESSIVE-ET	USA 65718804					C	
	MR INDIAN-STONE SPR JET-ET	USA 68947485						
7HO10015	MR INDIANHEAD ARISTOCRAT-ET	USA 139005459					C	1
7HO10014	MR INDIANHEAD ARISTOTLE-ET	USA 139005440						
11HO04984	MR INFINITY GY-RO-ET	USA 17111579						
543HO00049	MR INSEME FAIRPLAY 15019	840003012574866						
543HO00052	MR INSEME KRUGER 8282-ET	USA 72436829						1
543HO00060	MR INSEME LACROIX 576-ET	USA 73963297						
1HO05532	MR INTERNATIONAL-ET	USA 18048852						
7HO07920	MR ITO BRUTT-ET	USA 60190686						
	MR J&E SHANNON AMAZING	USA 73283591		C				
29HO11197	MR J-FORD SAMSON-ET	USA 60823416						
29HO11113	MR J-FORD WIN SABER-ET	USA 60823414						
	MR J-T-WILLOW KING-ET	USA 127652645						
	MR JABIR ZIMMER-ET	USA 73690398						
203HO03005	MR JACEY DECOY 57578-ET	840003010356325						
	MR JACKDEL YOD 31531-ET	840003126775536						
151HO00733	MR JACKMAN DISTINGUISH-ET	840003013474534						
	MR JAMES JOLIES 007-ET	USA 142801813						
	MR JAMES JOLIES WOW-ET	USA 142801804						
	MR JAYTON ISLE-ET	USA 71492792						
7HO08419	MR JED APPROVAL-ET	USA 2272044						
	MR JEEVES BACARDI-ET	USA 140579031						
	MR JEEVES BADBOY-ET	USA 140579143						
	MR JEEVES BILTMORE-ET	USA 140579040						
	MR JEEVES BRONCO-ET	USA 140579134						
	MR JEEVES BRUCE-ET	USA 140579125						
	MR JEEVES LEXINGTON-ET	USA 65866980						
14HO06472	MR JEEVES TONKA TOY-ET	USA 66731663						
	MR JEEVES TOY TRACTOR-ET	USA 66731664						
	MR JENNYLOU SHTL DAVID-ET	USA 64410881					C	
200HO01581	MR JERIAN STRATUS	USA 131781852	C					
	MR JERSEY DEDUC 31090-ET	840003126775095						
	MR JERSEY KB 31545-ET	840003126775550		C				

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR JERSEY KING 31317-ET	840003126775322						
200HO02387	MR JIMTOWN BENOIT-ET	USA 138766546						
	MR JJR DAY DREAMER-ET	USA 72259851						
	MR JJR SHOTGLASS DIXON-ET	USA 72260113						
14HO05805	MR JO-WAL LANGS FALCON-RED	USA 138726913						1
1HO02557	MR JOHNNAN GOLDWYN TATE	USA 53457322		C				3
	MR JOLIAM E PROGRESS 9725	840003134543155						
	MR JOLIAM MNTRS PAT 9662-ET	840003123835151						
	MR JOTAN SHOCKED-RED-ET	USA 70240179						
	MR JOTAN SHRINER-RED-ET	USA 70240180						
	MR JOTWN KINGBOY JAPHETH-ET	USA 71916218						
	MR JS RICKARDO-ET	USA 66348999						
7HO08588	MR JUSTICE EXCALIBUR-ET	USA 135170656						
	MR JZM SHNSBR ENERGIZER-RED	USA 72947322						
	MR K-MANOR SIDNEY	USA 68654123						
151HO03252	MR KB DO IT 54947-ET	840003010353694						
	MR KE-HOLTZ MONTROSS LAUER	840003130675918						
	MR KELLOGG-BAY NUM UNO CARL	USA 72352768						
29HO13190	MR KELLOGG-ET	USA 136281786						
	MR KERANEN EMERALD 219-ET	USA 71266148		C				
	MR KHF LATIMER MISTER	USA 72521638						1
	MR KING SOLOMON-RED-ET	840003008892662						
	MR KINGBOY 31624-ET	840003126775629						
	MR KINGBOY DETROIT-RED-ET	840003124509159						
14HO07718	MR KINGS-RANSOM 1ST TIME-ET	USA 74193762						
	MR KINGS-RANSOM B DOMINIC	USA 72372696						
	MR KINGSMILL PRINCE-ET	USA 66762833			C			
11HO09986	MR KINGSRANSOM ALTAHART	USA 62661911						
	MR KJ CANCUN REGGIE-ET	USA 70721011						
151HO00750	MR KNOBBY 8250-ET	USA 72436797						
	MR KOENEN KINGBOY 10084-ET	USA 71702806						
	MR KOENEN MONTEREY 10080-ET	USA 71702802						
200HO10066	MR KOENEN OVATION-ET	USA 70447951						
	MR KOENEN PURE 10079-ET	USA 71702801						
	MR KOENEN PURE 10081-ET	USA 71702803						
	MR KOENEN RAVISH 10052-ET	USA 70447934						
	MR KOENEN SHAMROCK 10063-ET	USA 70447945						
	MR KOENEN SHAMROCK 10066-ET	USA 70447948						
	MR KOENEN SUPER 10030-ET	USA 69701913						3
7HO06969	MR KOLUMBIA-ET	USA 129560236						
	MR KOOL CC 8237-ET	USA 72436784						1
	MR KOOL COIN 8251-ET	USA 72436798						1
	MR KOOL COIN 8266-ET	USA 72436813						1
	MR KOOL DETERMINE 8409-ET	840003013474495						
	MR KOOL ETERNITY 1458	USA 72128247						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
534HO00032	MR KOOL-ET	USA 72436819						1
	MR KRAMER SLIVERMEN 801	USA 70926936			C			
120HO02347	MR KULP-DALE APRIORI P-ET	USA 71997602						
506HO00117	MR KY-BLUE ROY CASINO-ET	USA 137629147						
14HO03168	MR L-V-R AMERICN DOUGLAS-ET	USA 18020730						
	MR LAKE-EFFECT CHIVE CRI-ET	USA 65801588						
	MR LAKE-EFFECT CURRY CRI-ET	USA 65801590						
7HO07181	MR LAMAR-ET	USA 130733276						
534HO00062	MR LAMONT-TW	840003128967984						1
	MR LANA NOMI 57904-ET	840003010356651						
	MR LANA NOMINEE 1082	USA 74095670						
7HO09047	MR LAND-VUE SAM FAMOUS 1349	USA 52801349	C					
7HO08193	MR LANDSLIDE-RED-ET	USA 132945783						
	MR LANG-TWIN MUSTARD CRI-ET	USA 64541626						
	MR LANG-TWIN-B MUSTY CRI-ET	USA 64541628						
	MR LANGS TWIN B 5077-ET	USA 73222186						
	MR LANGS TWIN B 5213-ET	840003132534934						
	MR LANGS TWIN-B 5094-ET	USA 73222203						
	MR LANGS-TWIN-B 5017	USA 70662930						1
	MR LANGS-TWIN-B 5082-ET	USA 73222191						
	MR LANGS-TWIN-B 5083-ET	USA 73222192						
	MR LANGS-TWIN-B 5093-ET	USA 73222202						
	MR LANGS-TWIN-B STRATEGY-ET	USA 70662795						
	MR LARAMIE-ET	USA 139981395						
	MR LARGE 1384-ET	USA 71990730						
506HO00710	MR LARSON FAVORITE-RED-ET	USA 70684476		C				
534HO00041	MR LAS VEGAS-ET	840003123886001						
151HO00725	MR LAT DYNAMIC 1477-ET	USA 72128266						1
	MR LATHORITY LEANDRO-ET	USA 70197843						
	MR LAUGH CHEV 55525-ET	840003010354272						
	MR LAUGH OAK 1039-ET	840003014334807						
	MR LAURIN ALAMO	USA 140230738						
1HO04974	MR LAUSTEN LBM TRICKER-ET	USA 2260655						
94HO18241	MR LEANINGHOUSE AMMO-P-ET	USA 74146951						
	MR LEANINGHOUSE KB 21428-ET	840003129135984						
	MR LEGEND LEBRON-ET	USA 70243243						
	MR LEGENDS ELWOOD-ET	USA 72090397						1
	MR LEIF BLOWER 891-ET	USA 65718826						
	MR LENDOR-ET	USA 140925467						
100HO03140	MR LENNY-ET	USA 71030990						
	MR LEXI COLT 57438-ET	840003010356185						
	MR LEXIE C45 1020-ET	840003013923868						
	MR LEXIE COLT 18099-RED-ET	840003014258880						
	MR LEXIE COLT 25050-ET	840003013924072						
	MR LEXIE COLT 25051-ET	840003013924045						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR LEXIE DIAM 18095-ET	840003014258831			C			
	MR LEXIE O HARE 57579-ET	840003010356326			C			
	MR LEXIE O HARE 57797-ET	840003010356544			C			
	MR LEXIE OHARE 55499-ET	840003010354246						
	MR LEXIE OHARE 57795-ET	840003010356542			C			
	MR LIANNE REDBURST 8199-ET	USA 72436746						1
80HO01077	MR LIBERATOR	USA 137407563						
200HO02290	MR LICENCE-ET	USA 138060949						
	MR LICORICE A 1218-ET	USA 71494628						1
	MR LICORICE A 1220-ET	USA 71494630						2
	MR LICORICE KB 54802-ET	840003010353549						
534HO00024	MR LICORICE LEBRON-RED-ET	USA 71494629						1
	MR LICORICE LIQUOR 1157	USA 71494567						
	MR LICORICE LUSTER-ET	USA 71494651						2
	MR LICORICE MCCUT 57256-ET	840003010356003						
	MR LICORICE TANGO 55705-ET	840003010354452						
	MR LICORICE TANGO 57672-ET	840003010356419						
	MR LICORICE UNO 1268-ET	USA 71494678						
	MR LILLI C45 1019-ET	840003013923866						
	MR LILLI COLT 25038-ET	840003013177348						
	MR LILLI FLAME 57850-ET	840003010356597						
	MR LILLI FLAME 57853-ET	840003010356600						
	MR LILLI FLAME 57867-ET	840003010356614						
	MR LILLIE ENFORCER 57443-ET	840003010356190						
29HO11097	MR LINDBERG-ET	USA 132329257						
11HO09511	MR LINERWAY ALTALITEWAVE-ET	USA 135700848						1
	MR LIQUIDSUN HOT SHINE-ET	840003124680246						
	MR LIQUIDSUN HOT STUFF-ET	840003124680245						
7HO11006	MR LIRR NOLAND	USA 68731749						
	MR LITHIUM LANDON-ET	USA 70316568						
	MR LITHIUM LINCOLN-ET	USA 70316562						
	MR LITHIUM LIONEL-ET	USA 70316561						
	MR LIZA GC 1048	USA 73828411						
	MR LKI SHAMRK SECOND CHANCE	USA 72190580						
	MR LOCKHEED-ET	USA 74414053						
7HO07633	MR LOMAX-RED-ET	USA 132329547						
44HO00380	MR LOMBARDI-ET	USA 70135985						
29HO11939	MR LONG-GREEN MALONE-ET	USA 61732777			C			
200HO02873	MR LOOKOUT P BELLAMY-ET	USA 71302818						
200HO02874	MR LOOKOUT P BONA FIDE-ET	USA 71302819						
200HO02871	MR LOOKOUT P EMBARGO-ET	USA 71302827						
200HO02870	MR LOOKOUT P ENFORCER-ET	USA 71302825						
	MR LOOKOUT P ENRIQUE-ET	USA 71302832						3
566HO01183	MR LOOKOUT PESC BANCROFT-ET	USA 71302814						1
	MR LOOKOUT PESC BANKROLL-ET	USA 71302816						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR LOOKOUT PES C BRYSON-ET	USA 71302820			C			
11HO11327	MR LOOKOUT PESCE ALTA5G-ET	USA 71302858						
	MR LOOKOUT PESCE BALDWIN-ET	USA 71302837						1
	MR LOOKOUT PESCE BALLOT-ET	USA 71302838						
250HO01089	MR LOOKOUT PESCE BANNER-ET	USA 71302841						1
	MR LOOKOUT PESCE BARD-ET	USA 71302834						
200HO09329	MR LOOKOUT PESCE BRAVADO-ET	USA 71302817						1
	MR LOOKOUT PESCE BRONX-ET	USA 71302849						1
	MR LOOKOUT PESCE BUNKER-ET	USA 71302850						1
	MR LOOKOUT PESCE BURKE-ET	USA 71302846						
	MR LOOKOUT PESCE ESQUIRE-ET	USA 71302829						3
11HO11328	MR LOOKOUT PSC ALTADRUM-ET	USA 71302822						1
	MR LOOKOUT PSC ELEMENTAL-ET	USA 71302828						
566HO01181	MR LOOKOUT PSC FB ENIGMA-ET	USA 71302826						
	MR LOOKOUT-PES NEWMARKET-ET	840003010408640						
	MR LOOKOUT-PES NEWSMAKER-ET	840003010408639						
	MR LOOKOUT-PESCE BEN-ET	USA 71302852						
	MR LOOKOUT-PESCE MATHYS-ET	USA 71302854						
566HO01184	MR LOOKOUT-PESCE NEPTUNE-ET	840003010408624						
	MR LOOKOUT-PESCE NERO-ET	840003010408635						
	MR LOOKOUT-PESCE NU NICO-ET	840003010408632						
7HO06123	MR LORD LUSTER-ET	USA 17387857						
6HO00770	MR LOREN-RED-ET	USA 132414870						
	MR LORITA DOORMAN ARIES-ET	USA 73129518						
	MR LORITA UNO AJAX-ET	USA 72564640						
	MR LORITA UNO AJAY-ET	USA 72564641						
44HO00428	MR LORITA UNO ALDEN-ET	USA 72564662						
	MR LORITA UNO AMETHYST-ET	USA 72564664						
	MR LOTTOMAX GOLA 880-ET	USA 74414095						
	MR LOU YAHOO P-RED-ET	840003012503561						
94HO17667	MR LOUISVILLE-ET	USA 71494674						1
	MR LOVECHARM OAK 1043-ET	840003124584831						
151HO03100	MR LR EDG ARVIS 18196-ET	840003125201960						
	MR LUCK-E DEFIANT 671	USA 72186870						
	MR LUCKY LOTTO-ET	840003126918414						
	MR LUCY COLT 18093-ET	840003014258772						
	MR LUCY COLT 57452-ET	840003010356206						
	MR LUCY EMBASSY 55315-ET	840003010354062						
	MR LUCY EMBASSY 55433-ET	840003010354180						
	MR LUCY GAL 57805-ET	840003010356552						
	MR LUCY GAL 57810-ET	840003010356557						
	MR LUCY KB 54845-ET	840003010353592						
	MR LUCY KINGBOY 54814-ET	840003010353561						
	MR LUCY OHARE 55361-ET	840003010354108						
	MR LUCY OHARE 57641-ET	840003010356388			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR LUCY OHARE 57681-ET	840003010356428			C			
	MR LUCY OHARE 57719-ET	840003010356466						
	MR LUCY P GOLIATH-ET	840003013177277						
	MR LUCY P JOSUP 31151-ET	840003126775156						
	MR LUCY POWERBALL 31086-ET	840003126775091						
	MR LUNA LAT LAT 8163-ET	USA 72436710						
	MR LUNA UNO 8057-ET	USA 72436604						
	MR LUNCREST JB DAVE-1670-ET	840003124929789						
	MR LYLA MAYFIELD 8010-ET	USA 72436557						
	MR LYLA UNO 8162-ET	USA 72436709						
	MR M E GREAT LOOKS 830-ET	USA 74414045						
515HO00234	MR M G TORPEDO-ET	840003125202117		C				
29HO09984	MR M&F CELSIUS ANDY-ET	USA 2294061						
100HO10692	MR M&M TALENT CHICO-RED-ET	USA 137114618						
	MR M-O-M IZZO 51-ET	USA 70189493						
	MR M-P 4741 BANCO KAYLE-ET	USA 71127351						
	MR M-P 4755 PERRY KIN-ET	USA 71127365						
	MR M-P 4758 ARMTGE LONZA-ET	USA 71127368						
	MR M-P 4759 SUDAN LEN-ET	USA 71127369						
	MR M-P 4761 OFFBEAT CALE-ET	USA 71127371						
	MR M-P 4833 PETER	USA 71584376						
	MR M-P ADIDAS DAYTON 5102	USA 72053019						
	MR M-P ADIDAS PEPPER5138-ET	USA 72053055						
	MR M-P ALABAMA KENNEDY	USA 69258128						
11HO11363	MR M-P ALTAKERMIT-ET	USA 71127385						
11HO09578	MR M-P ALTAOLIN-ET	USA 136665906						
11HO10650	MR M-P ALTAPETROL-ET	USA 65873842						
	MR M-P ARMITAGE KAI 4865-ET	USA 71584408						
	MR M-P ARMITAGE KENJI-ET	USA 71584401						
	MR M-P ARMTGE 4811 DAN-ET	USA 71584354		C		C		
	MR M-P ARMTGE 4812 DOVO-ET	USA 71584355		C		C		
	MR M-P AZYGOUS LANG 5328-ET	USA 72620613						
	MR M-P BELUGA DREAMER 5710	840003125228584						
	MR M-P BELUGA PACO 5512-ET	USA 73232244			C			
	MR M-P BLIZZARD DONNY 5261	USA 72620546						
	MR M-P BOB DOMINANT4897-ET	USA 71584440				C		
	MR M-P BOB DRIVER 4950-ET	USA 71584493				C		
	MR M-P BOYBOY 4770 PAUL-ET	USA 71127380						1
	MR M-P CASCADE PIKE 5162-ET	USA 72053079						
1HO10631	MR M-P CLARK LICORICE-ET	USA 70219956					C	
	MR M-P CM 4792 LONZO	USA 71127402						
	MR M-P CM KARVER 4882-ET	USA 71584425						
	MR M-P CM LUIGI 4935	USA 71584478						
	MR M-P COLBY PORKY	USA 65873846		C				
	MR M-P COLT 4817 CAL-ET	USA 71584360						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR M-P COLT P COAL-RED	USA 71584422						
	MR M-P DEAN LIQUOR 5201	USA 72620486						
	MR M-P DEAN PEYTON 5700	840003125228574						1
	MR M-P DOLCE KIOSK-ET	USA 70686541						
1HO11015	MR M-P ECOYNE ISY KEMP	USA 71584402						
	MR M-P EPIC DENVER 4907-ET	USA 71584450						
	MR M-P EPIC PEYTON 4901-ET	USA 71584444						
	MR M-P EPIC POWER 4892-ET	USA 71584435						
	MR M-P EPIC PRESSURE4906-ET	USA 71584449						
	MR M-P GALAXY PROTON-ET	USA 72620684						
	MR M-P GENOMICS RAPTURE-ET	USA 70219960						
	MR M-P GRAFEETI REGGIE 4927	USA 71584470						
	MR M-P GRFTI 4725 PRINCE-ET	USA 71127335						1
	MR M-P HALGN ARGYLE 5691-ET	840003125228565						
	MR M-P HALOGEN ALL 5731-ET	840003125228605						
	MR M-P HALOGEN ARMY 5680-ET	840003125228554						
	MR M-P HALOGEN KINGPIN 5697	840003125228571						
	MR M-P HALOGEN ARGUE 5685-ET	840003125228559						
	MR M-P JABIR LANCER 5522-ET	USA 73232254						
	MR M-P JAKARTA LEE 5108-ET	USA 72053025					C	
	MR M-P JAKARTA LINGO5170-ET	USA 72053087					C	
	MR M-P JAKARTA LOCO 5225-ET	USA 72620510					C	
	MR M-P JAKE LANCE 5152-ET	USA 72053069						
	MR M-P JAKE LASER 5150-ET	USA 72053067						
	MR M-P JAKE LLOYD 5169-ET	USA 72053086						
	MR M-P JAMES DARE 5438-ET	USA 73232170				C		
	MR M-P JAMES DIPPEL 5426-ET	USA 73232158						
	MR M-P JAMES LEO 5459-ET	USA 73232191						
	MR M-P JAMES PEAVY	USA 73232132						
	MR M-P JEOPARDY PICKET 5382	USA 72620667						
	MR M-P JET STREAM PRIMO-ET	USA 65873774						
	MR M-P JETSET DIVE 5578-TW	USA 73232310						
	MR M-P JETSET DUKAN 5523	USA 73232255						
	MR M-P JETSET DUNK 5579-TW	USA 73232311						
	MR M-P JETSET KIRBY 5551-ET	USA 73232283						
	MR M-P JIVES PILAF 4683-ET	USA 71127293						
	MR M-P KAMIK PROTON-ET	USA 70686532						
	MR M-P KRUNCH LAW 5280	USA 72620565						
	MR M-P KRUNCH LAWRENCE 5251	USA 72620536						
	MR M-P LACOSTE LUNCHBOX4881	USA 71584424						
	MR M-P LARIAT KYLE-ET	USA 71127263						
	MR M-P LARS KIDDO 5455-ET	USA 73232187						
	MR M-P LARS KUHN 5498-ET	USA 73232230						
	MR M-P LARS PRIME 5683-ET	840003125228557						
	MR M-P LERO PRINGLE 4971-ET	USA 71584514						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR M-P LES PIERSON	USA 69258220						
	MR M-P LEVI 4837 KYLE-ET	USA 71584380			C			
	MR M-P LEVI 4839 KARL-ET	USA 71584382			C			
29HO16817	MR M-P LEVI DINOSO-ET	USA 71584426			C	C		
	MR M-P LEWIS 4708 DUDLEY-ET	USA 71127318						
	MR M-P LEWIS 4733 DAVE-ET	USA 71127343						
	MR M-P LTHIUM PALMER5156-ET	USA 72053073						
	MR M-P LUMINOUS-ET	USA 73232248			C			
	MR M-P MACK AARON 5600-ET	840003125228474						
	MR M-P MACK ALARM 5597-ET	USA 73232329						
	MR M-P MACK ANDY 5606-ET	840003125228480						
7HO09098	MR M-P MAGICAL ORLANDO-ET	USA 136665894						
	MR M-P MASS LINCOLN 5237-ET	USA 72620522						
	MR M-P MASTER 4810 PETE	USA 71584353						
	MR M-P MAURICE KODIAK 5133	USA 72053050						
	MR M-P MAURICE KYLE 5197	USA 72053114						
	MR M-P MICHAEL LACOSTE-ET	USA 68732049						
	MR M-P MICHAEL PIERCE-ET	USA 68731966						
	MR M-P MONARCH LIBMAN 5594	USA 73232326						
	MR M-P MONARCH LISA 5319	USA 72620604						
	MR M-P MRICE RANGER 5208-ET	USA 72620493						
	MR M-P NOMINE PERCY 5692-ET	840003125228566						
	MR M-P O-COSMO KICKOFF 5124	USA 72053041		C				
	MR M-P O-STYLE 4652 PACEY	USA 71127262			C			
	MR M-P OAK DEKKER 5432-ET	USA 73232164						
	MR M-P OAK PIONEER 5386-ET	USA 72620671						
	MR M-P PARA KALIL 4976-ET	USA 71584519						
	MR M-P PARA LIONEL 5174-ET	USA 72053091						
	MR M-P PARA PACIFIC 5206-ET	USA 72620491						
	MR M-P PARA PONGO 5192-ET	USA 72053109						
	MR M-P PARADISE PETE5180-ET	USA 72053097						
	MR M-P PARDISE LUNAR5181-ET	USA 72053098						
	MR M-P PARTYRK LIMO 5690-ET	840003125228564					C	
1HO10427	MR M-P PEMBROKE PORTIS-ET	USA 69258241						
	MR M-P PERRY POUNCY 4974-ET	USA 71584517						
	MR M-P PRIDE KENT 5576	USA 73232308						
	MR M-P PRIDE KIRK 5518	USA 73232250						
	MR M-P PTYRK DISTRICT 5636	840003125228510						
	MR M-P RAINIER DAYNE 5473	USA 73232205						
	MR M-P REMARK KIRK 6061-ET	840003131074338						
	MR M-P RODGERS ACCURACY	840003125228599						
	MR M-P ROSS LANDSLIDE	USA 70686554			C			
	MR M-P SEQUIOA LA CROSSE-ET	USA 68732079						
	MR M-P SERGIO ARGYLE 5096	USA 72053013						
	MR M-P SHAC DONALD 4695-ET	USA 71127305						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR M-P SHAMROCK LARS-ET	USA 70686577						
14HO07130	MR M-P SHAMROCK LIMEY-ET	USA 71127269						
	MR M-P SHOLTEN PERCIVAL-ET	USA 69258207						
	MR M-P SIOUX LAMBERT5153-ET	USA 72053070						1
	MR M-P SOCRATES LYLE-ET	USA 66331249						
	MR M-P SPEECH PACKER 5040	USA 72052957						
	MR M-P STOKES PARTNER 4911	USA 71584454						
	MR M-P SUPER KEYSTONE-ET	USA 69258227						
	MR M-P SUPER MARVEL	USA 69258129						
	MR M-P SURGE 4577-ET	USA 70686540						
	MR M-P SYMP PATRICK 5232-ET	USA 72620517						
	MR M-P TABLE KENDALL 5466	USA 73232198						
	MR M-P TORNADO JARRET-ET	USA 70686533						
	MR M-P TORNADO PABLO-ET	USA 70686609						
	MR M-P TUCK POPCORN 4995	USA 71584538						
	MR M-P VAL PEPPER 5346-ET	USA 72620631						
	MR M-P WBCAM PACECAR4958-ET	USA 71584501						
	MR M-P WEBCAM LAMAR 4946	USA 71584489					C	
	MR M-P WEBCAM PACO 4953-ET	USA 71584496						
	MR M-P YANO 4807 KEN-ET	USA 71584350						
	MR M-P YANO KRILLIN 4688-ET	USA 71127298						
	MR M-P YOVANI DEVIN 5472	USA 73232204			C	C		
	MR M-P YOVANI DRIVE 5540-ET	USA 73232272						
	MR M-P YOVANI DYN0 5538-ET	USA 73232270						
	MR M-PONDHILL ALLY PERRY-ET	USA 64632062						
	MR M-PONDHILL TRES PETER-ET	USA 64632092						
29HO14165	MR MAC INCREDIBULL-ET	USA 64346525					C	
7HO10020	MR MAC INGENUITY 805-ET	USA 64346505						
	MR MAC INUENDO 810	USA 64346510					C	
29HO14394	MR MAC LANDER	USA 139367049					C	
	MR MAC OF MILK 57798-ET	840003010356545						
	MR MACE COIN 8277-ET	USA 72436824						
	MR MACE OAK 8450-ET	840003013474536						
	MR MACE OAK 8452-ET	840003013474538						
	MR MACK LISTEN 57758-ET	840003010356505						3
	MR MACKENZIE-ET	USA 136385332						
7HO08886	MR MAGELLAN-ET	USA 136517025						
200HO06119	MR MAGISTRATE	USA 139807819	C					
	MR MAGNIFICENCE-ET	USA 70625782						
	MR MAGNIFICO-ET	USA 135161575						
200HO05516	MR MAILMAN-ET	USA 136779157						
	MR MAIN E GREAT 1070-ET	USA 74599847						
	MR MAIN EVENT CANTO 815-ET	USA 74414030						
	MR MAIN EVENT CANTO 819-ET	USA 74414034						
	MR MAINSTREAM MCALLISTER-ET	USA 133220225						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR MAJESTIC-ET	USA 70625779						
	MR MAJESTIC-VIEW DONNIE-ET	USA 140069253						
9HO02673	MR MAJIC TOUCH	USA 124236510						
44HO00306	MR MAJOR-ET	USA 125167552						
	MR MAJORITY	USA 138577377						
	MR MAKINAW-ET	USA 130766533						
200HO02178	MR MALIBU-ET	USA 137154942					C	
	MR MAN O MAN 490-ET	USA 62353254						
7HO11512	MR MAN-O-MAN 491-ET	USA 62353255						
	MR MAN-O-MAN BABY FACE-ET	840003006989328						
	MR MAN-O-MAN BADGER-ET	840003006989341						
	MR MAN-O-MAN IMMANUEL-ET	USA 69921948						
14HO06829	MR MAN-O-MAN IZAK 52	USA 70189494						
	MR MAN-O-MAN THEME-ET	USA 69247865						
29HO13648	MR MANAGERS LAKESIDE-ET	USA 62895873						
6HO00683	MR MANHATTAN-ET	USA 2283989	C					
	MR MANHEIM-ET	USA 130766775	C					
	MR MANO MAUER-ET	USA 140607972						
200HO05861	MR MANSION-ET	USA 138520816						
	MR MAPLE-SLOPE ALTAMONTE-ET	USA 66631942					C	
	MR MAPLE-SLOPE MABRY-ET	USA 69315198						
	MR MAPLE-SLOPE MISTER-ET	USA 66631954						
	MR MAPLE-SLOPE MONTY-ET	USA 66631950						
	MR MAPLE-SLOPE MORT-ET	USA 66631949						
11HO10990	MR MAPLESLOPE ALTAMUSTER-ET	USA 66631951					C	
	MR MAPLETURN SANCHEZ 499-ET	USA 71290418						
29HO14013	MR MAR-BIL GUSTO-ET	USA 64567405						
	MR MARBLE ROSS-ET	USA 70136040			C			
	MR MARIBEL BELUGA 55446-ET	840003010354193			C			
	MR MARIBEL CC 55470-ET	840003010354217						1
97HO41403	MR MARIBEL JACEY MARLOW-ET	840003010356101						
	MR MARIBEL PRED 75581-ET	840003010356148						
	MR MARIBEL PRED 75594-ET	840003010356180						
	MR MARILYN COIN 55325-ET	840003010354072						
534HO00048	MR MARILYN MF 55722-ET	840003010354469					C	
	MR MARILYN MF 55739-ET	840003010354486					C	
	MR MARILYN PRED 1010-ET	840003013177365						
72HO01698	MR MARIS-TW	USA 2293322						
	MR MARITA OHARE PATMOS-ET	840003014258922			C			
	MR MARITA OHARE PIERCE-ET	840003014335021			C			
	MR MARITA PRE NAVIGATOR-ET	840003013177279						
	MR MARKWELL LAYNE 10063-ET	USA 71891842						
	MR MARKWELL LAYNE 10064-ET	USA 71891843						
	MR MARLEY-ET	840003012559679						
200HO05073	MR MARQUETTE-ET	USA 133931860						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
9HO02612	MR MARSHAL-ET	USA 123854410	C					
1HO02275	MR MARSTE ELTON PROFIT-ET	USA 17203161						
	MR MARTEN-ET	USA 135967957						
200HO04964	MR MARTINI-ET	USA 133031168						
200HO05641	MR MARVEL-ET	USA 137339530						
200HO02331	MR MARVELOUS-ET	USA 138372105	C					
	MR MATLOCK-ET	USA 130766403						
	MR MATT-DARI MGL FAMOUS-ET	USA 71667891						
	MR MATT-DARI MGUL FRANCE-ET	USA 71667894						
	MR MATT-DARI MGUL FUTURE-ET	USA 71667893						
	MR MATT-DARI MOGUL FOXY-ET	USA 71667898						
	MR MAVERICK CHEV 1055-ET	USA 73899059						
	MR MAVERICK CHEV 1056-ET	USA 73899060						
	MR MAVERICK CHEV 1062-ET	USA 73899065						
	MR MAVERICK HALO BENTLEY-ET	USA 73963288						
	MR MAVRICK MARLYN COIN 1049	USA 73828412					C	
	MR MAXIMILIAN	USA 131351284						
	MR MAYA LOTTO 31394-ET	840003126775399					C	
	MR MAYERLANE SYM DA BOMB-ET	840003012901799						1
	MR MAYERLANE SYMP DELUGE-ET	840003012901797			C			1
200HO00589	MR MAYNARD-ET	USA 139644320						
	MR MAYRLANE DOUBTFUL-RED-ET	840003012901798			C			1
	MR MB-LUCKYLADY OAK 6018-ET	USA 74518070						
	MR MB-LUCKYLADY OAK 6020-ET	USA 74518072						
	MR MB-LUCKYLADY OAK 6021-ET	USA 74518073					C	
	MR MBLUCKYLADY DFDR 6017-ET	USA 74518069					C	
	MR MBLUCKYLADY DFNR 6019-ET	USA 74518071						
151HO00743	MR MCC LORENZO 15110-ET	840003012574957						
200HO10451	MR MCCARI MOTLEY-ET	840003010356665						
	MR MCCARI NOMI 57897-ET	840003010356644						
203HO01513	MR MCCUT DANTE 1407-ET	USA 72128196						
	MR MCINTOSH SNOW JOY-ET	USA 70750625			C			
	MR MCINTOSH WIND CHIME-ET	USA 70750633						3
80HO01069	MR MDMAPLELAWN ELECTRICITY	USA 136875433						
	MR MEDIC-ET	USA 134847111						
151HO03221	MR MEGA-BUCKS 31177-ET	840003126775182						
151HO03200	MR MEGA-DARE 54596-ET	840003010353343						
151HO03127	MR MEGA-DUKE 54608-ET	840003010353355						
151HO03199	MR MEGA-SHIMMER 54583-ET	840003010353330						
151HO03201	MR MEGA-SHINE 54600-ET	840003010353347						
151HO03126	MR MEGA-STAR 54563-ET	840003010353310						
	MR MEGASIRE CHRLT 54316-ET	840003010353063						
1HO09533	MR MEGATRON-ET	USA 138646561						3
	MR MELARRY ESCALADE ROD	USA 70594762						
7HO07649	MR MELARRY MAGNA JOSHUA-ET	USA 133668423						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO05436	MR MEMORABLE-ET	USA 136435046						
	MR MEMORY ALRIGHT 54698-ET	840003010353445						
	MR MEMORY KB 67412-ET	840003123611201						
	MR MEMORY RODGERS 57930-ET	840003010356677						
29HO17647	MR MERCEDES-ET	840003012559697						1
76HO00449	MR MERCURY-ET	USA 134450469						
200HO05437	MR MERIDIAN-ET	USA 136435028						
200HO01580	MR MERLIN-ET	USA 131768855	C					
29HO16908	MR MERRY-ET	USA 71494650						
200HO04607	MR METEOR-ET	USA 129707051						
	MR METRONOMY 31554	840003126775559					C	
200HO05862	MR MIDNIGHT-ET	USA 138942809	C					
29HO17648	MR MIGUEL-ET	840003012559727						1
44HO00374	MR MILKDUD-ET	USA 140955628						
	MR MILKSOURCE AFTER INEZ	USA 73200899						
100HO11061	MR MILKSOURCE GOLDWYN ALEX	USA 65747337						
7HO06194	MR MILLENNIUM-ET	USA 121621690	C					
29HO11646	MR MILLION BRADY-ET	USA 61331380						
	MR MILLION DOLLAR-ET	USA 140204151		C				
29HO11647	MR MILLION MEGA-MAN-ET	USA 61331399						
	MR MILTON-ET	USA 135968033						3
200HO02185	MR MING-ET	USA 136963406						
	MR MINI MEGA 60096-ET	840003010363843						
	MR MINI P DEDUC 18170-ET	840003123886061						1
	MR MINI P DEDUC 18178-ET	840003124584771						1
	MR MINI P MON 54501-ET	840003010353248						
	MR MINI P TEAC 54516-ET	840003010353263		C				1
	MR MINI-P ROD 54428-ET	840003010353175						1
	MR MINIE COIN 57829-ET	840003010356576						1
	MR MINIE FLAME 54345-ET	840003010353092						
	MR MINIE RODG 60116-ET	840003010363863						
	MR MINIE RODGERS 54365-ET	840003010353112						
	MR MINIE TANGO 55732-ET	840003010354479						
11HO08385	MR MINISTER	USA 133588633						
200HO03981	MR MINSTRAL-ET	USA 72102112						
	MR MINSU ABSOLUTE RANSOM-ET	USA 73624195						
	MR MINSU ARMNI RACER-RED-ET	USA 72901380						1
	MR MINSU BARBWIRE SAUVE-ET	USA 72901098						3
	MR MINSU BROKAW REGGIE-ET	USA 73624055						1
	MR MINSU CHIPPER RAQUET-ET	USA 72901238						1
	MR MINSU CHIPPER RICKY-ET	USA 72901228						
	MR MINSU CHPR SACHEL-RED-ET	USA 72901297						
	MR MINSU DOLO RASCAL-ET	USA 72289095						1
	MR MINSU DOLO ROCKY-ET	USA 72289083						1
	MR MISSOURI EXTRA-ET	840003129037879						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR MISSYLINER DOOR 54713-ET	840003010353460					C	
513HO03120	MR MISSYLINER MISTER-ET	840003010353356						
	MR MISSYLINER ROG 54752-ET	840003010353499						
	MR MIXER	USA 138942827						
	MR MJM CAMERON 157-ET	USA 70708498						
	MR MJM CAMERON 212-ET	USA 72231242						
11HO09170	MR MOBIL-ET	USA 134594367						
200HO05858	MR MODERN-ET	USA 138836795	C					
21HO01342	MR MOER-MILK IDA MARK ABE-ET	USA 2033850	C					
9HO01923	MR MOER-MILK WCM ALOIS-ET	USA 2127826						
14HO07381	MR MOGUL BARKLEY-ET	USA 72436610						
	MR MOGUL BOB	USA 72986446						
203HO01468	MR MOGUL DELTA 1427-ET	USA 72128216						
151HO00690	MR MOGUL DENVER 1426-ET	USA 72128215						
203HO01470	MR MOGUL DION 15008-ET	840003012574855						
151HO00695	MR MOGUL DRAMA 1435-ET	USA 72128224						
	MR MOGUL EARTHQUAKE-ET	USA 71428443						
	MR MOGUL LOUIE	USA 69882982						1
	MR MOGUL MANIAC-ET	USA 70187220						
7HO08239	MR MOHABI-ET	USA 135161593						
	MR MOMENTO-ET	USA 133354377			C			
29HO11793	MR MONACO-ET	USA 135161566	C					
	MR MONIQUE BRO 1002-ET	840003013177457						
	MR MONSANG DOOR LONESTAR-ET	USA 143537188						
	MR MONTEREY DEXTER-RED-ET	840003124509158						
566HO01246	MR MONTROSS CAN DO-ET	USA 74414103						
	MR MONTROSS CANTO 884-ET	USA 74414099						
	MR MOOGEN AMALUNA SEAN-ET	840003133064626						
	MR MOOGEN AMALUNA SUFJAN-ET	840003133064577						
	MR MOOGEN AMALUNA SUPER-ET	840003133064551						
	MR MOOVER-ET	USA 132519874	C					
	MR MORNINGVIEW 5253-ET	USA 69791461			C			
	MR MORNINGVIEW 5258-ET	USA 69791466						
	MR MORNINGVIEW 5266	USA 69791474						
	MR MORNINGVIEW 5284-ET	USA 69791492						1
	MR MORNINGVIEW 5318-ET	USA 69791526						
	MR MORNINGVIEW 5320-RED-ET	USA 69791528						2
	MR MORNINGVIEW 5329-ET	USA 69791537						1
	MR MORNINGVIEW 5362-ET	USA 69791570						
	MR MORNINGVIEW 5391-ET	USA 69791599						
	MR MORNINGVIEW 5447-ET	USA 69791655						
	MR MORNINGVIEW 5470-ET	USA 72044097						
	MR MORNINGVIEW 5471-ET	USA 72044098						3
	MR MORNINGVIEW 5478-ET	USA 72044105						
	MR MORNINGVIEW 5491-RED-ET	USA 72044118						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR MORNINGVIEW 5493-RED-ET	USA 72044120			C			
	MR MORNINGVIEW 5540-ET	USA 72044167						
	MR MORNINGVIEW 5541-ET	USA 72044168						
	MR MORNINGVIEW 5542-ET	USA 72044169						
	MR MORNINGVIEW 5556-ET	USA 72044183						
	MR MORNINGVIEW 5558-ET	USA 72044185						
	MR MORNINGVIEW 5567-ET	USA 72044194						1
	MR MORNINGVIEW ABEIN-ET	USA 68654423						
7HO11746	MR MORNINGVIEW ACCEPT P-ET	USA 69791602						
151HO00621	MR MORNINGVIEW ACE-ET	USA 69791598						
151HO00624	MR MORNINGVIEW ADDITION-ET	USA 69791521						1
	MR MORNINGVIEW AIR-TIME-ET	USA 69791643						
94HO16724	MR MORNINGVIEW ALADDIN	USA 69791631						
7HO11829	MR MORNINGVIEW ALDA-ET	USA 69791569						
200HO06201	MR MORNINGVIEW ALGERIA-ET	USA 65603924						1
183HO02161	MR MORNINGVIEW ALLGOOD-ET	USA 68654406						
11HO10640	MR MORNINGVIEW ALTAALBERT	USA 65603870						
	MR MORNINGVIEW APOLOGY-ET	USA 69791615						
200HO06200	MR MORNINGVIEW ARNIE-ET	USA 65603923						
	MR MORNINGVIEW ARTHUR-ET	USA 69791640						
151HO00620	MR MORNINGVIEW ASPIRE-ET	USA 69791571						
200HO02760	MR MORNINGVIEW ATLAS-ET	USA 69791614						
151HO00663	MR MORNINGVIEW RICH-ET	USA 69791493						1
	MR MOSNANG DOORMAN LASER-ET	USA 143537197						
29HO10868	MR MOTEL-ET	USA 131779862	C					
	MR MOTOWN-ET	USA 136617211						
	MR MOTRIN-ET	USA 138942845						
202HO00829	MR MOUNTAIN	NLD 739054705						
	MR MOVE ON-ET	USA 137090590						
	MR MOVIESTAR 1212-ET	USA 71494622						
	MR MOVIESTAR 1314-ET	USA 72128103					C	
	MR MOVIESTAR CAS 1310-ET	USA 72128099						
	MR MOVIESTAR CAS 1311-ET	USA 72128100					C	
	MR MOVIESTAR DADDY 1309-ET	USA 72128098					C	
	MR MOVIESTAR DADDY 1316-ET	USA 72128105		C			C	
	MR MOVIESTAR DADDY 1323-ET	USA 72128112					C	
100HO11596	MR MOVIESTAR DADDY 1341-ET	USA 72128130						
	MR MOVIESTAR DADDY 1342-ET	USA 72128131					C	
	MR MOVIESTAR DADDY 1343-ET	USA 72128132					C	
	MR MOVIESTAR DADDY 1350-ET	USA 72128139					C	
	MR MOVIESTAR EPIC 1259-ET	USA 71494669						
	MR MOVIESTAR EPIC 1266-ET	USA 71494676						
	MR MOVIESTAR EPIC 1269-ET	USA 71494679					C	
	MR MOVIESTAR EPIC 1270-ET	USA 71494680					C	
	MR MOVIESTAR EPIC 1282-ET	USA 71494692					C	

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR MOVIESTAR EPIC 1283-ET	USA 71494693						
	MR MOVIESTAR EPIC 1284-ET	USA 71494694						
100HO11520	MR MOVIESTAR GC 1191	USA 71494601						
534HO00025	MR MOVIESTAR MARDI GRAS-ET	USA 71494657						
534HO00012	MR MOVIESTAR MODEL-ET	USA 70477026					C	
	MR MOVIESTAR MOGUL 1236-ET	USA 71494646						
	MR MOVIESTAR MOGUL 1248-ET	USA 71494658					C	
	MR MOVIESTAR PET 1257-ET	USA 71494667						
	MR MOVIESTAR PETRO 1250-ET	USA 71494660					C	
	MR MOVIESTAR PETRO 1251-ET	USA 71494661						
200HO03996	MR MOVIESTAR PRODUCTION-ET	USA 71494666						
100HO11548	MR MOVIESTAR UNO 1226-ET	USA 71494636						
	MR MOVIESTAR UNO 1229-ET	USA 71494639					C	
	MR MOVIESTAR UNO 1235-ET	USA 71494645					C	
	MR MOVIESTR MYFIELD 1289-ET	USA 71494699					C	
11HO09123	MR MOZART-ET	USA 135161584						
	MR MT-MANOR SOC MITCHELL-ET	USA 140116964						
	MR MUGSY CELEBRATION-ET	840003012560033						
	MR MUGSY MUSEUM-ET	USA 72769274						
	MR MUGSY ONEOHTRIX-ET	840003013177483						
	MR MUMFORD-ET	USA 72810607						
	MR MURDOCK-ET	USA 130766524						
	MR MUSTAFA-ET	USA 72761865						1
14HO05117	MR MWC SUGARDADDY-ET	USA 61820353						
	MR MYLIFE DELTA 67456-ET	840003123611245						
1HO04409	MR MYSTIQUE-TW	USA 2190383						
	MR N-SPRINGHOPE HLG 2240-ET	USA 73523802						
	MR N-SPRINGHOPE JACEY 2413	USA 74251287						
29HO16981	MR NAMESAKE-ET	USA 71494687						
7HO10058	MR NATURERIDGE COYOTE-ET	USA 53029940						
203HO00584	MR NEU-WAY P ALY-ET	USA 137251788						
203HO00588	MR NEU-WAY SOSA ALEC-ET	USA 137251779						
	MR NFG MYRANDA 54590-ET	840003010353337						
151HO03300	MR NFG SELFMADE 54463-ET	840003010353210						
	MR NFG SIDNEY MONT 54479-ET	840003010353226						
	MR NIAGRA STATUS-ET	USA 70240170						
151HO03231	MR NIGHTOUT MON 31444-ET	840003126775449						
	MR NIKOLE 63176	840003123606965						2
	MR NO BS HDLN LIGHTNING-ET	USA 71503172						
	MR NO BS HDLNR PEPSI-ET	USA 71503173		C				
	MR NOAH-ET	USA 2228423						
1HO05362	MR NOLE RC SIGNAL-ET	USA 17173345	C					
	MR NOLIMIT COMMANDO MARTY	840003133580753						
151HO03142	MR NOM DECKER 54304-ET	840003010353051						
203HO03182	MR NOM DELIBERATE 54284-ET	840003010353031						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR NUM UNO JAKE-ET	USA 71908441						
	MR NUM UNO RICK-ET	USA 71908437						
	MR NUMERO UNO BOUNCE	USA 72546229						
7HO11945	MR NUMERO UNO ST-LOUIS-ET	840003008897845						
	MR O B CARLO-ET	USA 139619182						
	MR O B MONARCH-ET	USA 139714757						
	MR O B MONITOR-ET	USA 139714766						
151HO00744	MR OAK DELCO 57279-ET	840003010356026						
151HO00769	MR OAK DENALI 57252-ET	840003010355999						
151HO01611	MR OAK DIXON 57482-ET	840003010356229						
100HO11352	MR OBSERVER BABE-ET	USA 141086172						
	MR OBSERVER INCAHOOTS-ET	USA 70189512						
	MR OBSERVER INDULGE 100-ET	USA 70189542						
	MR OBSERVER INSIGHT 97-ET	USA 70189539						
	MR OBSERVER INSPIRE 101-ET	USA 70976709						
	MR OBSERVER INSURE 65-ET	USA 70189507						
543HO00080	MR OCD 1STCLASS DION-ET	840003131668273						
7HO12317	MR OCD DAY DEION SANDERS-ET	840003010975720						
	MR OCD DAYS OF THUNDER-ET	840003008315966						
7HO12111	MR OCD EPIC DRAGONHEART-ET	840003009533223						
	MR OCD FREDDIE SAFARI-ET	840003009532850						
	MR OCD FREDDIE SALEM-ET	840003009532855						
7HO12512	MR OCD HALOGEN DERBY-ET	840003014364809						
7HO12440	MR OCD JOHNSON THE DUDE-ET	840003011890151			C			
	MR OCD LITHIUM DAVINCI-ET	840003009533815						
1HO11525	MR OCD MOGUL ELUSIVE CRI-ET	USA 71451869						
1HO11528	MR OCD MOGUL EMERALD CRI-ET	USA 71451872						
	MR OCD MONTROSS DARTON-ET	840003014365283						
	MR OCD POWERBALL DUCKY-ET	840003127602043						
	MR OCD PREDESTINE DODGE-ET	840003011889639						
7HO11524	MR OCD ROBUST DANTE-ET	840003006989485						
7HO11525	MR OCD ROBUST DONATELLO-ET	840003006989495						
183HO02169	MR OCD SNOWMAN DIGBY-ET	840003008315818						
250HO11735	MR OCD SNOWMAN DOWNTOWN-ET	840003008315582			C			
1HO08044	MR OLSONS INFINITY BANNER	USA 17122944						
	MR OLYMPIAN 54598-ET	840003010353345						
29HO13100	MR OMAN MYSTIC-ET	USA 136462679						
	MR ONE-O-ONE MOGUL ZEKE-ET	USA 72499127						
	MR ONE-O-ONE MOGUL ZERO-ET	USA 72499128						
	MR ONE-O-ONE UNO ZAC-ET	USA 72301055						
	MR ONE-O-ONE ZEUS	840003129743326						
	MR OPSLWILSTR MCC D-TOWN-ET	USA 72182379		C				
	MR OPSLWILSTR MCC DOCTOR-ET	USA 72182378		C				
	MR OPSLWILSTR NOMN DANDY-ET	USA 73916763		C				
	MR OUTLAW CRI-ET	840003011816178						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR P MATCHBOX-ET	USA 142136843						
	MR P MEANSTREAK-ET	USA 142129287						
	MR P MEGAMILLION-ET	USA 142129296						
	MR P-CHASSITY CANNON-ET	USA 72368784			C			
	MR P-CHASSITY CASH OUT-ET	USA 71809431						
	MR P-CHASSITY CASH-IN-ET	USA 71809433						
	MR P-CHASSITY CASTLE-ET	USA 71809442					C	
	MR P-CHASSITY CATCH ME-ET	USA 71809429						
	MR P-CHASSITY CHABOT-ET	USA 72368783						
	MR P-CHASSITY CHARTER-ET	USA 71809439						
	MR P-CHASSITY CONTOUR-ET	USA 71809440					C	
	MR P-CHASSITY CRUSADER-ET	USA 71809428						
	MR PACHA-ET	USA 2015996						
	MR PALMYRA SS FREEDOM-ET	USA 72278435						
7HO09591	MR PAPPYS DURHAM 592-ET	USA 62195106						
7HO09590	MR PAPPYS PADRE-ET	USA 63355876						1
94HO11267	MR PARADISE PERFORMANCE-ET	USA 133495272						
200HO00308	MR PARADISE-ET	USA 133496170						
	MR PARADOX PANTHER-RED-ET	USA 61076924						
11HO07980	MR PARAGON-ET	USA 133115019						
	MR PARTICULAR-TW	USA 138836580						
	MR PAT ALEX PRESLEY-ET	USA 69033374					C	1
	MR PAT PLANET PERSIST-ET	USA 69033372						
	MR PAT PLANET PERSUADE-ET	USA 69033373						
	MR PAT SANCHEZ PORSCHE-ET	USA 69320560						
	MR PATIENCE PANTHER-ET	USA 72090431						
	MR PATIENCE PASSPORT-ET	USA 72090432						
	MR PATIENCE PATENT-ET	USA 72090450						
	MR PATIENCE POISON-ET	USA 72090434						
	MR PATIENCE POWERFUL-ET	USA 72090433						
	MR PEACH-STATE STEADY P	USA 71351535						
29HO14179	MR PENCE-ET	USA 65671567						
	MR PENNYS PRONTO PINSTAR-ET	USA 65671605						
	MR PENROSE DESTROY PRETEND	USA 65759468						
	MR PESCE AIKMAN PEYTON-ET	840003013923825						
	MR PESCE AIKMAN PUMA-ET	840003013923814						
	MR PESCE ENFORCER PIRATE-ET	USA 72504219						
	MR PESCE ENFORCER PULSAR-ET	USA 72504220						
	MR PESCE JABIR PUTMAN-ET	840003013923959						
29HO17808	MR PFAFFS HP CONTENDER-ET	840003014496237						
	MR PFAFFS HP JACEY CARLTON	USA 73224634						
	MR PG MOON OF IMAGE 84-ET	USA 68714606						
	MR PHEASANT MAGNIFY-ET	USA 17223040						
	MR PINE-TR 9071 MASS 588-ET	USA 74025010						
	MR PINE-TREE 38 SUPERS 819	USA 72064053						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR PINE-TREE MECAN CRI-ET	USA 65801525	C					
1HO09788	MR PINE-TREE MINDORO CRI-ET	USA 65801527						
	MR PINE-TREE MOSLING CRI-ET	USA 65801529		C				
	MR PINETREE 4612 NU1 717-ET	USA 72063951						
	MR PINETREE 4612NUMI 680-ET	USA 71178882						
	MR PLAN 2216-ET	840003010225813						
	MR PLANET CHARIOT-ET	USA 140621541						
	MR PLANET COMET-ET	USA 140204142						
	MR PLANET COSMOS-ET	USA 140204133						
14HO06230	MR PLANET ICON-ET	USA 65588864						
7HO10623	MR PLANET IGLOO-ET	USA 65588863						
100HO11062	MR PLANET MIRACLE-ET	USA 139497496						
	MR PLANTIUM-ET	USA 65671568						
	MR POLY-KOW MICKEY-ET	USA 131837991						
200HO04454	MR POLY-KOW MUNCIE	USA 127943338						
	MR POLY-KOW SNOWMAN AJAX-ET	USA 56400700			C			1
	MR POPLAR-KNOLL MICH MEL-ET	USA 64801614						
	MR POTENTIAL-ET	USA 64980720						3
1HO08976	MR POTTER LOTTERY	USA 62833514	C					
1HO06105	MR POTTERS-FIELD JAY 95-ET	USA 17011673						
1HO11915	MR POWER CHILI PEPPER-P-ET	840003129037649						
	MR POWER SURGE-ET	840003130626289						
151HO01602	MR PRE DIRECTOR 57512-ET	840003010356259						3
7HO10652	MR PRES-DELL-JCMP LANNY-ET	USA 60600766						
	MR PRES-DELL-JCMP LENNY-ET	USA 60600765						
534HO00035	MR PRESIDENT-ET	840003013923845						
	MR PRIDE BUD IDEA 177	USA 70976785					C	
	MR PRIDE HERO IRISH 161	USA 70976769					C	
	MR PRIDE HERO ITSTIME 167	USA 70976775						
	MR PRIDE INDELIBLE 154-ET	USA 70976762						
	MR PRIDE INDSTRCTBLE 155-ET	USA 70976763						
	MR PRIDE IOTA TOLL 86	USA 70189528						
	MR PRIDE JRDN WHISKEY104-ET	USA 70976712						
	MR PRIDE JRDN WORTHY 115-ET	USA 70976723						
1HO10686	MR PRIDE M-O-M TRAVINO-ET	USA 70189530						
	MR PRIDE MGL ISHOULD 189-ET	USA 70976797						
	MR PRIDE MGUL IDUNNO 190-ET	USA 70976798						
	MR PRIDE PLANET TAP 872-ET	USA 65718807						
	MR PRIDE ROSS INCREASE 111	USA 70976719						
	MR PRISTINE GAL 18132-ET	840003014334913						
	MR PRISTINE LUCY 31024-ET	840003126775029						
	MR PRISTN EDG COLT 25043-ET	840003013923892						
	MR PRISTN EDG COLT 25044-ET	840003013923888						
	MR PRISTN EDG COLT 25045-ET	840003013923891						
	MR PRISTN EDG COLT 25047-ET	840003013923960						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR PRISTN EDG COLT 25049-ET	840003013923989						
	MR PROFIT PAUL-ET	840003130765046						
	MR PRONTO DEMOCRAT-ET	USA 139383263						
	MR PRONTO MANNER-ET	USA 139336421						
	MR PT LOL DOR 157-RED-ET	USA 72954556					C	
	MR R&T MOGUL 5647	USA 71904647						
29HO16924	MR R-E-W TM FIREBALL-ET	USA 71856690						
	MR RABUR S PEERLESS-TW	USA 140667862						
	MR RACER BABY BACK-ET	840003126918417						
	MR RACER LAZER	USA 74346964						
	MR RACER LUST MAN-ET	840003126918406					C	
	MR RACHEL DRACO 31588-ET	840003126775593						
	MR RACHEL KINGBOY 31509-ET	840003126775514						
	MR RAILANE ALEX LINWOOD-ET	USA 62114117						1
	MR RAILANE ALEX LIPAZAN-ET	USA 62114116						
14HO05843	MR RAILANE BOL LIMELITE-ET	USA 62114100						
	MR RAILANE BOLIVER LINDBERG	USA 62114115						
	MR RAILANE EARNT LINCOLN-ET	USA 62114113						
29HO13818	MR RAILANE LINFORD-ET	USA 62114099						
	MR RAILANE RAMOS LEONARD-ET	USA 62114103						
7HO11181	MR RAILANE SHOT AL LIMO-ET	USA 62114120						
	MR RAILANE SHOT LOTTAL-ET	USA 62114118						
7HO11116	MR RAILANE SHOT LUTHER-ET	USA 62114119						
1HO04981	MR RAINBOW HARDTAC JONAS	USA 2262678						
1HO05185	MR RAINBOW NIBE-ET	USA 17042985						
1HO04880	MR RAINBOW-RED-ET	USA 2260994						
	MR RAMA-WAY HARRIS-ET	840003012584782						1
	MR RAMA-WAY HOMERUN-ET	840003012584801			C			
	MR RAMA-WAY MILES 239-ET	840003012584814			C			
	MR RDCRPT ODADDY DARK THIRT	USA 72497496						
	MR RECORD-RED-ET	USA 71399578						
	MR REDCARPET O DADDY DEPAUL	USA 72352926						
	MR REDLIGHTS REVENGE-RED-ET	USA 142494989						1
7HO10106	MR REDLINER NOTTINGHAM-RED	USA 65622670						1
	MR REFLECTOR GOLA 818-ET	USA 74414033						
200HO05125	MR REGANCREST ALIK	USA 60540493						
	MR REGANCREST BLACKVILLE-ET	USA 66626622						
	MR REGANCREST BOWSER FARRO	USA 66626346						3
	MR REGANCREST BRADNICK FEN	USA 73191502						
	MR REGANCREST BRODERICK-ET	USA 66626520						
	MR REGANCREST BURBANK-ET	USA 66626521						
11HO05257	MR REGANCREST CARSON-ET	USA 17319162						
11HO07887	MR REGANCREST DATAN-ET	USA 60540245						
	MR REGANCREST DEDUCTIVE DON	USA 73191457						
7HO07783	MR REGANCREST DESTINY	USA 60540550						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO07566	MR REGANCREST DEX-ET	USA 60540246						
7HO07510	MR REGANCREST DIAZ-ET	USA 60540188						
29HO11103	MR REGANCREST DUTCH-ET	USA 60540148						
	MR REGANCREST G CLASSIC-ET	USA 66625878					C	1
	MR REGANCREST GABOR GENERAL	USA 73191403						1
	MR REGANCREST GALE-ET	USA 60540464	C					
	MR REGANCREST KEYSTONE	USA 60540351						
7HO09782	MR REGANCREST L ARLONZO-ET	USA 62496754						
	MR REGANCREST L CALE-ET	USA 66626630	C				C	
	MR REGANCREST L CELO-ET	USA 66626646	C					
	MR REGANCREST L CHARLES-ET	USA 66626649	C					
	MR REGANCREST L CHARO-ET	USA 66626650						
	MR REGANCREST L CHASER-ET	USA 72090488	C				C	
	MR REGANCREST L CHESNEY-ET	USA 72090496	C				C	
	MR REGANCREST L CHESTER-ET	USA 72090498	C				C	
	MR REGANCREST L CIVIC-ET	USA 66626651	C				C	
	MR REGANCREST L PAGER-ET	USA 72090489						
7HO11080	MR REGANCREST MANO ARRIK-ET	USA 66625990						
76HO00277	MR REGANCREST MANTON-ET	USA 17294577						
	MR REGANCREST MILESTONE-ET	USA 66625995		C				
	MR REGANCREST MLKMN GREG-TW	USA 73191337						
	MR REGANCREST MR ARLON-ET	USA 64943628						
1HO10263	MR REGANCREST MR CAIRO-ET	USA 66625997					C	
	MR REGANCREST MR CALIX-TW	USA 66625991						
	MR REGANCREST MR CALLUM-ET	USA 66626010					C	
	MR REGANCREST MR EXP CHAZZ	USA 70243203						
	MR REGANCREST MR PILSNER-ET	USA 72090549						
	MR REGANCREST MR SAXTON-ET	USA 73191551						
	MR REGANCREST PARKER-ET	USA 72090545						
	MR REGANCREST PRINCE	USA 127640392						
	MR REGANCREST PURE COBRA	USA 73191374						
7HO07780	MR REGANCREST ROY RACER	USA 60540387						
11HO05336	MR REGANCREST-DF FOSTER-ET	USA 122905458						
11HO06177	MR REGANCREST-JB DALSTON-ET	USA 125344937						
200HO04602	MR REGANCREST-WS DUKIE	USA 207189027	C					
	MR REGEL SPRING CAMERON-ET	USA 71229647						
	MR REGELCREEK ADAM-ET	USA 69529189						
	MR REGELCREEK ANDY-ET	USA 69529188						
	MR REGELCREEK CMRN ARLEY-ET	USA 69529187						
7HO10176	MR REGELCREEK SHOT AL-ET	USA 53557278						
7HO10059	MR REGELCREEK SHOT ALAN-ET	USA 53557280						
	MR REGELCREEK SHOT ALMO-ET	USA 53579693						
9HO02210	MR RGI JED SPECTATOR	USA 2264446						
7HO07907	MR RI-VAL-RE 2184 AJ-RED-ET	USA 60815550						
1HO08220	MR RI-VAL-RE P LUKE-RED-ET	USA 60815554						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR RICH-J EXPLODE AKITI	USA 72923542						
1HO08039	MR RICHLO LINGO LOIS	USA 121314439						
	MR RICKLAND ACCEPT P 784	USA 71577510						
7HO07190	MR RICKLAND ADDISON BO-ET	USA 131720765						
11HO09720	MR RICKLAND ALTALYCOS-ET	USA 136627629						
	MR RICKLAND BAXTER ETHAN-ET	USA 139640139						
7HO08664	MR RICKLAND BEST DALE-ET	USA 135767100						
7HO08665	MR RICKLAND BEST EMBLEM	USA 135767173						
1HO08863	MR RICKLAND BOLIVAR ERIC-ET	USA 136529921						
	MR RICKLAND EMILIO-ET	USA 139304428						
1HO09237	MR RICKLAND GOLD CARD-ET	USA 137688942						
29HO13489	MR RICKLAND GOLD EMBLEM-ET	USA 137688951						
1HO05155	MR RICKLAND INFINITY LORON	USA 2291596						
29HO13858	MR RICKLAND JET ELI-ET	USA 138595164						
1HO09537	MR RICKLAND JET ELVIS-ET	USA 138310745						
1HO09327	MR RICKLAND MAG EVAN CRI-ET	USA 62768996						
7HO07353	MR RICKLAND MARSHAL LYLE-ET	USA 132189019						
1HO10223	MR RICKLAND MICHAEL COPY-ET	USA 140338650						
	MR RICKLAND MOSCOW ED-ET	USA 139647574						
	MR RICKLAND MOSCOW ETHAN-ET	USA 139975253						
	MR RICKLAND MOSCOW EZRA-ET	USA 139985894						
	MR RICKLAND PICARDUS 850	USA 73814048						
1HO08069	MR RINIKER HERO HULK	USA 121326559			C			
	MR RIVALRE BURNS GIB-RED-ET	USA 66281860						3
97HO41349	MR RIVERBOY	NLD 767661874						
1HO03922	MR RJR DRAKKAR-ET	USA 2298141						
	MR RNSMRAIL DAVINCI AXEL-ET	USA 74158350						
	MR RNSMRAIL DAVINCI AXTON-ET	USA 74158354						
	MR ROBUST BILLIONAIRE-ET	USA 143215505						
	MR ROCCO-ET	USA 72693304						
1HO06116	MR ROCKLAN HUNTER JUMPER-ET	USA 2296966						
151HO05801	MR ROCKLEDGE RIMSHOT-RED-ET	USA 65751284		C				3
7HO10468	MR ROCKTON MLND MOREY-ET	USA 65290856						1
21HO01263	MR ROCKY RIDGE MARK A CINCH-ET	USA 2005691						
200HO09047	MR RODIN-ET	USA 135645516	C					
	MR ROLLEN-NS 5094 P-RED-ET	USA 73756163						
	MR ROLLEN-NS 5115 P-RED-ET	USA 73756184						
	MR ROLLEN-NS B LUG P-RED-ET	USA 71446359						1
	MR ROLLEN-NS BT LONE-RED-ET	USA 71446347						1
	MR ROLLEN-NS BUDDY P-RED-ET	USA 73756177						1
	MR ROLLEN-NS CAM LEXIS P-ET	USA 71446348						
54HO00720	MR ROLLEN-NS CAMR LONG P-ET	USA 71446356						
	MR ROLLEN-NS CAMR LOOP P-ET	USA 71446357						
	MR ROLLEN-NS CHMP DAN PP-ET	USA 64010294						1
	MR ROLLEN-NS DANDY PP-ET	USA 73756169						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR ROLLEN-NS DANE P-RED-ET	USA 73756180						1
	MR ROLLEN-NS DAX P-RED-ET	USA 71446391						
	MR ROLLEN-NS DING PP-RED-ET	USA 73756187						1
	MR ROLLEN-NS HALGN DUDLEY P	USA 73756173						
	MR ROLLEN-NS LARRY P-RED-ET	USA 71446361						1
	MR ROLLEN-NS LATCHET P-ET	USA 71446367						
	MR ROLLEN-NS LAVA P-RED-ET	USA 71446363						
	MR ROLLEN-NS LEAN P-RED-ET	USA 71446362						
	MR ROLLEN-NS LENT P-RED-ET	USA 71446380						
	MR ROLLEN-NS LEO P-RED-ET	USA 71446375		C				
	MR ROLLEN-NS LG DANNY P-ET	USA 71446383						
	MR ROLLEN-NS LG DONNY P-ET	USA 71446386						
	MR ROLLEN-NS LONG DREW P-ET	USA 71446390						
200HO10035	MR ROLLEN-NS LOT P-ET	USA 71446354						
	MR ROLLEN-NS LOUD P-RED-ET	USA 71446360						1
	MR ROLLEN-NS LUCAS P-RED-ET	USA 71446379						
542HO05306	MR ROLLEN-NS LUMBER PP-ET	USA 71446368						
	MR ROLLEN-NS M LEE P-RED-ET	USA 71446377		C				3
7HO12557	MR ROLLEN-NS OS LATCH-PP-ET	USA 71446393						
	MR ROLLEN-NS PB LEN PP-ET	USA 73756191						
	MR ROLLEN-NS STY LAPSE P-ET	USA 73756158						
	MR ROLLNVIEW LOTTO ABUDHABI	840003124680387						
	MR ROLLNVIEW SYMPATICO DUAL	840003124680342						
73HO01530	MR ROMANDALE ROCKWELL-ET	CAN 402302						
	MR RON-NAN PRINCE-ET	USA 2150703			C			
	MR RONELEE MAGNIFY-ET	USA 139987421			C			
	MR RONELEE MARINER-ET	USA 140080137						
	MR RONELEE MATCHLESS-ET	USA 139987467						
	MR RONELEE MEGABYTE-ET	USA 140080128						
29HO14588	MR RONELEE MEGAPIXEL-ET	USA 139987458			C			
7HO08592	MR ROSEDALE-L TRIBUTE-ET	USA 135172667						
	MR ROSLEN MALRY GRET-ET	USA 141380940						
	MR ROSS ICEBERG-ET	USA 69921955						
	MR ROSYLANE DARNELL-ET	840003128977829						
	MR ROSYLANE DAVIDIAN-ET	840003128977827						
	MR ROSYLANE JOSUPER 1750-ET	840003013115103						
	MR ROSYLANE JOSUPER 749-ET	840003013115102						
	MR ROSYLANE MERIDIAN 1611	USA 70694673						
29HO16365	MR ROSYLANELLC MACON-ET	USA 69092931						
	MR ROYAL-VISTA RUBICON 151	840003126224089						
	MR RRW BURNS-RED-ET	USA 139804133		C				3
	MR RRW LAWNBOY MAPLE-RED-ET	USA 66652094						
	MR RUBARB OAKLEY	USA 74112156						
	MR RUBI-AGRONAUT 73287-ET	840003132198315						
151HO03209	MR RUBI-LOU 54714-ET	840003010353461						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
54HO00638	MR RUBY JET-ET	USA 139263840						
7HO06261	MR RUBYTOM CLASSIC-TW-ET	USA 123444565						
1HO02340	MR RUBYTOM CLAUDE-TW-ET	USA 123850975						
	MR RUF HARBAUGH CAM-ET	USA 53579533						
	MR RY-HI AFTERSHOCK ALEX-ET	USA 142574434					C	
	MR S TITUS-ET	840003130626337						
	MR S-S-I BAXTER MEXICO-ET	USA 66260469						
7HO10496	MR S-S-I BOLIVER CHAS-ET	USA 66260462						
7HO10494	MR S-S-I BOLIVER MIRAGE-ET	USA 66260454						
	MR S-S-I BOLIVER MO-ET	USA 66260457						
	MR S-S-I BOLIVER RIVAL-ET	USA 66260453						
	MR S-S-I P-K B 4801-ET	USA 66260740						
	MR S-S-I P-K BOL TEAL-ET	USA 66260739						
	MR S-S-I P-K BOL TEASE-ET	USA 66260741						
	MR S-S-I P-K COLBY JADE-ET	USA 66260659						
7HO10910	MR S-S-I PLANET SHOP-ET	840003006972776						
	MR S-S-I ZENITH IKE-ET	USA 66260466						
	MR SAHARA POLLED PRINCE-ET	840003013235181						
11HO11420	MR SAINTVILLE ALTALUGER-ET	USA 71908420						
	MR SAINTVILLE GRT MAGIC-ET	USA 70721122						
	MR SAINTVILLE LEXOR MARK-ET	USA 71908418						
	MR SAINTVILLE LEXOR MATT-ET	USA 71908419						
	MR SAINTVILLE LEXR MARTY-ET	USA 71908423						
	MR SAINTVILLE STRLNG 394-ET	USA 70721157						
534HO00061	MR SALVATORE RC-ET	840003129037884						
	MR SANDY-VALLEY COMANCHE	USA 66019389						
	MR SANDY-VALLEY GLORIOUS-ET	USA 66726507						1
	MR SANDY-VALLEY GLORUS-ET	USA 66726510						1
200HO02218	MR SANDYVALY CHASE-ET	USA 62188634					C	
	MR SASHA DELTA 67455-ET	840003123611244						
	MR SASHA ERSR 63169	840003123606958						
	MR SASHA FLM 60092-ET	840003010363839						
	MR SASHA POWER 71163-ET	840003123614952						
	MR SASHA POWERBALL 71035-ET	840003123614824						
	MR SASHA RODG 31486-ET	840003126775491						
	MR SASHA RUSH-ET	USA 66895483						
	MR SASHA RUSHMORE-ET	USA 66895480						
	MR SASHA SILVR 70895-ET	840003123614684						
	MR SATIN CHV 57840-ET	840003010356587						
	MR SATIN JEROD 55524-ET	840003010354271						
76HO00628	MR SAVAGE-ET	USA 66985574						1
	MR SCARLET SILVR 70837-ET	840003123614626						1
1HO08014	MR SCHERER GARTH	USA 121326401						
	MR SCHULTZ BLARNEY-ET	USA 135774971						
1HO08819	MR SCHULTZ GILBERT RAMEY-ET	USA 136166993						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO08625	MR SCHULTZ OMAN BUTCH-ET	USA 135872035						
7HO08624	MR SCHULTZ OMAN RIPPLEY-ET	USA 135947252			C			
7HO08541	MR SCHULTZ OMAN ROCKY-ET	USA 135645534						
1HO08646	MR SCHULTZ RENO CRI-ET	USA 62030779						
7HO08542	MR SCHULTZ THRONE ROAN-ET	USA 135645525	C					
14HO04981	MR SCHULTZ VIXEN RAD-ET	USA 135689862						
	MR SCO-LO-KRUSE ROCKBAND-ET	USA 72916629						
	MR SCO-LO-KRUSE ROXSTAR-ET	USA 72916621						1
76HO00630	MR SCORPIO-ET	USA 66985541					C	1
200HO05470	MR SCOTTISH-ET	USA 62176885						1
49HO00553	MR SCRTCHWELL ROONEY-RED-ET	USA 69626221						
	MR SCS CADILLAC-ET	USA 134986760						
44HO00451	MR SEAGULL-BAY JLG MANNY-ET	840003124720341						
29HO18161	MR SEAGULL-BAY SANDAL-ET	840003124720476						
44HO00453	MR SEAGULLBAY JLG MIGHTY-ET	840003124720314						
	MR SECRET-ET	USA 62176906						1
7HO09094	MR SECRETS SANTA-ET	USA 62176883						1
	MR SENDER JACKNIFE 71089-ET	840003123614878						
	MR SEUBERT BRYCE-PP	USA 73196213						
14HO07180	MR SHAMROCK AERIAL-ET	USA 70476935						
100HO11507	MR SHAMROCK COMMANDER-ET	USA 71013520						
	MR SHAMROCK RAGE-ET	USA 70563157						
	MR SHAMROCK SAM-ET	USA 141611211						
	MR SHANNONDOAH DRYDEN	USA 2275645						
	MR SHAQUILLE ANDRES-ET	USA 68776091						
	MR SHAQUILLE APPETIZER-ET	USA 68776090					C	
	MR SHAQUILLE APPLEJUICE-ET	USA 69175331						
1HO06090	MR SHEY-LAND GUNNER-ET	USA 2296645						
11HO11031	MR SHILOH ALTAMOONROCK-ET	USA 68583059		C				
	MR SHILOH-USA MOONDANCE-ET	USA 70594191						1
	MR SHILOH-USA MOONDREAM-ET	USA 70594200						
	MR SHILOH-USA MOONDUST-ET	USA 70594187			C			
	MR SHILOH-USA MOONSTORM-ET	USA 70594403						
	MR SHIMMER SAFARI 55616-ET	840003010354363						1
	MR SHIMMER SCOTCH 63078-TW	840003123606867						
1HO06976	MR SHIPS-HOLM CON GERHARD	USA 130745574						
1HO06668	MR SHIPS-HOLM MTOTO GILROY	USA 128839171						
14HO03028	MR SHIPSHOLM GALANT-ET	USA 17192667						
1HO06248	MR SHIPSHOLM GLENWOOD-ET	USA 17192679						
1HO07203	MR SHIPSHOLM HERALDGRANT-ET	USA 130661753						
151HO00723	MR SHOT DANE 15015	840003012574862						
151HO00696	MR SHOT DOZER 1491-ET	USA 72128280						
	MR SHOTGLASS MON 54725-ET	840003010353472						
	MR SHOTTLE ED-ET	USA 139307560	C					
	MR SHOTTLE EDDY-ET	USA 139325964	C					

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
1HO02729	MR SHOTTLE EDEN-ET	USA 139325955	C		C		C	
	MR SHOTTLE MUREX	USA 139068575			C			
	MR SHOTTLE SALVADOR-ET	USA 66985576						
	MR SHOTTLE SANTANA-ET	USA 66985575						1
	MR SHOTTLE SEDGWICK-ET	USA 66985577						1
	MR SHROCK ALABAMA	USA 72227639						
11HO09535	MR SHULTZ WIZBANG-ET	USA 136375849						
	MR SIDNEY MARTIN-ET	USA 139644311						
	MR SIEMERS COLT DESIGN-ET	840003013844446						
	MR SIEMERS COLT MISTER-ET	840003013844488						
	MR SIEMERS COLT MISTY-ET	840003013844432						
200HO10328	MR SIEMERS DESIGNER-ET	840003123737793						
	MR SIEMERS GO-GET-EM-ET	840003123738484						
	MR SIEMERS GOLD-ET	840003123738453						
	MR SIEMERS JACKMAN VISA-ET	840003123737862						
	MR SIEMERS MGR OPIUM-ET	USA 64886599						
	MR SIEMERS MGR OPTION-ET	USA 64886617						
	MR SIEMERS MISSTER-ET	840003013844681						
	MR SIEMERS MISSY1-ET	840003013844660						
	MR SIEMERS VISE-ET	840003123737800						
	MR SIEMERS VISION-ET	840003013844782			C			
	MR SIEMERS VIZINE-ET	840003123737835						
	MR SIEMERS VIZIO-ET	840003123737815						
7HO09195	MR SILVAMOO GOLDWYN LITO-ET	USA 62551187						
	MR SILVAMOON ENCINO LINK-ET	USA 64543260						
	MR SILVER KNIGHT 74536-ET	840003132348370						
	MR SILVERGATE BXTER BURT-ET	USA 66761001						
	MR SILVERGATE RIVER-ET	USA 66534518						
	MR SILVERGATE RIVERLAND-ET	USA 66534525						
	MR SILVERGATE RVER DELTA-ET	USA 66534526						
	MR SILVR-SHA LRGE BENTLY-ET	USA 71726087						
	MR SIMPLE-DREAMS OAK 537-ET	USA 72933593						
	MR SIMPLE-DREAMS OAK 544-ET	USA 72933600						
	MR SIMPLE-DREAMS OAK 550-ET	USA 72933606						
29HO17738	MR SIMPLEDREAMS CADET-ET	USA 72511204						
29HO17737	MR SIMPLEDREAMS CODY-ET	USA 72933477						
29HO17736	MR SIMPLEDREAMS CYRUS-ET	USA 70896040						
	MR SIMPLEDREAMS GLXY 301-ET	USA 72933357						
	MR SIMPLEDREAMS GLXY 308-ET	USA 72933364						
	MR SIMPLEDREAMS SHAN 253-ET	USA 72511225						
	MR SIMPLEDREAMS SSRE 650-ET	USA 73402237						
	MR SINGER FLAMER 71152-ET	840003123614941						
	MR SIZZLE CASHCOIN 1495-ET	USA 72128284						1
44HO00517	MR SIZZLE CASHCOIN 1501-ET	USA 72128290						1
	MR SIZZLE CASHCOIN 1503-ET	USA 72128292						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR SIZZLE COIN 1506-ET	USA 72128295						1
	MR SIZZLE COIN 1513	USA 72128302						
	MR SIZZLE COLT 15111-ET	840003012574958						
	MR SIZZLE DOLO 8372-ET	USA 72436919						1
	MR SIZZLE JC 54553-ET	840003010353300						
	MR SIZZLE LITHIUM 8252-ET	USA 72436799						
	MR SIZZLE LITHIUM 8263-ET	USA 72436810						
	MR SIZZLE LITHIUM 8269-ET	USA 72436816						
	MR SIZZLE MEGASIRE 60053-ET	840003010363800						1
	MR SIZZLE MEGASIRE 60062-ET	840003010363809						
202HO01538	MR SIZZLE MONEY P-ET	USA 72436862						1
	MR SIZZLE OAK 57499-ET	840003010356246						1
	MR SIZZLE RUB 54624-ET	840003010353371						1
9HO02327	MR SLOCUM ENTERPRISE-ET	USA 2290627						
	MR SLVERGATE JRS RIVIERA-ET	USA 66534523						
14HO06787	MR SLVR-SHA JEEVES BLAZE-ET	USA 69215330						1
14HO06786	MR SLVR-SHA JEEVS BERNIE-ET	USA 69215328						1
1HO05409	MR SME BW PRANCER TCG-ET	USA 17258737			C			
200HO02816	MR SNOWBASES-ET	USA 70476875			C			
	MR SNOWFLAKE MASCEL-ET	USA 72436653						
	MR SNOWFLAKE MASCELESE-ET	USA 72436649						
	MR SNOWFLAKE UNO 8334-ET	USA 72436881						
	MR SOCRATES SABER-ET	USA 139862450						
	MR SOFIAS SS SUMMIT-ET	840003129037907						
	MR SOFIAS STARSTRUCK-ET	840003129037889						
	MR SOFIAS STRATOSPHERE-ET	840003129037728						
7HO07389	MR SOLID-GOLD LANDMARK-ET	USA 60362005						
	MR SOLID-GOLD LASHBOY-ET	USA 60697333						
	MR SONNEK HEROS CUPID	USA 72199449						
200HO04233	MR SOSA-ET	USA 123854401						
	MR SPARK AMPED-ET	840003127659276						
	MR SPARK MANSPARK-ET	840003130784860						
	MR SPEEK-NJ SILVER CLEO-TW	840003127066519						
	MR SPRING NIGHT 74658-ET	840003132348492						
	MR SPRING NIGHTCAP 74636-ET	840003132348470						
	MR SQ TANGO AMAZING-ET	840003013074553						
	MR SQ TANGO AVATAR-ET	840003013074560						1
100HO10652	MR SS CHALLENGER-ET	USA 137366707						
	MR SS MAVERICK 62715-ET	840003010366462						
	MR SSI BALISTO TURBO-ET	840003012130242		C				
	MR SSI CHEVROLET CRUZ-ET	840003125325341						
	MR SSI EXPLODE BOGGS-ET	USA 71129343				C		
	MR SSI GOLDCHIP PLAYBOY-ET	840003009554586						
7HO11633	MR SSI ROSS SILVERSURFER-ET	840003008328819			C		C	
	MR SSI SHAMROCK ALIAS-ET	USA 71129291						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
7HO11980	MR SSI UNO CLASSY COWBOY-ET	840003011001273						
	MR ST GENOMICPRO 60378	840003010364125						
	MR ST-JACOB MXW CARL-RED-ET	USA 70280367						
	MR ST-JACOB SOLO CUP-RED-ET	USA 70280368						
	MR STANTONS AGREE 3464-ET	840003127943737						
	MR STANTONS KB 6343 3564-ET	840003129015961						
	MR STANTONS ME 6717 3447-ET	840003126822679						
	MR STARDELL GALAXY MANNY-ET	USA 72569271						
	MR STARDELL SPRSIRE MOJO-ET	USA 72102233						
44HO00425	MR STARDELL UNO MAESTRO-ET	USA 72102182						
	MR STJ-BC DOORMAN PARTYTIME	840003127934886					C	
	MR STONE-FRONT ARCHRVL ARES	840003133887811						
	MR STOOTS FX-DN SLY	USA 71461503						
	MR STRANSHOME TATTOO	USA 143206497						1
	MR STRAUSSDALE DOMINATE-ET	USA 70286213						
	MR STUNNING DAMARIS BANNER	840003130383772						
	MR STUNNING MONTROSS ELLIOT	USA 73983436						
	MR SULLY ANONYMOUS-ET	USA 129011273	C					
7HO07357	MR SULLY HERSHEL ROBBY-ET	USA 132277402						
203HO00498	MR SULLY OLLIE-ET	USA 130408554						
	MR SULLY SAWYER-ET	USA 126719378						
	MR SULLY SHOTTLE DALLAS-ET	USA 53453905						
	MR SULLY SHOTTLE DRURY-ET	USA 53453907			C			
	MR SULLY VANDON-ET	USA 2241496						
1HO08025	MR SUNNY SECTION STEADY	USA 121326483						
	MR SUNROSE SATURN	USA 142925043						
54HO00754	MR SUNVIEW COIN SUNFISH-ET	840003012643773						1
	MR SUNVIEW COIN SURFER-ET	840003012643767						1
200HO10452	MR SUNVIEW HULISTO-ET	840003123773577						
	MR SUNVIEW HUMPHREY-ET	840003123773578						
	MR SUNVIEW JABIR CHANCE-ET	840003012643780						
	MR SUNVIEW LIS ADONIS-ET	840003010271796			C			
	MR SUNVIEW PRED SUNSPOT-ET	840003012643781						
200HO10498	MR SUNVIEW SCROLL-ET	840003123773585						
	MR SUNVIEW SE SALUTE-ET	840003010271797						
	MR SUNVIEW SE SLOGAN-RED-ET	840003012643758						
	MR SUNVIEW SUCCESS-RED-ET	840003012643761						
	MR SUNVIEW SUNGOD-ET	840003012643770						
	MR SUPER ARMANA 1503-ET	840003129037878						
	MR SUPER CHISM-ET	USA 70594648						
224HO04210	MR SUPER CONTENDER-ET	840003129037755						
	MR SUPER HALO8034 2119-ET	840003133064311						
	MR SUPER ICEMAN-ET	USA 68672945						
151HO00581	MR SUPER IRELAND-ET	USA 68672952						
151HO00582	MR SUPER IVAN-ET	USA 68672946					C	

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR SUPER NOVA-ET	840003006989430						
	MR SUPER SIGNAL	840003134094720						
	MR SUPER STEVIE RAY	USA 70316451						
	MR SUPERSIRE AGITATOR	USA 72313170					C	
	MR SUPREME NOMINATOR-ET	USA 73963068						
	MR SUPREME OLYMPIA-ET	USA 74186052						
	MR SUPREME OVERALL P-ET	USA 73963112						
	MR SUPREME ROCKSTAR-ET	USA 73517043						
	MR SYMPATICO-RED	840003124629117			C			
	MR SYNERGY 5583-ET	USA 73247422						
	MR SYNERGY 5713-ET	USA 74157129						
	MR SYNERGY 5722-ET	USA 74157138						
	MR SYNERGY HAWK-ET	USA 66394020						3
	MR SYNERGY JACQUES	USA 66394022						
	MR SYNERGY NIRVANA-ET	USA 66394019						
11HO11341	MR T-C-G ALTACAM-ET	USA 71522344						
	MR T-C-G CAGNEY-ET	USA 71522343						
	MR T-C-G CALYPSO-ET	USA 71522347						
	MR T-C-G CAMDEN-ET	USA 71522350						
	MR T-C-G CAMERA-ET	USA 71522349						
29HO17804	MR T-C-G CARBON-ET	USA 73516921						
	MR T-C-G CEASAR-ET	USA 69957183						
	MR T-C-G LA-BRON 662-ET	USA 73516920						
	MR T-C-G PARKER-ET	USA 71846015						
	MR T-C-G PAULO-ET	USA 71846004						
	MR T-C-G PISTOL-ET	USA 71846019						
29HO16988	MR T-C-G POSTERIZED-ET	USA 72285709						
	MR T-C-G POSTMASTER-ET	USA 71846014						
	MR T-C-G PRESTIGE-ET	USA 72129341						
200HO02962	MR T-C-G PROSPECT-ET	USA 71845981					C	
	MR T-C-G SSIRE MARKER-ET	USA 72285761						
	MR TAG DYNAMITE-ET	USA 72097449			C			
	MR TANGO TITEL-ET	USA 73677741						
200HO10285	MR TANGOSTAR-ET	840003010356396		C				
	MR TARINA CASH COIN 1031-ET	840003014258987						1
	MR TARINA CASHCOIN 1033-ET	840003014259030						1
	MR TARINA CASHCOIN 1036-ET	840003014334889		C				1
	MR TARINA EMBASS 55355-ET	840003010354102						
	MR TARINA FLYN 57884-ET	840003010356631						
	MR TARINA MACK 57882-ET	840003010356629		C				
200HO10386	MR TARINA THANKFUL-ET	840003010356318						1
	MR TATER-ET	USA 73677713						
	MR TCF CHERRY ACRES LUKE-ET	USA 74402297						
	MR TCF CHERRY-ACRES LEADER	USA 74554091						
	MR TCFCHERYACRES LEBARON-ET	USA 74402291						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
11HO09719	MR TERRICK ALTARIDDLE-ET	USA 136685115			C			1
	MR TERRICK MAC RANDALL	USA 63856572						
200HO05414	MR TERRICK RANDALL-ET	USA 136616715			C			
	MR THOR-ET	USA 74201913						
200HO10329	MR THUNDERING-ET	840003010356525						
11HO09907	MR TIGER-LILY ALTACASINO	USA 62866117	C					
	MR TIGER-LILY DESTRY LANNY	USA 69862950						
	MR TIGER-LILY DISON PORT-ET	USA 63824861						
	MR TIGER-LILY EPIC POUNCE	USA 71708851						1
14HO05059	MR TIGER-LILY GAGNON-ET	USA 60865425						
	MR TIGER-LILY LAKE-RED-ET	USA 70991409		C				
	MR TIGER-LILY MAY PEELER-ET	USA 71708810						
	MR TIGER-LILY MAY POSTER-ET	USA 71708815						1
	MR TIGER-LILY MAY PUZZLE-ET	USA 71708812						
	MR TIGER-LILY MAYF PARTS-ET	USA 71708804			C			
	MR TIGER-LILY MAYF PARTY-ET	USA 71708807						
	MR TIGER-LILY MAYF PLANK-ET	USA 71708837			C			
	MR TIGER-LILY MF PREMIER-ET	USA 71708814						
	MR TIGER-LILY MOG PAUL-ET	USA 71708768						1
	MR TIGER-LILY SANDY 4838-ET	USA 66670475						
	MR TIGER-LILY SANDY 4841-ET	USA 66670478						
	MR TIGER-LILY SANDY 4844-ET	USA 66670481	C					
	MR TIGER-LILY SANDY 4847-ET	USA 66670484	C					
	MR TIGER-LILY SANDY 4848-ET	USA 66670485						
	MR TIGER-LILY SANDY 4850-ET	USA 66670487						
	MR TIGERLILY COLBY GRUNT-ET	USA 65658108						
	MR TIGERLILY COLBY GUNNY-ET	USA 65658107						
	MR TIP-TOP-ET	USA 73677654						3
	MR TITANIC MAGIC	USA 136617819						
MR TJR 2256 DELTA 67334-ET	84000312361123							
MR TJR AKA SILV 67452-ET	840003123611241			C				
MR TJR BRIGIT JACY 55322-ET	840003010354069						1	
MR TJR BRIGT JACEY 57574-ET	840003010356321						1	
MR TJR BUTZ DEMAN 60065-ET	840003010363812							
203HO03280	MR TJR DESIGN 60064-ET	840003010363811						
	MR TJR DROPS 31680-ET	840003126775685						
	MR TJR DROPS KB 31137-ET	840003126775142						
	MR TJR DROPS KB 31141-ET	840003126775146						
	MR TJR DROPS MEGA 31163-ET	840003126775168						
	MR TJR DROPS MEGA 31170-ET	840003126775175						
	MR TJR DROPS MEGA 31173-ET	840003126775178						
151HO03275	MR TJR ROSCOE 54417-ET	840003010353164						
	MR TMK BIG MAC-ET	USA 69516150						
	MR TMK DUKE-ET	USA 71926097						
	MR TMK MAFIA-ET	USA 69516169						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR TMK MANLAW-ET	USA 69516181						
	MR TMK MAXIMAN-ET	USA 69516151						
	MR TMK METALHEAD-ET	USA 69516175						
	MR TMK MIND-BLOWING	USA 73670706					C	
	MR TMK MOFO-ET	USA 69516171						
	MR TMK MUDDY-ET	USA 71926094						
	MR TMK MULLET-ET	USA 69516173						
	MR TMK MUNKY-ET	USA 69516180						
	MR TMK MUSKY	USA 73670707						
	MR TMK SLAMIT	USA 69516182						
	MR TMTG ALEXANDER TOM-ET	USA 140550412						1
	MR TNT SHAZAM-ET	840003004385516						1
	MR TONTO-ET	USA 74201898						
	MR TOPEKA-ET	USA 73677663						3
	MR TOUBIB P IPAD-P	USA 69922002						1
	MR TOUBIB P ISAAC-P	USA 69921969						
44HO00379	MR TOY ADRIAN-ET	USA 70136002						
7HO11557	MR TOY APPARENT-ET	USA 70136001						
1HO09546	MR TOYSTORY DUNCAN-ET	USA 138577368						
	MR TRAMILDA DELTA JAMMER-ET	840003130383794						
200HO00405	MR TRI-STAR BOOKER-ET	USA 135920813						
200HO00404	MR TRI-STAR BROCK-ET	USA 135927155						
	MR TRIPLE K LIFTOFF ALLIFT	USA 73554042			C			
	MR TRIPLE K MERRICK MONTE	USA 73554047			C			
	MR TRIPLECROWN CARSON-ET	USA 72285712						
	MR TRIPLECROWN CASTAWAY-ET	USA 72285716						
	MR TRIPLECROWN CUSTER-ET	USA 72285710						
	MR TRIPLECROWN SS CAMDON-ET	USA 72285748						
	MR TRIPLECROWN SS CARMA-ET	USA 72285746						
	MR TRIPLECROWN SS CARSTON	USA 72285749						
	MR TRIPLECROWN-AL COSMO-ET	USA 72997695			C			
29HO17668	MR TRIPLECROWN-MH ACE	USA 72285782						
	MR TROY DEMIREL 61145-ET	840003010364892						
1HO11981	MR TROY MEGAFORCE-ET	840003129038273						
	MR TRUDY REFL 54401-ET	840003010353148						
	MR TRULEA COREY CHARRO 3193	840003134405991					C	3
	MR TTM WILLPOWER AMMO-ET	USA 71856735						1
	MR TWI-LA-B HILL TREKKER-ET	USA 69314737		C				
	MR TWO-ROCK SUPERSIRE 9183	USA 73320889						
	MR UNO ALVI-ET	USA 72506360						1
	MR UNO AUSTIN-ET	USA 72506359						
151HO00693	MR UNO DESIGN 1428-ET	USA 72128217						
	MR UNO JUSTIN-ET	USA 71908434						
1HO05358	MR US PROMO-ET	USA 17323664						
	MR V-H KOOL WALTER-ET	USA 71586315			C			

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR V-H PALERMO WAZ-ET	USA 70373257	C		C			
1HO06678	MR VANTAGE-PT F DESTINY-ET	USA 128161519						
	MR VAZDALE PUNCH MYCALA	USA 72494389						
	MR VELVET UNO 1177-ET	USA 71494587						
	MR VELVET UNO 1185-ET	USA 71494595						
	MR VELVET UNO 1186-ET	USA 71494596						
	MR VELVET UNO 1187-ET	USA 71494597						
	MR VIS-GEN SHF DOTS10564-ET	USA 69314808						
	MR VIS-GEN SHF DOTS10567-ET	USA 69314811						
29HO14390	MR VISION GEN CAILO-ET	USA 64519100						
29HO11948	MR VISION-GEN AL-ET	USA 61805239						
11HO10008	MR VISION-GEN ALTA CLINT-ET	USA 63082373	C					
	MR VISION-GEN CAL	USA 65744691						
	MR VISION-GEN CARLY-ET	USA 69207572						
	MR VISION-GEN CHRIS-ET	USA 69207576						
29HO13731	MR VISION-GEN CLARMONT-ET	USA 62555699						
	MR VISION-GEN MAC RUGER	USA 66631720						
	MR VISION-GEN PADDY 10936	USA 69315180						
100HO10976	MR VISIONGEN BAXTER DIRK-ET	USA 65622653						
	MR VISIONGEN BRNC R10916-ET	USA 69315160						
29HO14365	MR VISIONGEN BXTER DARON-ET	USA 65622651						
	MR VISIONGEN ELIT 10796-ET	USA 69315040						
	MR VISIONGEN ROSS R10831-ET	USA 69315075						
	MR VISIONGEN ROSS R10842-ET	USA 69315086			C			
	MR VISIONGEN SHF RANDY-ET	USA 69315157						
29HO16317	MR VISIONGEN SHF RANGLER-ET	USA 69315074						
	MR VISIONGEN SHQ MICHAEL-ET	USA 66652095						
	MR VISTA-LC DL HUDDIE941-ET	USA 72306261						
	MR VISTA-LC DL KAYNE 939-ET	USA 72306259	C					
	MR VT-POND-VIEW WBROOK LAD	USA 142963375						1
	MR WA-DEL DH MASSEY CLAY-ET	USA 142584066						
	MR WA-DEL MONTROSS CHET	USA 143208408						
	MR WA-DEL TUFFENUFF CHUCK	USA 143321105						
	MR WABASH-WAY ATW ENERGY-ET	USA 69087724						
7HO11455	MR WABASH-WAY ATW EVIAN-ET	USA 69087730						
	MR WABASH-WAY ATWD EURO-ET	USA 69087726						
7HO11456	MR WABASH-WAY DOM EDISON-ET	USA 69710400						
200HO06341	MR WABASH-WAY ECHO-ET	USA 69710397						
76HO00605	MR WABASH-WAY ELLIS-ET	USA 139361342						
200HO02771	MR WABASH-WAY ENCINO-ET	USA 69710390						
200HO06342	MR WABASH-WAY ENGULF-ET	USA 69710406						
76HO00658	MR WABASH-WAY ENRICH-ET	USA 69710405						
200HO06339	MR WABASH-WAY ENTHUSE-ET	USA 69710392						
200HO06340	MR WABASH-WAY EQUIP-ET	USA 69710401						
76HO00685	MR WABASH-WAY ERRATIC-ET	USA 70816958						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR WABASH-WAY EXPLD ENCLOSE	USA 71357220						
	MR WABASH-WAY FREDD EASY-ET	USA 69710399						
	MR WABASH-WAY HITCH-RED-ET	USA 70816939						
80HO07621	MR WABASH-WAY IOT EXHALE-ET	USA 70816969						
	MR WABASH-WAY IT ELEVATE-ET	USA 70816956						
	MR WABASH-WAY SEBSN ELOT-ET	USA 69710402						
	MR WABASH-WAY SEBSN EVIL-ET	USA 69710404						
54HO00499	MR WABASH-WAY SHOTT ELMO-ET	USA 66306594					C	
	MR WABASH-WAY SID EVASION	USA 71357232					C	
250HO11440	MR WABASH-WAY SP EMBRACE-ET	USA 69974989						
	MR WABASH-WAY SUPR ENVOY-ET	USA 69975029						
	MR WABASH-WAY UNO ENDNGR-ET	USA 71357215						
	MR WABASH-WAY UNO EXPERT-ET	USA 71357216						
183HO02164	MR WABASHWAY DOMAIN EXHAUST	USA 69710382					C	
	MR WABASHWAY SHOT ELMER-ET	USA 68628423					C	
	MR WABASHWAY SHOT ELVIN-ET	USA 68628422					C	
	MR WELCOM PEOTI THOMAS-ET	USA 70750567						
7HO09939	MR WELCOME A-ROD-ET	USA 64519041		C				
	MR WELCOME AIKMAN LOTUS	840003011639797						
	MR WELCOME ALEX CANDI	USA 66757440						1
	MR WELCOME ALEXANDER-ET	USA 64519087		C				
	MR WELCOME ALTAARCADE-ET	USA 64519086						
11HO09976	MR WELCOME ALTACADDY-ET	USA 63082318						
	MR WELCOME ALTALINKED-ET	USA 65744743						
	MR WELCOME ALTATRIMAC-ET	USA 64519026						
	MR WELCOME AMIL-ET	USA 64519113						
	MR WELCOME AMILIO-ET	USA 64519114						
29HO14329	MR WELCOME ANTARES-ET	USA 64519088		C				
	MR WELCOME BAX WINTERS-ET	USA 65744706						
	MR WELCOME BAX WONDER-ET	USA 65744707						
	MR WELCOME BETRAY LIDLE	USA 71703324						
1HO11137	MR WELCOME BKM TABOO CRI-ET	USA 70895050						
7HO12445	MR WELCOME BOB THANE-TW	840003011639788						
7HO12444	MR WELCOME BOB THEO-TW	840003011639789						
	MR WELCOME BOMBERO 2750-ET	840003125066339		C				
29HO13624	MR WELCOME CADALLAC-ET	USA 63082311						
	MR WELCOME CAL-ET	USA 66757492	C					
14HO07284	MR WELCOME CAM LYNEX-ET	USA 71703308						
29HO16077	MR WELCOME CANDYMAN	USA 69207604						
7HO09377	MR WELCOME CARENCE-ET	USA 61757757						
	MR WELCOME CASTLE-ET	USA 66757473	C					
	MR WELCOME CCOIN TANEK-ET	840003013654540						
	MR WELCOME CCOIN TARRY	840003013654539		C				1
	MR WELCOME CCOIN TOTAL-ET	840003013654541						1
	MR WELCOME CCOIN TOTO-ET	840003013654542						1

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR WELCOME CCOIN TRIO-ET	840003011639745						
	MR WELCOME CHAPTER-ET	USA 66757466	C					
	MR WELCOME CHARLES-ET	USA 64519045						
	MR WELCOME CHARTER-ET	USA 66757467	C					
	MR WELCOME CHAZ-ET	USA 66757459						
	MR WELCOME CHEV TABOR-ET	840003013654580						
	MR WELCOME CHEV TADE-ET	840003013654582						
	MR WELCOME CHEV TAME-ET	840003013654578						
	MR WELCOME CHEV TANNER-ET	840003013654574	C					
	MR WELCOME CHEV TATE-ET	840003013654579						
14HO05389	MR WELCOME CHRISTOPHER-ET	USA 61757703						
	MR WELCOME DAVINCI TACTIC	840003013654593						
7HO12500	MR WELCOME DEFEND TATE-ET	840003013654481						
	MR WELCOME DEFEND TAYLOR-ET	840003013654475						
	MR WELCOME EPIC LESTER-ET	USA 71703284						
	MR WELCOME EPIC LOSS-ET	USA 71703279						
	MR WELCOME FLAME TILDON-ET	840003013654548						
	MR WELCOME FLAME TOMCAT-ET	840003013654554						
	MR WELCOME FLAME TORINO-ET	840003013654557						
	MR WELCOME FLAME TRUE-ET	840003014365907						
	MR WELCOME FLAME TULLY-ET	840003013654558						
	MR WELCOME FLAME TUNDRA-ET	840003013654559						
	MR WELCOME FLAME TUPAC-ET	840003013654560						
	MR WELCOME FLAME TURIN-ET	840003013654556						
	MR WELCOME FLAME TYLER-ET	840003013654535						
	MR WELCOME GILBY THEO-ET	USA 71703254		C				
	MR WELCOME GILBY THIRZA-ET	USA 71703258		C				
	MR WELCOME HAL TANER-ET	840003013654495						
7HO12561	MR WELCOME HAL TANNER-ET	840003013654496						
14HO07560	MR WELCOME HAL TEAGUE-ET	840003013654509						
	MR WELCOME HAL TEMP-ET	840003013654498						
	MR WELCOME HALO TARMAC-ET	840003013654537						
	MR WELCOME HALO TIM-ET	840003013654528						
	MR WELCOME HALO TITAN-ET	840003013654529		C				
	MR WELCOME HALO TOM-ET	840003013654527						
	MR WELCOME HEADLINER LOU	USA 71703364						
1HO10824	MR WELCOME HILL TANGO-ET	USA 70750485		C				
	MR WELCOME HILL TONIC-ET	USA 70750484						
	MR WELCOME IC TOPCAT-ET	840003013654555						
	MR WELCOME JABIR TATE-ET	840003011639839						
	MR WELCOME JACEY LOGAN-ET	840003011639815						
	MR WELCOME JACEY TAB-ET	840003011639716		C				
	MR WELCOME JACEY TAHOE-ET	840003011639718		C				
29HO17719	MR WELCOME JACEY TALBOT-ET	840003011639719		C				
	MR WELCOME JC TOPPER-ET	840003013654553						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR WELCOME LAKEWOOD CRI-ET	USA 68767084						
	MR WELCOME LATROY TAREEN-ET	USA 70750603						
	MR WELCOME LATROY TAREN-ET	USA 70750606		C				
	MR WELCOME LAWRENCE-ET	USA 66757494						
29HO17797	MR WELCOME LEGION	840003013654515						
	MR WELCOME LEGO-ET	840003013654464						
	MR WELCOME LENNY-ET	USA 69207657						
	MR WELCOME LEO-ET	USA 69822412			C			
	MR WELCOME LIAM-ET	USA 65744727						
	MR WELCOME LIANDER-ET	USA 65744729						
7HO10573	MR WELCOME LINGER-ET	USA 65744731						
	MR WELCOME LION-ET	USA 69207577						
29HO14555	MR WELCOME LIONESS-ET	USA 65744732						
	MR WELCOME LODIN-ET	840003013654462						
	MR WELCOME LOWELL-ET	840003013654494						
	MR WELCOME LYMAN-ET	USA 65744741						
	MR WELCOME LYNDAL-ET	USA 65744742						
	MR WELCOME LYNTON-ET	USA 65744757						1
	MR WELCOME LYNX-ET	USA 65744740						
	MR WELCOME MACON THORPE	840003011639655		C				
	MR WELCOME MCCUTCH THAD-ET	USA 71703352		C				
	MR WELCOME MCCUTCH THEO-ET	USA 71703350						
	MR WELCOME MEVENT TONEY-ET	840003125066286		C				
	MR WELCOME MNEVENT TARO-ET	840003125066276		C				
29HO16960	MR WELCOME MOGUL LENTAL	USA 71703360						
14HO07641	MR WELCOME MONT TAFT-ET	840003013654597						
	MR WELCOME MONT TAI-ET	840003013654596						
	MR WELCOME MONTEREY 2749-ET	840003125066338		C				
	MR WELCOME OAK TREE-ET	840003011639792						
	MR WELCOME OBSERV LISTER-ET	USA 69822380						
7HO11227	MR WELCOME OBSERVE LANCE-ET	USA 69822377						
	MR WELCOME OBSERVE LANE-ET	USA 69822376						
	MR WELCOME PAL TEEOFF-ET	USA 69822542		C				
	MR WELCOME PAULYBOY-ET	USA 69822528		C				
	MR WELCOME PEOTI LINCOLN-ET	USA 70750619						
	MR WELCOME PEOTI TIME-ET	USA 70750566						
	MR WELCOME PEOTI TYE-ET	USA 70750559		C				
	MR WELCOME PEOTI TYREL-ET	USA 70750560						
	MR WELCOME PEOTI TYRONE-ET	USA 70750565		C				
	MR WELCOME RACER TANTED	840003125066212						
	MR WELCOME REFLECT TIME	840003125066241						
	MR WELCOME ROBUST LUCKY	USA 69822438						
	MR WELCOME SAN LOUIE-ET	USA 66757446						
7HO10866	MR WELCOME SAN LYNX-ET	USA 66757442						
	MR WELCOME SAN WINTERS-ET	USA 65744789						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR WELCOME SHAN TABOR	840003011639678	C					
29HO17538	MR WELCOME SS TENNESSEE-ET	USA 71703387						
	MR WELCOME SS TENNYSON-ET	USA 71703388						
7HO13022	MR WELCOME SSI UNO TATUM-ET	USA 71129534		C				
7HO11226	MR WELCOME SUPER TASMOM-ET	USA 69822375		C				
	MR WELCOME TAHOE 2777	840003125066366						
7HO11038	MR WELCOME TALBOT-ET	USA 69207590						
	MR WELCOME TAMAR 2769	840003125066358		C				
	MR WELCOME TAXI-ET	USA 69822492						
203HO01283	MR WELCOME TAYLOR-ET	USA 69822401		C				
200HO03934	MR WELCOME TEACHER-ET	USA 71703257		C				
	MR WELCOME TEBOW-ET	USA 70750539		C				
	MR WELCOME TERVY-ET	USA 69207592						
	MR WELCOME THAD 2822-ET	840003125066411		C				
200HO03935	MR WELCOME THORLEY-ET	USA 71703259		C				
	MR WELCOME THORN 2820-ET	840003125066409		C				
	MR WELCOME TIM-ET	USA 70750543						
	MR WELCOME TIMEOUT 2782-ET	840003125066371						
	MR WELCOME TIMID-ET	USA 70750609						
	MR WELCOME TOCOMA-ET	USA 69822495		C				
	MR WELCOME TOMCAT-ET	USA 69822497		C				
	MR WELCOME TOPO-ET	USA 70750611		C				
	MR WELCOME TOPSY-ET	USA 69207591						
	MR WELCOME TOUCHDWN 2784-ET	840003125066373		C				
	MR WELCOME TRACE-ET	USA 66757504						
	MR WELCOME TRAIN 2787-ET	840003125066376		C				
	MR WELCOME TRINITY	USA 65744711						
	MR WELCOME TUCKER-ET	USA 69207593						
	MR WELCOME TUFFENUFF 2743	840003125066332						
	MR WELCOME TURNER-ET	USA 71703442						
	MR WELCOME TYLER-ET	USA 71703441						
	MR WELCOME UNO TRACE-ET	USA 71703321		C				
	MR WELCOME WONDERBOY-ET	USA 65744723						
	MR WELCOME WONDERKID-ET	USA 65744724						
	MR WELCOME WONDERLAND-ET	USA 65744736						
	MR WELSH-VALLEY ADD LIN	USA 73756831						
	MR WELSH-VALLEY GV BREAK	USA 69635931					C	
	MR WERBELA DESTINED CARL-ET	USA 72154918						
	MR WERBELA WALDO OSCAR	USA 70373392			C			1
	MR WEST-HOPE JCEY INDIGO-TW	USA 73825253						3
	MR WESTERN-LITE LEGEND-ET	USA 139413768						
	MR WESTERN-LITE LEGION-ET	USA 139413786						
	MR WET ADRIAN PLUTO-ET	USA 72435205						
	MR WET DEYJA PACE-ET	USA 72435222						
	MR WET DEYJA PADRE-ET	USA 72435223						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MR WET HALOGEN PIER-ET	USA 72435213						
	MR WET JACEY PALMER-ET	USA 72435209						
	MR WET JACEY PHILLIP-ET	840003128461591						
	MR WET RODGERS PABLO-ET	USA 72435203						
	MR WET RODGERS PHOENIX-ET	840003129436944						
	MR WET RODGERS PICASSO-ET	840003128461604						
	MR WET SPRING POLARIS-ET	840003129436965						
	MR WHISPERO DOZER CREDIT-ET	USA 73947798						
	MR WILSTAR BAXTER TYLER	USA 64470383						
7HO10792	MR WILSTAR PLANT JUPITER-ET	USA 66731654						
	MR WILSTAR SPARK ACTION	840003127659273						
11HO05639	MR WILSTAR-RS GENUINE	USA 123053855						
14HO03393	MR WINCHESTER GEOFF-ET	USA 125467988						
	MR WINDBROOK FREDERICK-ET	USA 71388748						1
200HO10245	MR WOLFGANG-ET	840003013923912						
	MR XEN COLT 15027-ET	840003012574874						
	MR XEN MOGUL 8150-ET	USA 72436697						
	MR Z MONOPOLY-ET	USA 142129250						
	MR ZAHBULLS BLT 596 CLEV-ET	USA 73276818						
	MR ZBW FOX RIDGE STUD-RED	USA 66649675						1
	MR ZG SPEARMINT DAULTON	USA 65836571		C				
	MR ZGQ PADDY DENVER	USA 68986286						
	MR ZGQ REAL DEAL DELT-ET	USA 68986279						
	MR ZIMMY A DIAMOND-RED-ET	USA 73535714						2
11HO08605	MR-SANDY-VALLEY FRANK-ET	USA 134766973	C					
	MRBENS JAMMER THRILLER	USA 66907187			C			
	MRBENS LYNCH MILKMAN	USA 66907207						
	MRBENS TIMEOUT-ET	USA 66907221						
	MRBREMER TME BOYBOY ALFRED	USA 71914455						
	MRC-HAVEN KING-ET	USA 69554068						
100HO10832	MRC-HAVEN LEE-ET	USA 62968967						
	MRC-HAVEN LEGO-ET	USA 64626095						
7HO10554	MRCHARTROIS LAURIN PAZEL-ET	USA 66050453		C				
	MRCHARTROIS LAURIN PEDRO-ET	USA 66050458		C				
	MRCHARTROIS PLANET LUNDI-ET	USA 66050516						
	MRCO-VISTA LATIMER CRASH-ET	USA 72986443						1
	MRD-OEIGHT GOLDWYN 489-ET	USA 64046838		C			C	1
	MREVER-GREEN-VIEW MAPPER-ET	USA 71666778						
	MREXELS ESQUIRE SNIPER	USA 70392725						
	MRGOLD-N-OAKS MAURCE 503-ET	USA 72169949						
	MRK-BEECHNUT SAJAC PAUL-ET	USA 71428493						
	MRK-BEECHNUT SAJAC PINT-ET	USA 71428495			C			
	MRK-BEECHNUT SAJAC PRIME-ET	USA 71428494			C			
	MRK-BEECHNUT SAJAC PROUD-ET	USA 71428499						
	MRK-BEECHNUT SE PAULINO-ET	USA 71428467						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MRKNGSMML RATATOUILE-RED-ET	USA 68776031						
	MRNDDRUVALE EARNIT SHADE-ET	USA 66367526					C	
7HO12628	MROCD LADD MAN DELIVER-P-ET	840003014365401						
7HO09516	MRPENLOW DUNDEE JACK-ET	USA 63786234						
	MRPRIDE MGL INDEMAND 169-ET	USA 70976777						
29HO14516	MRRABBITRILL STLJC LEON-ET	USA 65659664				C		
	MRRABITRLL STJC LEONARD-ET	USA 65659666						
	MRRANSOM-RAIL NUMUNO DAN-ET	USA 72259933						
	MRRANSOMRAIL NUMUNO DART-ET	USA 72259935						
	MRRICKLAND MICHAEL COREY-ET	USA 140338641						
	MRSCHULTZ SHF TRIG10845-ET	USA 69315089					C	
	MRSIEMERS SHAQ SHOCK-RED-ET	USA 68667893					C	
	MRSIEMERS SHQ SIZZLN-RED-ET	USA 68667914					C	
100HO10951	MRSILVAMOON TSTRY LIPTON-ET	USA 64543218						
29HO13977	MRVISION-GEN GLDWN CLIFF-ET	USA 63082372	C					1
100HO10781	MRVISION-GEN GOLD CODY-ET	USA 62555707						
7HO10394	MRVISION-GEN GOLD CORY-ET	USA 62555706	C					1
	MRVISIONGEN CROCKER-ET	USA 66757433						
	MRVISIONGEN S NICKEL-RED-ET	USA 66652101					C	
	MRVISIONGEN SH BOWA10670-ET	USA 69314914						3
	MRVISIONGEN SH BOWA10674-ET	USA 69314918						3
	MRVISIONGEN SH BOWA10682-ET	USA 69314926						3
29HO13579	MRVISIONGEN SHOT CLEAR-ET	USA 63016062	C					
	MRWHITTAIL-VALLEY EP COBBLE	USA 70711800						
	MS 1STCLASS GREAT-LOOKER-ET	840003125519865						
	MS 2385 MONT 31446-ET	840003126775451						
	MS 57500 MEG 31096-ET	840003126775101						
	MS 781 DELTA 31097-ET	840003126775102						
	MS 781 DELTA 31161-ET	840003126775166						1
100HO10666	MS AIR-OSA FULL THROTTLE-ET	USA 62371667						
	MS AIR-OSA KADO 28302-ET	USA 73659836						
44HO00462	MS ALEXANDER-ET	840003124720440						
	MS AMSTERDAM DELTA 60503	840003010364250						3
	MS ANDIS AMMUNITION-RC-ET	USA 70974125					C	
	MS ANDIS CHELIOS ABE	840003128458211					C	
	MS ANDIS DESTROY ALBERTO-ET	USA 70974096						1
	MS ANDIS DOMAIN AWESOME-ET	USA 66961045					C	
	MS ARALYN COLT 57361-ET	840003010356108						
	MS ATLEES EX ALCATRAZ-ET	USA 70041687						1
	MS ATLEES EXPLODEAMAZON-ET	USA 70041683						
	MS ATLEES FEDERAL AGENT-ET	USA 70041673					C	1
94HO14105	MS ATLEES SHT AFTERSHOCK-ET	USA 65249839					C	
	MS ATLEES SUPER ACKERMAN-ET	USA 66961051						1
	MS AVERILL JACEY XENA 10131	USA 73720362						
	MS AVERILL SUPRSRE 10100-ET	USA 73202588					C	

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MS BADGER MCCUTCHN 90050-ET	USA 71494088			C			
	MS BEAUTY MOGUL 8094-ET	USA 72436641						1
	MS BEAUTY MOGUL 8099-ET	USA 72436646						
	MS BIKINI DOOR 57392-ET	840003010356139						
	MS BLADE FLMR 31485-ET	840003126775490						
	MS BLONDIN PROGRESSIVE-ET	840003133370979						
	MS BRANDY BURNETTE-ET	USA 70639343						
	MS BREMER LINCAN-ET	USA 64582837						
151HO03219	MS BULLSEYE SS 31759-ET	840003126775764						
	MS BUTZHILL SNOWDAY54903-ET	840003010353650						
	MS BW DREAMS CUTIES CASH	USA 143301428						
	MS C-HAVEN RMRK-P SUBWAY-ET	840003133881054						
	MS C-HAVEN SPRING SHOWER	840003133881069						
	MS CANESSAS CONVICT-ET	USA 72090548						
	MS CARLS-HILLS PLATNM MASON	840003132003191						
200HO02900	MS CHARTROISE SUDAN EVON-ET	USA 71669027						
200HO10497	MS CONSTANTIN-ET	USA 73963423						
	MS COOK-FARM ATWOOD SHOT-ET	USA 73193757					C	
	MS COURTLANE SHAMROCK BOSS	USA 70027439						
	MS DESTRY RAPTURE-RED-ET	USA 69432165						1
	MS EDG CIERRA SS 8341-ET	USA 72436888						1
	MS EDG CIERRA SS 8360-ET	840003013474446						1
	MS EDG CIERRA SS 8364-ET	840003013474450						1
	MS EDG CIERRA SS 8367-ET	840003013474453						
	MS EDG MONT 54974-ET	840003010353721						
	MS EFFY MONTROSS 54926-ET	840003010353673					C	
200HO02681	MS EMILYANN EMISSION-ET	USA 66183784						
	MS ESKDALE LOTTERY-ET	840003128590805						
44HO00414	MS EVER-GREEN-VIEW A-ONE-ET	USA 71666815					C	
100HO03151	MS EVR-GREEN-VIEW ARDIN-ETS	USA 71031064						
100HO03152	MS EVR-GREEN-VIEW ARVIN-ETS	USA 71031063						
	MS FARNEAR ABRAM-ET	840003125585576						
	MS FARNEAR HARRISON-ET	USA 72596772						
	MS FARNEAR HUNTERMCKE-ET	840003125585574		C				
	MS FARNEAR MEGASIRE31847-ET	840003126775852						
	MS FARNEAR SUPER PACE-ET	USA 68571337						
	MS GAJAN SHOTTLE DEXTER-ET	USA 69949113						
	MS GBM KOENEN HR OBS TRACER	USA 72107343						
	MS GOLD-N-OAKS LTHUM 498-ET	USA 72169944						
	MS H-TWO-O MOE-ET	USA 142335514						
	MS HANOVER HILL R REFLEX-ET	USA 2154295						
	MS HAR-DALE-ACRES ASHTON-ET	USA 71286345						
	MS HARTFORD 581 DES-RED-ET	USA 73276803						
	MS HARTFORD ATWORK 684-ET	USA 74261059						
	MS HARTFORD ENTITLE 670-ET	USA 74261045						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MS HORNLAND SYMPTC BRAVE-ET	USA 73504447						
	MS JERSEY SIL 32275-ET	840003126776280		C				
	MS JJR MONTROSS DONAHUE-ET	USA 73171066						
	MS KERANEN EMERALD 234-ET	USA 71266163						
	MS LEANINGHOUSE KB 21190-ET	USA 74146941						
	MS LEXIE DIAMOND 18104-ET	840003014258934					C	
	MS LEXIE POWERBALL 31407-ET	840003126775412						
	MS LICORICE MTROSS 54733-ET	840003010353480						1
	MS LICORICE RUB 54913-ET	840003010353660						
	MS LILLI COLT 57394-ET	840003010356141						
	MS LIN DAV 959-ET	840003126668049						
	MS LORITA BRXTN BRINAS JOY	USA 72564673						
	MS LORITA CORVETTE BRIAN	840003126252540						
	MS LUCK-E MALONE ALOHA-RED	USA 72186815						1
	MS M-P COLBY PUCK-ET	USA 65438790						
1HO08977	MS M-P DUCE LANDON-ET	USA 137042289						
	MS M-P FROSTY PESO-ET	USA 65438797						
	MS M-P JET STREAM PACO-ET	USA 65438733						
	MS M-P JET STREAM PONCE-ET	USA 65873812						
	MS M-P LAWN BOY POE-ET	USA 65873750						
	MS M-P LEWIS 4722 DOZER-ET	USA 71127332						
	MS M-P PLANET LAVERNE	USA 66331276						
1HO08972	MS M-P SHOTTLE LEWIS-ET	USA 137042261					C	
	MS M-P SOCRATES LANCER-ET	USA 66331159						
1HO09463	MS M-P TOYSTORY PEYTON-ET	USA 63172573						
1HO09593	MS M-PONDHILL BUCKEYE PILOT	USA 63811814						1
97HO40733	MS MAPLE-SLOPE SHF MOJO-ET	USA 69315194						
	MS MARILYN COIN 57746-ET	840003010356493						
	MS MARILYN WP 15114-ET	840003012574961	C				C	
	MS MARITA DU PALOMAR-RED-ET	840003014258906						
	MS MARITA SG PHELPS-ET	USA 72504212						
	MS MBLUCKYLADY DFDR 6016-ET	USA 74518068					C	
	MS MBLUCKYLADY DTTN 6012-ET	USA 74518064						
	MS MCCUTCHEN DAYLITE	USA 72292834						
	MS MINSU BARBWIRE FENCE-ET	USA 72901100						
	MS MINSU SUPERSIRE RAMON-ET	USA 72289038						1
	MS MINSU SUPERSIRE RAY-ET	USA 72288973						1
	MS MOVIESTAR C-45 MANDO-ET	840003013177455						
	MS MOVIESTAR C-45 MANNIX-ET	840003013177241						
	MS MURANDA LONG SANCHO-ET	USA 72252831						
	MS MURANDA LONG SENTRY-ETS	USA 72252841						
	MS MURANDA LONG SPADE-ETS	USA 72252842						
	MS MYLIFE COIN 18186-ET	840003123600695						1
	MS MYLIFE DANTE 31998-ET	840003126776003						
	MS NO-LIMIT DFENDR 6315-ET	840003132169010					C	

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MS NO-LIMIT HALGEN 6325-ET	840003132169020						
	MS OCD HALOGEN DOGFIGHT-ET	840003014365236						
	MS PATOM EPIC ZIM 6478-ET	USA 142336373						
	MS PFRR 1STCLASS LUCIFER-ET	USA 74158801						
	MS PFRR POWERBALL ADAM-ET	USA 74158707						
	MS PFRR POWERBALL AIDEN-ET	USA 74158710						
	MS PFRR PULSAR LYNCH-ET	USA 74158793						
	MS PFRR SILVER LARRY-ET	840003131713379						
	MS PINE-TREE 4312 ILLEG 487	USA 69170053						
536HO00355	MS POSIBILITY PERFORMER-ET	USA 62970737						3
200HO03533	MS POSIBILITY PREDATOR-ET	USA 62970738						3
200HO03670	MS POSIBILITY PRODUCER-ET	USA 65480450						3
	MS PRESLY FLM 60038-ET	840003010363785						
	MS PRIDE SPRING AHEAD 290	840003127290429						
	MS PRISTINE LEXI OT18202-ET	840003124584843						
	MS REGANCREST BROKAW FOX	USA 73191378						
	MS RIKKI LITHIUM 8197-ET	USA 72436744						
	MS ROLLEN O DAMIAN P-RED-ET	USA 73756172						
	MS ROLLEN-NS 5101 P-RED-ET	USA 73756170						
	MS ROLLEN-NS OD DARK P--ET	USA 73756171						
11HO11395	MS ROSYLANE-LLC ALTAWILLING	USA 70694634						
	MS RUGG-DOC CHARMSTEAD-ET	USA 139673704						
7HO10911	MS S-S-I PLANET SHO-ET	840003006972777					C	
	MS SASON CRANKY	USA 72193364	C					
	MS SIZZLE 781 RUB 54950-ET	840003010353697						
	MS SNOWFLAKE 70790-ET	840003123614579						
	MS SPRING CANTO 1148-ET	USA 74599925						
	MS STANTONS M AGREE 3440-ET	840003126822703						
	MS STARDELL CSHMNY MIKEY-ET	USA 72569301						1
	MS SYNERGY 5183	USA 71440471						
	MS TARINA COIN 57557-ET	840003010356304						
	MS TCF CHERRYACRE LEGEND-ET	USA 74554088						
	MS TRIPLECROWN TROY 254	840003125993713						
	MS VISION-GEN CHRISTIAN-ET	USA 66757444	C					
	MS WABASH-WAY MOGUL ADMIRE	840003131138572						
	MS WABASH-WAY SUPR EASEL-ET	USA 69975003						
	MS WABASHWY SUPR EXPLOIT-ET	USA 69975010						
	MS WABASHWY SUPR EXPRESS-ET	USA 69975008						
1HO11484	MS WELCOME UNO TUFFY CRI-ET	USA 71451828		C				
	MS WEST-HOPE LOREN IDAHO	USA 71611482						3
	MS WET RODGERS PAYTON-ET	USA 72435202						
	MS-ANABEL DMLL ALLEN-RED-ET	USA 69547750						1
	MS-J-LYNN LC-P-RED-ET	USA 141844165						
1HO02570	MS-J-LYNN LEOPARD-RED-ET	USA 138804439						
1HO09170	MS-J-LYNN LIMO-RED	USA 137290534						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO11251	MS-MD AUSTIN-ET	USA 132963226						3
1HO09400	MS-MP OFFROAD PEDRO	USA 63172450		C				
1HO08983	MS-SHULTZ MURPHY BOBO-ET	USA 137205666						
	MSV MAGISTRATE-ET	USA 2138052						
	MT-ARARAT GOLDSUN FAVIO-ET	USA 72418673						
	MT-EMMONS MAURICE HENRY 38	USA 72569598						
	MT-GLEN ADOLPH JONAH	USA 70254583						
	MT-GLEN ERNHART PETE P-ET	840003012331981						
	MT-WHITNEY SUPERSIRE BILLY	USA 58899701						
	MTN-VIEW-JM AVENGER AXEL-ET	840003132416817						
	MTN-VIEW-JM AVGR FORREST-ET	840003132416821						
	MTN-VIEW-JM AVNGR LAVERN-ET	840003132416816						
	MTN-VIEW-JM DFNDER DANDY-ET	USA 72479189						
	MTN-VIEW-JM DFNDER DASH-ET	USA 72479192						
	MTN-VIEW-JM DFNDR ROCKET-ET	USA 72479191						
	MTN-VIEW-JM HALOGEN HAERTH	USA 72479177						
	MTN-VIEW-JM LEVI LAST	USA 70144862			C			
	MTN-VIEW-JM MOGUL MASTIFF	USA 72479178			C			
11HO09934	MTN-VIEW-S ALTABUTLER-ET	USA 62848158						
7HO09648	MTN-VIEW-S BUBBLES PERRY-ET	USA 62848164						
7HO06183	MUDDY-H BAR ANDREW-ET	USA 18026867						
515HO00160	MUECA-ET	GBR388380300203					C	
	MUIRTON NORWICH	CAN 8119445						
29HO09322	MUN-CRE-M-C BASH-ET	USA 17231371						
1HO06114	MUN-CRE-M-C BEYOND-ET	USA 17080936						
7HO06185	MUN-CRE-M-C BWOOD BEAVIS-ET	USA 17370906						
	MURANDA AARON DAX RC-ET	USA 69975424						1
	MURANDA AARON DAXES-RED-ET	USA 69975425						1
	MURANDA AARON DAXSON RC-ET	USA 69975426						
	MURANDA ALEXANDER MIGHTY-ET	USA 65783723					C	
	MURANDA AUDEN LARS-ET	USA 65783712						
	MURANDA AUDEN LOCKUP-ET	USA 65783706					C	
183HO02020	MURANDA BAXTER LEGS-ET	USA 63601420						1
76HO00603	MURANDA BAXTER LEO-ET	USA 65783688						
	MURANDA BAXTER LEONITIS-ET	USA 63601419						
	MURANDA BEAU LEGION-ET	USA 71004777						
7HO08631	MURANDA BEST LOGIC-ET	USA 135606238						
6HO01156	MURANDA BLITZ LUCIFER-ET	USA 62480036						
7HO08830	MURANDA BOLIVER LUCIAN-ET	USA 62480011						
91HO04489	MURANDA BWM LEADER-ET	USA 130977203						
1HO06058	MURANDA CAPER-ET	USA 2298355						
	MURANDA CASSINO LIMELITE-ET	USA 68662953						
	MURANDA DAY DIMITRI	USA 72252770						
	MURANDA DESTRY LANDON-RED	USA 68662971						
566HO01218	MURANDA DOORMAN BACKDOOR-ET	USA 72252806						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MURANDA ENTER SANDMAN-ET	USA 72252759						
	MURANDA FB LEVERAGE-ET	USA 71004771						
	MURANDA FB LEVITATION-ET	USA 71004772						
7HO09732	MURANDA FORTUNE LEFTY-ET	USA 63601395	C					
7HO09933	MURANDA FRTUN LIEUTENANT-ET	USA 63601416	C					
	MURANDA GCHIP LADSON-ET	USA 69975458						
	MURANDA GCHIP LANDAN-ET	USA 69975459						
	MURANDA GCHIP LANDREE-ET	USA 69975460						
	MURANDA GCHIP LIAM-ET	USA 69975457						
	MURANDA GOLDEN SAXON-ET	USA 72252820						
	MURANDA GOLDEN SIERRA-ET	USA 72252822						
	MURANDA GOLDEN SUPERMAN-ET	USA 72252818						
	MURANDA GOLDWYN LAD-ET	USA 68662959						1
	MURANDA LARS LANDRY-RED-TW	USA 71004775		C				
	MURANDA LARSON LENNON-RC-TW	USA 71004776						
7HO08918	MURANDA LAUDUN LANCE-ET	USA 62480019						
7HO08919	MURANDA LAUDUN LOTO-ET	USA 62480016						
	MURANDA LAUTHORITY LADDIE	USA 69975453						
200HO03769	MURANDA LEVI-ET	USA 68662963						
	MURANDA LEWIS LAZURUS	USA 71004758		C				
	MURANDA LEWIS LYDELL	USA 71004759						
1HO07046	MURANDA LUGNUT CRI-ET	USA 60475805						
29HO11701	MURANDA M-VIEW LORAS	USA 134499792						
250HO00934	MURANDA MAC LACKER-ET	USA 63601429						
7HO05442	MURANDA MANDEL MOE-ET	USA 2286327						
1HO06717	MURANDA MANFRED LOOKOUT-ET	USA 128082159	C					
	MURANDA MASSY LOADER-ET	USA 68662950						
29HO10039	MURANDA MAXIMIZER-ET	USA 126422090						
200HO03705	MURANDA MERCURY-ET	USA 65783710					C	
	MURANDA MOM DIRTYMAN-ET	USA 72252758						
	MURANDA MOSCOW LOUIS-ET	USA 65783717						
	MURANDA OBSERVER LIZARD	USA 69975442						
	MURANDA OBSERVER MIKE	USA 69975441					C	
7HO10669	MURANDA PLANET MARS-ET	USA 65783703					C	
	MURANDA PRONTO LASATIER-ET	USA 63601428						
	MURANDA RELIEF RAYBAN	USA 72252807						
7HO08065	MURANDA RUBENS LAKE	USA 133756311						
	MURANDA SANCHEZ LINK-ET	USA 65783721						
	MURANDA SANCHEZ LOT-ET	USA 65783722					C	
	MURANDA SHAN RAGE-ET	USA 72252784						
	MURANDA SHAN RAYBAN-P-ET	USA 72252793						
	MURANDA SHAN RAYHAN-P-ET	USA 72252795						
7HO09310	MURANDA SHOTTLE LAD-ET	USA 62480039					C	
	MURANDA SYMPATICO LINDY	USA 72252773			C			
1HO06132	MURANDA TURNER LARS-ET	USA 17147515						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MURANDA UNO S-SMOOTH	USA 71004790						
200HO07779	MURI PRODIGIOUS-ET	ITA 4991166594						
200HO07763	MURI SERSE-ET	ITA 4991102568						
513HO03124	MURRAYHOLM GLENHAVEN COP-ET	CAN 12132900						
	MUSSER-RIDGE COMET-ET	USA 142842175						
	MUSSER-RIDGE PRIMER	USA 74061455						
	MUSSER-RIDGE UNO UNCLE	USA 142932159						
14HO03314	MY-GEM SLICK WILLIE-ET	USA 121258683						
	MY-JOHN ALTADISTANT-ET	USA 68691353						
	MY-JOHN ASH MICHIGAN-ET	USA 66280975						
	MY-JOHN BOGART BOOGIE-ET	USA 68691403			C			
	MY-JOHN BOLIVER BOLD-ET	USA 64855735						
	MY-JOHN BOLIVER BRADY	USA 62684877						
	MY-JOHN BOLIVER PIERRE-ET	USA 61918946						
	MY-JOHN BOLIVER SHAY-ET	USA 64855734						
200HO05523	MY-JOHN BUMPER-ET	USA 62279703						
	MY-JOHN BURN ASH	USA 64855724		C				3
1HO07153	MY-JOHN BW MARSHALL ACE-ET	USA 131044247						
11HO07681	MY-JOHN DENBY-ET	USA 131044292						
	MY-JOHN DIE HARD MCCLAIN-ET	USA 66280948						
	MY-JOHN DOMAIN DIRK	USA 69774813						
7HO09459	MY-JOHN DUPLEX SIRE-ET	USA 62877399						
	MY-JOHN ERNIT BURKE-ET	USA 66280969						1
	MY-JOHN ERNIT RYAN-ET	USA 66280971						
	MY-JOHN ERNIT WURM-ET	USA 66280970						
200HO09451	MY-JOHN FLIP-ET	USA 61918919						
	MY-JOHN FREDDIE KLUG-ET	USA 69774742						
14HO04974	MY-JOHN FREE FLAP-ET	USA 61918920						
	MY-JOHN GOLD NIGHTMARE	USA 68691381						1
	MY-JOHN GOODYEAR-ET	USA 70725387						
29HO14358	MY-JOHN JARDIN BALLER-ET	USA 64855720						
	MY-JOHN JARDIN PLAYER-ET	USA 64855719				C		
29HO13919	MY-JOHN JECKEL-ET	USA 63786352						
29HO13481	MY-JOHN JOUST	USA 62279746						1
200HO05428	MY-JOHN KARIK-ET	USA 61918948						
200HO05427	MY-JOHN KEEPER-ET	USA 61918940						
29HO16265	MY-JOHN KRUEGER-ET	USA 69774740						
29HO13088	MY-JOHN LANCE MERLIN-ET	USA 61918939						
14HO06789	MY-JOHN LUE-ET	USA 69774739						
11HO08668	MY-JOHN MAGISTRATE-ET	USA 52345943						
	MY-JOHN MAN-O-MAN LOST-ET	USA 68691420						
1HO09803	MY-JOHN MANCHESTER CRI-ET	USA 65801542						
	MY-JOHN MANNY-ET	USA 69774788						
	MY-JOHN MAVERICK-ET	USA 69774814						
	MY-JOHN METEOR MARS-ET	USA 69774768						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MY-JOHN MICHIGAN-ET	USA 70725388						
	MY-JOHN MOTO-ET	USA 69774804						
	MY-JOHN MUSCODA CRI-ET	USA 65801532						
	MY-JOHN MUST-ET	USA 69774818						
29HO13041	MY-JOHN O-JOSH-ET	USA 61918916						
1HO08643	MY-JOHN OMAN KASPAR CRI-ET	USA 62030776			C			
507HO08094	MY-JOHN PIPPEN SCOTTIE-ET	USA 51827380						
	MY-JOHN PLANET CRATER-ET	USA 68691351						
	MY-JOHN PLANET MAGIC-ET	USA 68691357						
	MY-JOHN PLANET MAP-ET	USA 66280938						
	MY-JOHN PLANET MARS-ET	USA 66280931						
	MY-JOHN PLANET MIDDY-ET	USA 68691354						
	MY-JOHN PLANET SOLAR-ET	USA 66280989						
1HO08912	MY-JOHN POTTER THISTLE-ET	USA 62279681						
1HO07237	MY-JOHN R-MARSHAL-ET	USA 131216750						
200HO05825	MY-JOHN RESORT-ET	USA 63786353						
200HO05909	MY-JOHN ROB-ET	USA 63786387						1
	MY-JOHN ROBUST MADERO-ET	USA 70725385						
	MY-JOHN RUSSELL LUNAR-ET	USA 69774753						
	MY-JOHN SNAKE-ET	USA 64855712						
	MY-JOHN SUPER AL-ET	USA 69774743						
1HO10634	MY-JOHN TOUCH-ET	USA 69774799						
1HO09473	MY-JOHN ZENITH GERONIMO	USA 138152680						
7HO01619	MY-KINDA NIGHT DEPOSIT	USA 1886186						
7HO01877	MY-KINDA SELECTOR-ET	USA 1942972						
73HO01082	MY-KINDA STARSHINE-ET	CAN 389995						
	MY-KINE LADD SONOMA P-ET	USA 64730279						1
	MY-KINE LONG SAGE-ET	USA 73403616						
	MY-KINE PRDSTNE SAMSON-P-ET	USA 64730280						
	MY-STYLE BRONZE-ET	USA 61164710						
200HO03351	MY-STYLE BRUSTER	USA 61164662						
200HO03534	MY-STYLE BUSINESS-ET	USA 61164706						
14HO05037	MY-STYLE O-MAN BAILEY-ET	USA 61164683			C			
14HO05252	MY-STYLE POTTER BRINKLEY	USA 61164691						
	MY-STYLE SHAMROCK BAILEY	USA 68537122						
7HO08483	MY-STYLE WIZARD LYLE	USA 61164673						
202HO00859	MYBEST-ET	DEU 354475161						1
94HO14173	MYE038 BUXTON-ET	CAN 104875006						
73HO02641	MYJOCO CARGO-ET	CAN 6324127						
	MYJOCO MISSION	CAN 5328467	C					
288HO00180	MYLOW-ET	BEL 328079818						
	MYR-MATT ALTAOAK ALLEN-ET	USA 142877096						
	MYR-MATT ALTAOAK ARLIN-ET	USA 142877087						
	MYR-MATT ISY ELMO-ET	USA 142030259						
14HO07310	MYR-MATT ISY PINCHER-ET	USA 71909580						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 04/11/2016
(Blank=Tested-Free, C=Carrier) Use CTRL-F to search.**

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	MYR-MATT ISY STAR-ET	USA 71909576						
	MYR-MATT MERI SKYLINE-ET	USA 71909617						
	MYR-MATT MERIDIAN MAX-ET	USA 71909626						
1HO11096	MYR-MATT MOGUL PLATINUM	USA 71909652						
	MYR-MATT OAK PERKIN-ET	USA 73240640						
	MYR-MATT OAK PISTOL-ET	USA 73240649						
	MYR-MATT PAPHOS-ET	USA 71909618						
	MYR-MATT RACER 1604-ET	USA 74021135						
	MYR-MATT RACER 1605-ET	USA 74021136						
288HO00181	MYRKO-ET	BEL 528079820						
	MYRLANIE LOUIS	CAN 5114355						
515HO00162	MYROCK-ET	BEL 728079816						
73HO02630	MYRTILLE RACINE-ET	CAN 6295792						
	MYSTERY CARUSO HUCKLEBERRY	USA 141446675			C			
	MYSTERY DE ROCCAFARM-ET	BEL 957320551						
288HO00149	MYSTIC DE ROCCAFARM-ET	BEL 57320550						3
	MYSTICALVIEW PEEWEE-RED	840003012204385						
200HO06612	MYSTIQUE ACOUSTIQUE	CAN 107993364						
80HO00337	MYSTIQUE ACROBAT-ET	CAN 107993373						
200HO06055	MYSTIQUE ALCAN-ETS	CAN 105315422						1
200HO06631	MYSTIQUE ALSACE-ET	CAN 107993374						
73HO02800	MYSTIQUE BLONDIN MERLIN-ET	CAN 6478007	C					
	MYSTIQUE CAPRICE-ETS	CAN 6059732						
94HO17741	MYSTIQUE CELEBRITY-ETS	CAN 108722232					C	
200HO06248	MYSTIQUE CHACAL-ETS	CAN 105315463						
200HO06232	MYSTIQUE CRYSTALGATE-ETS	CAN 105900748					C	