

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
V-H COLT RACHAEL-RED-ET	USA 70373302						3
V-H COLT RAIN-RED-ET	USA 70373307						3
V-H REALITY ROJA-RED	USA 142839782						1
V-H SUPERSIRE WILLA	USA 72452197						
V-VALLEY HONEST-JOHN LANA	USA 58376630	C					
V-VALLEY LOGAN MARYANNE	USA 58376695			C			
V-VALLEY LOGAN TAFFY	USA 58376703			C			
V-VALLEY SEQUOIA RAINBOW	USA 58376633						
V-VALLEY TERMINATOR ALICE	USA 58376717		C				
V-VALLEY TERMINATOR LUCKY	USA 58376704		C				3
V-VIEW DESTRY MARIAH-RED-ET	USA 68803082						1
V-VIEW JORDAN KORIE	USA 71806897						
V-VIEW PHANTOM-JAVA	USA 71806898						
V-VIEW STORMATIC KARMA-ET	USA 71806893						3
VA ALEXANDER 4304 TOTO	USA 69545483						1
VA BINKY MACARON QUINN	USA 66090714						
VA BINKY MADISON QUALITY	USA 66090717						
VA BOGART 4397 WEASEL	USA 69545576			C			
VA BOGART 4456 TERESA	USA 69545475						
VA BOGART 4459 TINA	USA 69545487						
VA BOLIVER FLIGHT PAISLEY	USA 66090687			C			
VA BOLTON 4088 TAFFY-TW	USA 69545473						
VA BOLTON 4088 TOPPER-TW	USA 69545472						
VA BOLTON WOODS NORWAY	USA 63787597						
VA BOONE HANNAH NADIA	USA 63787586						
VA BRETON HANNAH JADA	USA 136377814						
VA BRIGEEN KENDAL QUIZ	USA 66090702						
VA BRONCO 4095 TWILIGHT	USA 69545493						
VA BRONCO 4114 VEGA	USA 69545551			C			
VA BRONCO 4184 TAMMI	USA 69545468						
VA BRONCO 4248 VONDA	USA 69545545			C			
VA BRONCO 4459 WISDOM	USA 71005733			C			
VA CABRIOLET 5195 5421	USA 73484936						
VA CABRIOLET 5217 5447	USA 73484962						
VA DAKOTA KANE NICOLE	USA 63787567						
VA DAMARIS SHIRLEY 5509	840003131878920						
VA DANE MARCIE GLORIE	USA 134883580						
VA DARREN 4343 POPPY	USA 64838678						
VA DARREN LOVE PARADISE	USA 66090688						
VA DENIM 4429 ARIELLE	USA 71005766						
VA DENIM 4564 BETTY	USA 71005796						
VA DENIM 4570 BLAIR	USA 71005812						
VA DOMINGO 4469 TOPAZ	USA 69545498						
VA DOMINGO 4517 TAMARA	USA 69545471						
VA FREDDIE 4184 WIN	USA 69545613						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VA GRAYBILL 4140 SHAY	USA 68533678						
VA HALOGEN 5118 5427	USA 73484942						
VA HAYDEN 4556 VESTA	USA 69545526						
VA HAYDEN 4569 VIVID	USA 69545522						
VA HAYDEN 4583 VALA	USA 69545517			C			
VA HOSEA BREEZE OPHELIA	USA 64838609						
VA JACEY QUE 5336	USA 73484851						
VA JACEY TOPAZ 5378	USA 73484893						
VA JAKE 5183 5429	USA 73484944						
VA JEEVES 4466 VERONA	USA 69545540						
VA JITTERBUG QUIZ 5332-TW	USA 73484847						
VA JITTERBUG WEASEL 5331	USA 73484846						
VA JIVES 4630 BELLA	USA 71005797						
VA LETHAL 4582 VENICE	USA 69545518						
VA LEVI 4778 ASMA	USA 71005773						
VA LION KING 4402 SHIMMER	USA 68533676						
VA LOMBARDI 5142 5405	USA 73484920						
VA MAN GLORIE QUICK-TW	USA 66090700						
VA MATCHES INGRID NOODLE	USA 63787604						
VA MIKE HESTER ELAINE	USA 133411919						
VA MIKE MELODY EVITA	USA 133208582						
VA MOGUL 5026 5268	USA 73484783						
VA MOGUL 5042 5282	USA 73484797						
VA MOGUL 5091 5344	USA 73484859						
VA MOGUL ASMA 5257	USA 73484772						
VA O-STYLE 4597 BESS	USA 71005802			C			
VA OMAN LANAE	USA 137722747			C			
VA PERRY 4700 BAMBI	USA 71996564						
VA PLANET 4114 BAILEY	USA 71005813						
VA PLANET 4557 TWISTER	USA 69545492						
VA PLANET 4812 BENTE	USA 71005822						
VA PLANET 5043 5291	USA 73484806						
VA PREDESTINE 5180 5422	USA 73484937						
VA PREDESTINE ADDY 5364	USA 73484879						3
VA PREDESTINE SHIRLEY 5366	USA 73484881						
VA RAINIER STASIA 5275	USA 73484790						
VA ROBUST 4697 ARMINA	USA 71005765						
VA RODGERS 5027 5472	840003131878883						
VA RODGERS 5073 5498	840003131878909						
VA RODGERS 5088 5508	840003131878919						
VA RODGERS 5201 5471	840003131878882						
VA SHAMROCK 4184 BRITA	USA 71996549						
VA SHAMROCK 4517 BREEZE	USA 71996559						
VA SHAMROCK 4810 BEA	USA 71996567						
VA SHAMROCK 4832 BIOLA	USA 71996554						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VA SHARKY HUNTER OCTAVIA	USA 64838619						
VA SHARKY IVANNA NATALIE	USA 63787607						
VA SHARKY JILL MACARONI	USA 63787551						
VA SHIPS LOTTIE FLIRTY	USA 133914636						
VA SUPER 4570 VEGA	USA 69545535						
VA SUPERSIRE 5088 5385	USA 73484900						
VA SUPERSIRE ASHLEY 5274	USA 73484789						
VA SUPERSIRE TRIXIE 5387	USA 73484902						
VA TROY 5042 5448	USA 73484963						
VA TROY 5052 5469	840003131878880						
VA TROY 5179 5438	USA 73484953						
VA WINCHESTER ATLAS WANDA	USA 132693220						
VA-EARLY-DAWN BAXTER SIMONE	USA 68836007						
VA-EARLY-DAWN BLT SIMONE-ET	USA 64011591						
VA-EARLY-DAWN CASSINO PIE	USA 68836054						
VA-EARLY-DAWN DMN BARGN-ET	USA 69935550						
VA-EARLY-DAWN ELTON TRIX-ET	USA 15556631						
VA-EARLY-DAWN FYI SPLEND	USA 68836045						1
VA-EARLY-DAWN JEEVES EDANA	USA 65428934						
VA-EARLY-DAWN MILLION REESE	USA 68836053						
VA-EARLY-DAWN PLANET LIBAC	USA 68836018						
VAARENDAHL ADOLF DOMINGO	USA 142700550						
VAARENDAHL ADOLF VIAGRA	USA 142700569						
VAARENDAHL AIR PASTO	USA 142700729						
VAARENDAHL AL ESTER	USA 142502787						
VAARENDAHL AMBROSE EBAY	USA 142061626						
VAARENDAHL AMBROSE FRIEND	USA 143119368						
VAARENDAHL BENTON DIPLOMA	USA 143386205						
VAARENDAHL BOOKEM CLUSTER	USA 143074188						
VAARENDAHL BOOKEM PAULINE	USA 143176527						
VAARENDAHL BOY POODLE	USA 142311815						
VAARENDAHL BOYBOY LOVE	USA 142502826						
VAARENDAHL BRADNICK FIONA	USA 141972202						
VAARENDAHL BRADNICK FRESCA	USA 141972181						
VAARENDAHL BUTZE DUFFY	USA 142061662						
VAARENDAHL CADILLAC YANDA	USA 142941557						
VAARENDAHL CHEECH CRAPPIE	USA 142536120						
VAARENDAHL CM BALLARD	USA 142162149						
VAARENDAHL CM DINGER	USA 142311860						
VAARENDAHL CM LINDA	USA 142162130						
VAARENDAHL COLT QUIZMO-RED	USA 141972257						
VAARENDAHL CURT PENNEY	USA 141972088	C					
VAARENDAHL DAMON FREEZY	USA 142578951						
VAARENDAHL DARTANYN PENALTY	USA 143385389						
VAARENDAHL DARTENYUN KAYLEE	USA 143176509	C					

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VAARENDAHL DESIGNATE BENDER	USA 143385398						
VAARENDAHL DESIGNATE VENUS	USA 143385370						
VAARENDAHL DISHRAG	USA 143119395						
VAARENDAHL DOM COWBOY	USA 142700868						
VAARENDAHL DOM DEKKER	USA 142536139	C					
VAARENDAHL DOM ECHO	USA 143176415						
VAARENDAHL DOM LAQUER-TW	USA 142700859						
VAARENDAHL DOM LIQUER-TW	USA 142700822						
VAARENDAHL DORCY LAYER	USA 142700466						
VAARENDAHL DOYLE FLUORIDE	USA 142578979						
VAARENDAHL DURABLE PEACE	USA 142162103						3
VAARENDAHL DURABLE POSSUM	USA 141880897		C				3
VAARENDAHL DURABLE SONIA	USA 141880888						3
VAARENDAHL DURABLE TULIP	USA 141972042		C				3
VAARENDAHL EMERALD HAWAII	USA 142061644	C					
VAARENDAHL EMERALD PHOEBE	USA 141972220						
VAARENDAHL EMERALD TORONTO	USA 141972172						
VAARENDAHL ENID RENTAL	USA 143119340			C			
VAARENDAHL ENID SHUTTER	USA 143119359	C		C			
VAARENDAHL ENID SUNSET	USA 143074227						
VAARENDAHL ERNIE CREAMIE	USA 141880909						
VAARENDAHL ESCALADE SLURPY	USA 141880860						
VAARENDAHL FRANKEN BALUGA	USA 142311851						
VAARENDAHL FROST LOONEY	USA 143278247						
VAARENDAHL FROSTY	USA 142061680						
VAARENDAHL GERWYN PENA	USA 143396707						
VAARENDAHL GILLESPIY LEMON	USA 142700532			C			
VAARENDAHL GILLESPIY VIOLENT	USA 142502844						
VAARENDAHL GOLD CHP LEONARD	USA 142061822						
VAARENDAHL GULF AILERON	USA 143278180						
VAARENDAHL GULF ALANA-TW	USA 142783335						
VAARENDAHL GULF AMAYA-TW	USA 142789041						
VAARENDAHL GUTHRIE KRONIE	USA 141972051	C					
VAARENDAHL HERO LARRY	USA 142162112						
VAARENDAHL HERO OLIVE	USA 142311824						
VAARENDAHL HERO POLITIC	USA 142378841						
VAARENDAHL HILL MASSEY	USA 142502853	C					
VAARENDAHL HILL MUTLEY	USA 141972163						
VAARENDAHL HILL PENCIL	USA 141880879						
VAARENDAHL HILL SHANIA	USA 142502808						
VAARENDAHL HILL SHOTTLE	USA 142162121	C					
VAARENDAHL HILL WICKED	USA 142311842						
VAARENDAHL HOORAY SLENDER	USA 143385437						
VAARENDAHL JETT AIR LICORIC	USA 143119377						
VAARENDAHL JETT AIR SERIOUS	USA 142941717						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VAARENDAHL JETT AIR YOUNG	USA 142536090		C				
VAARENDAHL JETTAIR NECTAR	USA 142578960						
VAARENDAHL LEAP LACY	USA 143074151						
VAARENDAHL LINEAR HONOLULU	USA 143074236	C					
VAARENDAHL LINEAR JULY	USA 143074179						
VAARENDAHL MAGNUS MARY	USA 142061671						
VAARENDAHL MAN-O-MAN OPERA	USA 142311833						
VAARENDAHL MASSEY APPLE	USA 143176497						
VAARENDAHL MASSEY BRAINY	USA 142700596						
VAARENDAHL MASSEY COWBOY	USA 143278210						
VAARENDAHL MASSEY KICKER	USA 143386214			C			
VAARENDAHL MASSEY NUTTY	USA 143074218						
VAARENDAHL MASSIVE AKRON	USA 142700747		C				
VAARENDAHL MCFLY DAYTIME	USA 142984606	C					
VAARENDAHL MCFLY GOSPEL	USA 142578915						
VAARENDAHL MOM2 BLENDER	USA 143176433						
VAARENDAHL MOM2 EARTH	USA 143074160						
VAARENDAHL MOM2 ESAU	USA 143074197						
VAARENDAHL MOM2 MIGHTY	USA 143074209						
VAARENDAHL MOM2 SLEEPY	USA 143176424	C					
VAARENDAHL MOM2 UEKER	USA 143385446						
VAARENDAHL NOBEL WANDER	USA 141973100						
VAARENDAHL OBSERVER SNUGGLE	USA 142984585						
VAARENDAHL OLEGANT CLUSTER	USA 142536102						
VAARENDAHL OLEGANT DOODLE	USA 142700475						
VAARENDAHL OLEGANT GUSHER	USA 141972248						
VAARENDAHL OLEGANT LUMBER	USA 142700505						
VAARENDAHL OLEGANT SACRED	USA 142378917						
VAARENDAHL OLEGANT SHINGLE	USA 142061701						
VAARENDAHL OLEGANT YOLO	USA 142941708						
VAARENDAHL ORRIN KYLIE	USA 142700587	C					
VAARENDAHL PATRIOT BOOGER	USA 142783326						
VAARENDAHL PATRIOT SELENA	USA 142941696						
VAARENDAHL PINBALL	USA 142061653						
VAARENDAHL POWER	USA 142700578						
VAARENDAHL PREDEST KARTEL	USA 142783317						3
VAARENDAHL PREDESTINE PUNK	USA 142984594						3
VAARENDAHL PRIOR KELLY	USA 142378850			C			
VAARENDAHL QUILL-RED	USA 142378896						
VAARENDAHL RACER GALLOP	USA 143385428						
VAARENDAHL RAWLINS LUNATIC	USA 143386223						
VAARENDAHL RLITY QUAZAR-RED	USA 142783308						1
VAARENDAHL ROBINSON BISTRO	USA 142941539						
VAARENDAHL RUDOLPH FERN-ET	USA 17384760						
VAARENDAHL RYKER MUSTARD	USA 142378935			C			

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VAARENDAHL RYKER TINSEL	USA 142502796						
VAARENDAHL SAVE POLLY	USA 143119407						
VAARENDAHL SHAMROCK BASIC	USA 143176518						
VAARENDAHL SHOT ELLEN	USA 142061635						
VAARENDAHL SHOWTIME QUAZAR	USA 143385400						
VAARENDAHL SNORT	USA 143385419						
VAARENDAHL STRING KLOE	USA 142984576					C	
VAARENDAHL SUPER BULLY	USA 142378869						
VAARENDAHL SUPER RILEY	USA 141972266						
VAARENDAHL SUPER SNUFFY	USA 142311806						
VAARENDAHL TRUMP FLUTTER-TW	USA 141972109						
VAARENDAHL TYEE UMBRELA	USA 142502778						
VAARENDAHL WATSON FRYER	USA 142984558						
VAARENDAHL WATSON WEARY	USA 142984567			C		C	
VAARENDAHL WONEWOC	USA 142700541						
VAARENDAHL YANCE YODLE	USA 142783344						
VACHALE OUTSIDE ANAWOW-ET	CAN 100400317		C				
VACOLAIT ATWOOD CHARM-ET	CAN 106648431						
VAILL MCFLY TONIE	USA 73818246						
VAILWOOD ATWOOD SADIE-ET	840003014334806						1
VAILWOOD ATWOOD SARAH-ET	840003123600939						
VAL-BISSON CONTRAST ILLARA-ETS	CAN 107281681						3
VAL-BISSON FINLEY DREAM-ET	CAN 101944515						
VAL-BISSON GOLDWYN MARJO-ETS	CAN 103549173						
VAL-BISSON GOLDWYN MAYA-ET	CAN 103857739						1
VAL-BISSON M O M MAYALY-ET	CAN 106690982						
VAL-BISSON M O M MAYANNE-ET	CAN 106690981						
VAL-BISSON M O M MAYELLE-ET	CAN 106690980						
VAL-BISSON SHOTTLE IMELDA-ET	CAN 106173432					C	
VAL-BISSON WINDBROOK ICECREAM	CAN 107281667						1
VAL-E-VUE JOHNSON 9260-TW	840003134376552			C			
VAL-E-VUE JOHNSON 9261-TW	840003134376553						
VALELAC ALTASAMOA KERRIE	USA 72095337			C			
VALELAC ALTASAMOA MOLLIE	USA 72095339						
VALELAC ALTASAMOA OLIVIA	USA 72095341			C			
VALELAC ALTASAMOA PAULA	USA 72095342						
VALELAC BURT ROSA	USA 72095343						
VALELAC BURT VERA	USA 72095346						
VALELAC DALEY JENNA	USA 72095336						
VALELAC ENSIGN LORRIE	USA 72095338						
VALELAC FRANK AILEEN	USA 72095347						
VALELAC NETWORTH SASHA	USA 72095344						
VALELAC NETWORTH TARA	USA 72095345						
VALELAC ONESHOT BELINDA	USA 72095348			C			
VALELAC ONESHOT NORA	USA 72095340						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VALELAC ROSS HOLLY	USA 72095334			C			
VALENTIA GULF CINNAMON	840003129888880						
VALENTIA GULF YOYO	840003129888878						
VALENTINE ADOLPH RAVENA	USA 134602277						
VALENTINE CAM FREEZE-ET	USA 137935044						
VALKIES ALEXANDER JULIP	USA 71952297						1
VALKIES ARMANI BECKY	USA 73425462						1
VALKIES ARMANI DELANEY	USA 73425441						2
VALKIES ARMANI DOLLUP	USA 73425442						1
VALKIES ARMANI EAGLETT	USA 73425443						1
VALKIES ARMANI NARLIE-TW	USA 73425445						3
VALKIES ARMANI NOSEY-TW	USA 73425444		C				3
VALKIES ARMANI SIGHT	USA 73425439						
VALKIES ARMANI SIMBA	USA 73425490						1
VALKIES COLBY JACKIE CRI-ET	USA 64541765						
VALKIES COLT P ELOPE-RED	USA 73425432						
VALKIES CROSSOVER DROID	USA 73425467						
VALKIES DAMARIS BENJI	USA 73425496						3
VALKIES DAMARIS JONI	USA 73425498						
VALKIES DAMARIS JUNEAU	USA 73425495						1
VALKIES DECEIVER BLASTED	USA 73425474	C	C				
VALKIES DECEIVER DELLA	USA 73425493						
VALKIES DECEIVER NADA	USA 73425492						
VALKIES DECEIVER NORTH	USA 73425485						
VALKIES DECEIVER SWEET	USA 73425494					C	
VALKIES DEFENDER JANE	USA 73425459						
VALKIES DEFENDER JIFFY	USA 73425461						
VALKIES ENID BIRTIE	USA 73425449	C					
VALKIES G W ATWOOD DALLY	USA 73425450						
VALKIES GABOR NEWS	USA 73425434						
VALKIES GOLD CHIP JUNIPER	USA 73425457						3
VALKIES GOLD CHIP NIFTY	USA 71952325						
VALKIES GOLD CHIP NUTTY	USA 73425451						
VALKIES GOLD CHIP SATIN	USA 73425456						
VALKIES GOLDWYN JULIANN-ET	USA 69336970						1
VALKIES GULF EMAIL	USA 73425435						
VALKIES GULF FRAPPE	USA 73425431						
VALKIES GULF JIGSAW	USA 73425430						
VALKIES GUTHRIE FANCY	USA 71952285						
VALKIES GUTHRIE HATTIE	USA 71952292						
VALKIES GUTHRIE JAR	USA 71952301						
VALKIES HALOGEN ELSA	USA 73425500						
VALKIES HALOGEN EVE	USA 73425489						
VALKIES HALOGEN JORDY	USA 73425465						
VALKIES HALOGEN NEMO	USA 73425464			C			

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VALKIES HALOGEN NUTELLA	USA 73425478						
VALKIES HALOGEN PIE	USA 73425466						
VALKIES HALOGEN SALSA	USA 73425476						
VALKIES HERO PUTTY	USA 71952329	C					
VALKIES LADD P ERA-RED	USA 73425447					C	1
VALKIES MARSHALL JANUARY	USA 60870877						
VALKIES MAYFIELD BATTER	USA 73425437			C			3
VALKIES MAYFIELD DARLA	USA 73425438			C			
VALKIES MAYFIELD DIPITY	USA 73425440						
VALKIES MAYFIELD JARGON	USA 73425433			C			
VALKIES MAYFIELD JUMBO	USA 73425446						
VALKIES MAYFIELD POLLY	USA 73425460						
VALKIES MAYFIELD SNAP	USA 73425458						
VALKIES MAYFIELD SOCIAL	USA 73425436			C			
VALKIES MOGUL NIKKI	USA 73425472						
VALKIES MOGUL NIMROD	USA 73425463						
VALKIES MOGUL NINJA-ET	USA 71952339			C			
VALKIES MONTROSS SANTANA	USA 73425497						
VALKIES MOSEBY JULIE	USA 73425448						3
VALKIES PARTYROCK JEM	USA 73425452			C			
VALKIES PLANET EDRIC	USA 68711141			C			
VALKIES PLANET FRAME	USA 69336984						
VALKIES RAMOS NEONO-ET	USA 65249152			C			
VALKIES RAMOS SUBARU-ET	USA 65249151						
VALKIES ROLAND ECSTASY	USA 71952319						
VALKIES SABATHIA BEAUTY	USA 73425487						
VALKIES SHAMROCK NAUGHTY	USA 71952286						
VALKIES SHAMROCK NORAH	USA 73425481						
VALKIES SHAMROCK SASSY	USA 71952334						
VALKIES SHAMROCK SUGAR	USA 65249057						
VALKIES SPUR BUTTON	USA 73425477						
VALKIES SPUR CASEY	USA 73425480	C					
VALKIES SPUR EMMA	USA 73425453		C				
VALKIES SPUR NINA-TW	USA 73425455						
VALKIES SPUR NITRO-TW	USA 73425454						
VALKIES SPUR NOELLE	USA 73425484						
VALKIES YODER NEST	USA 73425488						
VALLEY-DRIVE BG ZAPHIRE-ET	USA 138307192						
VALLEY-RIVER GOLD CHIP CALA	USA 74405874						
VALLEY-STAR BOLTON VIPPER	USA 139119495						
VALLEY-STAR CHAMPION EGG	USA 136514198						
VALLEY-STAR DURHAM VERB	USA 138218865		C				
VALLEY-STAR OUTSID VICKI-TW	USA 134464479		C				
VALLEYS-END LEEDER EMILY	USA 139221831	C					
VALLEYVILLE DOLMAN MISSY-ET	CAN 9720342						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VALLEYVILLE GOLDWYN TASHA-ET	CAN 11123523						1
VALLEYVILLE SANCHEZ VIOLET-ET	CAN 11469111		C				
VALRUEST LAVAMAN LILO-ET	CAN 106846711					C	1
VAN-ACRES ELTON MINI MIA	USA 62451091						
VAN-ACRES FINEST ADVENTURE	USA 65685609						
VAN-DAM DOORMAN 2763	840003125178137					C	
VAN-DAM DOORMAN 2863	840003125178237					C	
VAN-DAM KYLE 3359	840003132275822					C	
VAN-DAM MANIFOLD 2886	840003125178260						
VAN-DAM MANIFOLD 774	USA 70213039			C			
VAN-DAM MONTEREY 3050	840003127161485						
VAN-DAM MONTEREY 3121	840003129431412						
VAN-DAM PLANET 1858	USA 71850429			C			
VAN-DAM ROBUST 3068	840003127161503						
VAN-DAM ROBUST 3098	840003127161533						
VAN-DAM ROBUST 3103	840003129431394						
VAN-DAM ROBUST 3138	840003129431429						
VAN-DYK PATI AUTOPILOT P-TW	USA 74621302						
VAN-FEL-JM BOLTEN PANDA 621	USA 63203663						
VAN-FEL-JM FBM PELLA 917	USA 69811366						
VAN-WAN COLBRICK 692	USA 58923849						
VAN-WAN COLBRICK 701	USA 73847209		C				
VAN-WAN LAUSMART TOTTIONA	USA 74189663					C	
VAN-WAN LUCIANO LASHONN	USA 73847228						
VAN-WAN MERIDIAN 677	USA 58923844						
VAN-WAN MERIDIAN ELEXUSLASH	USA 73847220						
VAN-WAN NOMINEE JAZMYN	USA 73847227						
VAN-WAN SLEEMAN 702	USA 73847210						
VAN-WAN SUPERSIRE 664	USA 58923841						
VAN-WAN SUPERSIRE 674	USA 58923850						
VAN1243 COMPLEX 166	CAN 9797761						
VANCOUVE 70-ET	DEU 768595222						
VANDE GOLD C LADY IN-RED-ET	USA 141799456					C	
VANDE GOLD CHIP LILLY-ET	USA 141920027						
VANDE LBLICK MABEL-RED-ET	USA 62485937						
VANDE LOLITA-RED-ET	USA 70609140						
VANDE LUCKY 13-RED-ET	USA 73249547						
VANDE MANOMAN LIVEWIRE-ET	USA 70119133						
VANDE SHOT TIFFANY-RED-ET	USA 68670279						
VANDE WIND LADY A-RED-ET	USA 70119139						
VANDE WIND LADY LUCK-RED-ET	USA 70119141					C	1
VANDEN-BERGE CABRIOLET 2955	USA 143296164						
VANDEN-BERGE D DELTA 272	840003132360008						
VANDEN-BERGE D MOGUL 205	840003132360016						
VANDEN-BERGE D SPRNG 188-ET	840003132360017						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDEN-BERGE D SSHOT 326-ET	840003132360005						
VANDEN-BERGE D SSHOT 358-ET	840003132360004						
VANDEN-BERGE D SSHOT 404-ET	840003132360000						
VANDEN-BERGE EM SEQUIN 4798	USA 143261850						
VANDEN-BERGE FREDDIE 5765	USA 142816048						
VANDEN-BERGE GUAGE BIANCA	840003132359995						
VANDEN-BERGE HOT CHLOE-ET	840003132359979						
VANDEN-BERGE JSR MARY 5601	840003130478802						
VANDEN-BERGE JTSET MAY 1019	USA 142910854						
VANDEN-BERGE KRISTOFF 6596	USA 142593428						
VANDEN-BERGE MAGNATE 3505	USA 143147639						
VANDEN-BERGE MONTEREY 219	840003132360014						
VANDEN-BERGE SHEEN 3958-ET	USA 143182212						3
VANDEN-BERGE SHEEN 3965-ET	USA 143182294						
VANDEN-BERGE SHEEN 4087-ET	USA 143193890						3
VANDEN-BERGE SHK MERLA 2159	USA 143029450						
VANDEN-BERGE SPR DEMI365-ET	840003132360002						
VANDEN-BERGE SPR DEMI407-ET	840003132359999						
VANDEN-BERGE SSHOT DEMI-ET	840003132359983						
VANDEN-BERGE VALGA 223-ET	840003132360013						
VANDEN-BERGE VALGA 260-ET	840003132360011						
VANDEN-BERGE VALGA 265-ET	840003132360010						
VANDEN-BERGE VALGA 271-ET	840003132360009						
VANDEN-BERGE VALGA 299-ET	840003132360007						
VANDEN-BERGE VALGA 306-ET	840003132360006						
VANDEN-BERGE YOY BIANCA3692	USA 143172028						
VANDERHAM ASPEN DYZ-2-ET	USA 141007748	C					
VANDERHAM ATWOOD DYLYNN-ET	USA 141715689						
VANDERHAM D SEDONA-3-RED-ET	USA 141715737						
VANDOSKES	USA 72731459						
VANDOSKES	USA 72731462						
VANDOSKES	USA 72731463						
VANDOSKES	USA 72731466						
VANDOSKES ANCHOR 3756	840003130389312						
VANDOSKES ANDIRON 3733	840003130389289						
VANDOSKES AXFORD ANNIE	USA 74583299						
VANDOSKES BREKEM 3732	840003130389288						3
VANDOSKES BRICK BUBBLES	USA 65306391						
VANDOSKES BYWAY 3685	840003130385675						
VANDOSKES CAVIAR 3683	840003130385673						
VANDOSKES CAVIAR 3699	840003130385689						
VANDOSKES CAVIAR 3706	840003130389262						
VANDOSKES CAVIAR 3707	840003130389263						
VANDOSKES CAVIAR 3712	840003130389268						
VANDOSKES CAVIAR 3723	840003130389279						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDOSKES CAVIAR 3731	840003130389287						3
VANDOSKES CAVIAR 3757	840003130389313		C				
VANDOSKES CAVIAR 3768	840003130389324						
VANDOSKES CAVIAR FREDDY	840003130385659						
VANDOSKES DERAY 3564	USA 74244249						
VANDOSKES DERAY 3575	USA 74244260						
VANDOSKES DERAY 3714	840003130389270						
VANDOSKES DERAY DARLA	840003130389303						
VANDOSKES DOORMAN 3558	USA 74244243						
VANDOSKES DOORMAN 3623	USA 74583280						
VANDOSKES DOORMAN DARCI-ET	840003130385649						
VANDOSKES DOORMAN DARLA	USA 74244281					C	
VANDOSKES DOORMAN MANDY	840003130389305					C	
VANDOSKES DURBIN 3748	840003130389304						
VANDOSKES DURBIN 3765	840003130389321						
VANDOSKES DURBIN 3766	840003130389322						
VANDOSKES DURBIN DESTINY-ET	USA 74244242						1
VANDOSKES EMERO 3717	840003130389273						
VANDOSKES ENVIOUS 3718	840003130389274					C	
VANDOSKES ENVIOUS 3739	840003130389295		C				
VANDOSKES ENVIOUS 3741	840003130389297						
VANDOSKES EQUATION MICKEY	USA 74244277						
VANDOSKES FABULOUS MAXINE	USA 65306383	C					
VANDOSKES FEVER CARLY	USA 74583258						
VANDOSKES FIX 3760	840003130389316						
VANDOSKES FIX 3762	840003130389318						
VANDOSKES FIX 3767	840003130389323						
VANDOSKES FIX 3769	840003130389325						
VANDOSKES FIX 3770	840003130389326						
VANDOSKES HEFTY 3588	USA 74244273						
VANDOSKES HEFTY 3745	840003130389301						
VANDOSKES HEFTY 3752	840003130389308						
VANDOSKES IMPRESSION 3708	840003130389264						
VANDOSKES IMPRESSION 3726	840003130389282						
VANDOSKES IMPRESSION 3737	840003130389293						
VANDOSKES IMPRESSION 3761	840003130389317						
VANDOSKES IMPRESSION PT-TW	USA 74583278						
VANDOSKES INDIGO 3738	840003130389294						
VANDOSKES INTEGRAL 3758	840003130389314						
VANDOSKES JETT AIR 3725	840003130389281						3
VANDOSKES JETT AIR 3740	840003130389296						
VANDOSKES JETT AIR 3744	840003130389300					C	
VANDOSKES JETT AIR 3750	840003130389306						
VANDOSKES KAMIK 3697	840003130385687						
VANDOSKES LANCOME 3709	840003130389265						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDOSKES LANCOME 3710	840003130389266						
VANDOSKES LANCOME 3764	840003130389320						
VANDOSKES LANIGAN 3711	840003130389267						
VANDOSKES LANIGAN 3720	840003130389276						
VANDOSKES LAUTHORITY BRANDY	840003130389298						3
VANDOSKES LOVERMAN 3751	840003130389307					C	
VANDOSKES MANIFOLD 3724	840003130389280						
VANDOSKES MANIFOLD 3755	840003130389311						
VANDOSKES MANIFOLD MANNY	USA 72731461			C			
VANDOSKES MERCHANDISE 3704	840003130389260	C		C			
VANDOSKES MERCHANDISE 3727	840003130389283	C					3
VANDOSKES MERIDIAN 3677	840003130385667						
VANDOSKES MERIDIAN 3679	840003130385669						
VANDOSKES MERIDIAN 3684	840003130385674						
VANDOSKES MERIDIAN 3690	840003130385680						
VANDOSKES MERIDIAN 3713	840003130389269						
VANDOSKES MERIDIAN 3719	840003130389275						
VANDOSKES MERIDIAN 3722	840003130389278						
VANDOSKES MERIDIAN BOBBI	USA 74583296	C					
VANDOSKES MERIDIAN FRAN	USA 74583265						3
VANDOSKES MERIDIAN JADE	USA 74583264						
VANDOSKES MERIDIAN PATTY	840003130385653						
VANDOSKES MERIDIAN VICKIE	USA 74583283						
VANDOSKES MR METAL 3753	840003130389309						
VANDOSKES MUNITION 3763	840003130389319						
VANDOSKES MUSCADET 3729	840003130389285						
VANDOSKES NUMERO UNO 3681	840003130385671						
VANDOSKES NUMERO UNO 3691	840003130385681						
VANDOSKES NUMERO UNO 3695	840003130385685						
VANDOSKES NUMERO UNO 3696	840003130385686						
VANDOSKES NUMERO UNO 3701	840003130389257						
VANDOSKES NUMERO UNO 3716	840003130389272						
VANDOSKES NUMERO UNO 3721	840003130389277						
VANDOSKES NUMERO UNO 3728	840003130389284						
VANDOSKES OVERTIME-P 3754	840003130389310						
VANDOSKES PROVIDENCE ALLI	USA 74583303						
VANDOSKES SALOON 3703	840003130389259						1
VANDOSKES SALOON 3735	840003130389291						
VANDOSKES SATCHEL CHERI-RED	USA 72365584						
VANDOSKES SIGNATURE 3678	840003130385668						
VANDOSKES SNOW 3579	USA 74244264						
VANDOSKES SNOW AVERY	USA 74244270			C			
VANDOSKES SNOW PAIGE	USA 74244241			C			
VANDOSKES SNOW SALLY	USA 74583284						
VANDOSKES SNOW WHITNEY-TW	USA 74583273						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDOSKES TEDDY 3687	840003130385677						
VANDOSKES TEDDY 3693	840003130385683						3
VANDOSKES TEDDY 3694	840003130385684						
VANDOSKES TEDDY 3698	840003130385688	C					
VANDOSKES UNO 3644	USA 74583301						
VANDOSKES UNO 3645	USA 74583302						
VANDOSKES UNO 3649	USA 74583306						
VANDOSKES UNO ALEXIA	USA 74244282						
VANDYK-K A-SHOCK PHILLY-ET	USA 70978600						1
VANDYK-K A-SHOCK PHOENIX-ET	USA 70978598						1
VANDYK-K ADVENT RUFFLES-ET	USA 139681295						
VANDYK-K ATWOOD PATCHES-ET	USA 141700557						
VANDYK-K BEACON RACHAEL	USA 141748348						
VANDYK-K BRAD PHANTASY-ET	USA 142192551						1
VANDYK-K DOMAIN HOTTIE	USA 141608042						
VANDYK-K DOMAIN PEPSI	USA 141362836						
VANDYK-K DOMAIN PROPHECY	USA 141922618						
VANDYK-K DUPLEX RAMPAGE-ET	USA 139732807						
VANDYK-K DURHAM DELLA	USA 141108001						
VANDYK-K ENCORE PATTIE-ET	USA 133361531						
VANDYK-K FULL THROTTLE-ET	USA 139725447						
VANDYK-K MCCUTCH CHASITY	USA 142437430						
VANDYK-K MCCUTCHEN PEARL	USA 74518276						1
VANDYK-K MOGUL CELESTE-ET	USA 142322774						
VANDYK-K MOGUL CHRISTIE-ET	USA 142322765						
VANDYK-K PANSYS DILLY-ET	USA 140056150						
VANDYK-K PHOENIX PHINE-ET	USA 142196724						1
VANDYK-K PHOENIX PHIRE-ET	USA 142196715						
VANDYK-K PRINCESS-RED-ET	USA 140607721						1
VANDYK-K PRISM POISON-ET	USA 139531273						1
VANDYK-K ROCK N ROLL-ET	USA 139681307						
VANDYK-K SHOT PASTEL-ETS	USA 140248706						
VANDYK-K SUPER ANNASTASIA	USA 141203274						
VANDYK-K SUPER CHELSEY	USA 141203247						
VANDYK-K SUPER PANDA-ET	USA 141536248						1
VANDYK-K SUPER PISCES	USA 141050410						
VANDYK-K SUPER POWER-ET	USA 140980893						
VANDYK-S A-P CASSIE	840003130279576						1
VANDYK-S A-P FLASH	840003130279571						
VANDYK-S A-P GLORY GIRL	840003130279585						
VANDYK-S A-P JESSICA	USA 74592400						
VANDYK-S A-P LIDIA	840003130279546						
VANDYK-S A-P TALIN	840003130279540						
VANDYK-S ADONIS ANNIE	840003130279544						
VANDYK-S ADONIS MARINA	USA 74592414						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDYK-S ADONIS QUINN	USA 74185356		C				3
VANDYK-S ALCHEMY GISELLE	USA 71743638						1
VANDYK-S ATLANTIC DAYLEE	USA 68965570						
VANDYK-S ATLANTIC SURF-TW	USA 68965566						
VANDYK-S ATLANTIC ZOLIE	USA 74185351						
VANDYK-S ATWOOD GALY JO-ET	USA 72779451						
VANDYK-S BALTIMOR PALIN	USA 74592389			C			
VANDYK-S BIG TIME LUCY-ET	USA 69949298						
VANDYK-S BLITZ TRAY	USA 62135165						
VANDYK-S BOXER ALLISHA	USA 70757444	C					
VANDYK-S BOXER TRIXIE JO	USA 70250990		C				
VANDYK-S BRONCO CARLEE	USA 69612855		C				
VANDYK-S BRONCO MOUSEKETEER	USA 70250968			C			
VANDYK-S BRONCO PALUZA	USA 69612911						
VANDYK-S BUCKEYE STACI RAE	USA 66724702			C			1
VANDYK-S CHELIOS KATRINA	USA 74592416						
VANDYK-S CLARK DAYJA	840003130279555						
VANDYK-S CLARK EDITION	USA 74185382						
VANDYK-S CLARK FLASH	USA 74185370						
VANDYK-S CLARK IVANKA	USA 74185367						1
VANDYK-S CLARK KAREN	USA 74185392						
VANDYK-S CLARK PATELLA	USA 74592368						
VANDYK-S CONTRAST MISTLETOE	USA 70978625						3
VANDYK-S D-P VALENTINE-RED	USA 74592378						
VANDYK-S DAY IN THE SURF	USA 72296965						
VANDYK-S DAYSTAR COHLIE-TW	840003130279629						
VANDYK-S DE PRINCE KACEE	USA 74592403						
VANDYK-S DEX TROPHY	USA 65413729						
VANDYK-S DI MISBEHAVING-ET	USA 70757441						
VANDYK-S DI MISCHIEVOUS-ET	USA 70757437		C				
VANDYK-S DI MISSERIE-ET	USA 71387379		C				
VANDYK-S DI MISSISSIPPI-ET	USA 71387356						
VANDYK-S DI MYSTERIOUS-ET	USA 70757473						
VANDYK-S DOMAIN DOGWOOD	USA 74185376						1
VANDYK-S DOMAIN LIBERATION	USA 74185360						
VANDYK-S DOMAIN SOLO	840003131104733		C				
VANDYK-S DURANGO EVERLYNN	840003131104765						
VANDYK-S DYMON ALICE	USA 74592386						
VANDYK-S DYMON ANNETTE	840003130279570						
VANDYK-S DYMON DESHA	840003130279588						
VANDYK-S DYMON EMMALEE	840003130279575						
VANDYK-S DYMON IVEY BELL	USA 74592462	C					
VANDYK-S EMBARGO MIKALA	840003130279574						
VANDYK-S EMBARGO TYANNA	USA 74592423						
VANDYK-S EXPLODE AU LEI-ET	USA 70978592			C			

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDYK-S EXPLODE AULANI-ET	USA 70978575			C			
VANDYK-S EXPLODE AULEEA-ET	USA 70978582						
VANDYK-S FACEBOOK IVEE	USA 71909846						
VANDYK-S FACEBOOK MONA	USA 71909879						
VANDYK-S FAVRE HENLEY JO	840003130279606						
VANDYK-S FAVRE MIKA	USA 74592430		C			C	
VANDYK-S FAVRE NORTH POLE	840003131104721						
VANDYK-S FAVRE ROSALYN	840003130279578		C				
VANDYK-S FAVRE SARAHANA	840003130279599						
VANDYK-S FAVRE ZETTA	840003130279534		C				
VANDYK-S FLAWLESS COLEE	USA 74185375		C				
VANDYK-S FLAWLESS MAME	USA 74185377						
VANDYK-S FREEMAN ALLISHA	USA 62135093	C					
VANDYK-S FUSION KATE	USA 70978591						
VANDYK-S GIFIAN KALLI	840003131104764						
VANDYK-S GOLD CHIP DIVA-ET	USA 71387344						
VANDYK-S GOLD CHIP GLISTEN	USA 71743637						
VANDYK-S GOLDWYN MOUSANN	USA 62758863						
VANDYK-S HUNGER RAIL FENCE	840003131104741						
VANDYK-S HUNGER SEABREEZE	USA 74592398		C				
VANDYK-S KUHN ELECTRA	840003130279554						
VANDYK-S LABEL DAYLITE	840003130279591						3
VANDYK-S LICORICE CASEY	USA 74185350						
VANDYK-S MCGIRT EVANGELINE	840003130279536	C		C			
VANDYK-S MCGIRT LIDIA	USA 74592374			C			
VANDYK-S MCGIRT MILLY	840003131104723			C			
VANDYK-S MCLEAN ALISON	USA 74592417						
VANDYK-S MCLEAN CRISSY	USA 74185398					C	
VANDYK-S MCLEAN DESHA	840003131104767						
VANDYK-S MCLEAN KEIRSTIN	840003130279611						
VANDYK-S MILES DANNI	USA 74185397						
VANDYK-S MILES MISALYN	USA 74592366						
VANDYK-S MILES SHIA	USA 74185355						
VANDYK-S MILES STANEY RAE	USA 74592399						
VANDYK-S MILES TENNILLE	USA 74592419						
VANDYK-S MINNESOTA HELENE	USA 74592461						
VANDYK-S MIXER IVEY BELL	USA 72296980	C					
VANDYK-S MIXER MICKEY MOUSE	USA 72296958			C			
VANDYK-S MIXER RIO RAE	USA 72296978					C	
VANDYK-S MR SAM MAEGEN	USA 74185362						
VANDYK-S NEITZEL CHERISH	USA 74592431						
VANDYK-S NEITZEL SARAH	840003130279573						
VANDYK-S OUTSIDE DAYSHA	USA 62758799						
VANDYK-S OUTSIDE GABY JO-ET	USA 65413694		C				
VANDYK-S OUTSIDE LIBBY	USA 61185232						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VANDYK-S PAYTON SCARLET	840003131104724						
VANDYK-S PRONTO DEVIOUS	USA 66005228						
VANDYK-S PUNCH BRITTENY	USA 74592455						3
VANDYK-S PUNCH DYNAMIC	USA 74592396						
VANDYK-S PUNCH FLORIDA	USA 74592373						
VANDYK-S PUNCH GINGERALE	USA 74592371						
VANDYK-S PUNCH GLORY	USA 71909818						
VANDYK-S REGINALD EAST	USA 74592391						
VANDYK-S REGINALD TIA	USA 74185396						
VANDYK-S ROY CARLY	USA 62135167						
VANDYK-S SAILOR MATYA	USA 62341811						
VANDYK-S SAILOR SIS	USA 61892445						
VANDYK-S SAILOR TALIN	USA 61892450						
VANDYK-S SALOON ALLISHA	USA 72779442						
VANDYK-S SANCHEZ PAIGE	USA 68746554						
VANDYK-S SHOTTLE AUDREE-ET	USA 69612888					C	
VANDYK-S SHOTTLE AUTRY-ET	USA 69612889			C			
VANDYK-S SHOTTLE AUTUMN-ET	USA 69612890			C		C	
VANDYK-S SPHINX KACEE	USA 62513845						
VANDYK-S SUPER SPARK	USA 74185359					C	1
VANDYK-S SUPERSIRE CATHRINE	840003131104729						
VANDYK-S SUPERSONIC LUCY	USA 71743600						
VANDYK-S TIME HEARTBREAKER	USA 69366131						
VANDYK-S TIME RAVISH	USA 69366183						
VANDYK-S TITANIC GHANA	USA 62513818						
VANDYK-S TITANIC RAGINA	USA 62341879						1
VANDYK-S VIRGILE MAGGIE	USA 62341814						
VANDYK-S WICKHAM CHESTNUT	840003130279559						
VANDYK-S WICKHAM MARLA	840003130279601						
VANDYK-S WORLDWIDE ERICA	840003130279550						
VANDYK-S WORLDWIDE LANDI	USA 74185383						
VANDYK-S WORLDWIDE MYKAELA	USA 74592381						
VANDYK-S ZANZIBAR ALONDRA	840003131104766						
VANDYK-S-D PRECIOUS ROSE	USA 74592437						
VANTAGE-PT SHIP BETSEY-ET	USA 134562515						
VAR-BROS J STREAM MARLA-ET	840003001044886						
VAR-BROS JET MADELYN-ET	840003001697452						
VAR-BROS JET MYRA-ET	840003001697455						
VAR-BROS OMAN MARIA-ET	840003001044905			C			
VATLAND 1STC MILAN 4205-ET	840003126231429						
VATLAND 1STC MIRI 4207-ET	840003126231431						
VATLAND ATW MARIAH 3060-ETS	USA 68959867						
VATLAND ATW MARION 3059-ETS	USA 68959866						
VATLAND ATWD MARIA 3061-ET	USA 68959868						
VATLAND BEN MARGO 3773	USA 71207182						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VATLAND BOWSER MERI 3155-ET	USA 68959962						
VATLAND BURNER LANA 4396	840003126231620						
VATLAND CASHCOIN TRISH 3974	840003012522899						
VATLAND CRANK IT CANDY 4304	840003126231528						
VATLAND DAY MARISA 3776	USA 71207185						
VATLAND DFNDR MONA 4106-ET	840003012523031						
VATLAND DFNDR MYRA 4107-ET	840003012523032						
VATLAND DORCY MARA 3289-ET	USA 69937116						
VATLAND DREAM MAYBEL 4296	840003126231520						
VATLAND EARNIT MIST 3035	USA 68959842						
VATLAND EPIC TESSIE 3680-ET	USA 71207089						
VATLAND EXPLODE MARGO 3457	USA 69937284						
VATLAND JOHNSON LANA 3940	840003012522865						
VATLAND JVES MORGAN 3123-ET	USA 68959930						
VATLAND KBOY MORGAN 4137-ET	840003126231361						
VATLAND KBOY MOSAIC 4133-ET	840003126231357						
VATLAND KINGBOY MERCA 4217	840003126231441						
VATLAND LATIMER MARA 3839	840003012522764						1
VATLAND LAYNE MORGANA 3591	USA 71207000						
VATLAND LITHIUM MABEL 3728	USA 71207137						
VATLAND LTHM MARIKA 3816-ET	USA 71207225						
VATLAND LTHM MISSY 3767-ET	USA 71207176						
VATLAND LTN MARCIA 4223-ET	840003126231447						
VATLAND LTN MARCY 4225-ET	840003126231449						
VATLAND LTN MARGO 4226-ET	840003126231450						
VATLAND LTN MIRANDA 4222-ET	840003126231446						
VATLAND MAGNUS MACY 3547-ET	USA 71206956						
VATLAND MAGNUS MARA 3549-ET	USA 71206958						
VATLAND MAGNUS MAY 3548-ET	USA 71206957						
VATLAND MATADOR MARIKA 4059	840003012522984					C	
VATLAND MCCUTCHEN LANA 3745	USA 71207154						
VATLAND MINT LEAF 4231-ET	840003126231455						
VATLAND MISS MARA 4247-ET	840003126231471						
VATLAND MISS MONTANA4242-ET	840003126231466						
VATLAND MNRL MONA 3708-ET	USA 71207117						
VATLAND MNRL MUSIC 3694-ET	USA 71207103						
VATLAND MNTRS MARIKA 4153	840003126231377						
VATLAND MNTRY MICHA 4213-ET	840003126231437						
VATLAND MNTRY MIKAN 4214-ET	840003126231438						
VATLAND MNTRY MIRRA 4212-ET	840003126231436						
VATLAND MOGUL MAKO 3689-ET	USA 71207098						
VATLAND MOGUL MIRA 3646-ET	USA 71207055						
VATLAND MOGUL MOCHA 3665-ET	USA 71207074						
VATLAND MOGUL MOLLY 3663-ET	USA 71207072						
VATLAND MOGUL MORAY 3669-ET	USA 71207078						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VATLAND MONTROSS MARIE 4159	840003126231383						
VATLAND NOMIN MILAN 4091-ET	840003012523016						
VATLAND OBSRVR MADY 3262-ET	USA 69937089						
VATLAND OBSV MOLLY 3267-ET	USA 69937094						
VATLAND OBSVR MAGGI 3265-ET	USA 69937092						
VATLAND OBSVR MARIA 3264-ET	USA 69937091						
VATLAND OBSVR MILLIE3269-ET	USA 69937096						
VATLAND PAUL MYSTIC 3705	USA 71207114						
VATLAND PEOTI MICA 3585	USA 71206994						
VATLAND PLANET ARIE 2846	USA 66521518						
VATLAND PLANET MIA 2833-ET	USA 66521505						
VATLAND PLATINUM RORY 3898	840003012522823					C	
VATLAND RACER MADGE 4160-ET	840003126231384						
VATLAND RDGS MALIBU4097-ET	840003012523022						
VATLAND RODG MYRHA 4034-ET	840003012522959						
VATLAND RODG MYSTIC 4031-ET	840003012522956						
VATLAND RODGER MAE 4039-ET	840003012522964						
VATLAND SHAK MANDY 4055-ET	840003012522980						
VATLAND SHMRK MAX 3410-ET	USA 69937237						
VATLAND SHRAC MARIA 3686-ET	USA 71207095						
VATLAND SILVER LILLY 4377	840003126231601						
VATLAND SMRK MARIEL 3394-ET	USA 69937221						
VATLAND SMRK MILANE 3392-ET	USA 69937219						
VATLAND SMRK MONICA 3395-ET	USA 69937222						
VATLAND SS MERCEDES 4218-ET	840003126231442						
VATLAND TANGO MACY 3984	840003012522909		C				
VATLAND TANGO MARIE 3973	840003012522898						
VATLAND TANGO MIA 3999	840003012522924						
VAZDALE 7H11283 LESLIE	840003013074682			C			
VAZDALE 7H11345 LARREN	840003012041426						
VAZDALE 7H11345 MALLA	840003012041405						
VAZDALE 7HO10784 CORA	USA 70558441			C			
VAZDALE 7HO9443 SHEA	840003010341040						
VAZDALE AJ LIANA	840003013075230						
VAZDALE CASHMAN ROSA-RED	USA 70488223						
VAZDALE CREEK LAKIN	840003010770342						
VAZDALE EZEKIEL JEAN	840003010770427	C					
VAZDALE EZEKIEL JOCELYNE	840003011576741						
VAZDALE EZEKIEL KHLOE	840003010770439						
VAZDALE EZEKIEL KYAISHA	840003012041349						
VAZDALE EZEKIEL MALLA	840003010770454						
VAZDALE EZEKIEL PAULINE	840003010770346						
VAZDALE FORK JOHANNA	840003013510934		C				
VAZDALE GOLD CHIP MAMBALISA	840003010770429						
VAZDALE JAMES HOLLEY	840003011576721						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VAZDALE KEVLAR LAURISSA	840003010770388						
VAZDALE LARIAT MELAYNA	840003010340689			C			
VAZDALE MOGUL NADIYAH	USA 72494390						
VAZDALE ORLANDO SAMIAH	840003010770318						
VAZDALE OSMOND NEVYNN	USA 71782200						
VAZDALE PRIZER FLOR	840003010340634						1
VAZDALE REAL-DEAL JAMILA	840003011576601						
VAZDALE REDLOU TATIANNA	840003012041546						
VAZDALE RICHMAN ANILYSA	840003010770464						
VAZDALE SPEARMINT ANDRIA	840003012325681						
VAZDALE SPEARMINT JERICA-TW	840003012325685					C	
VAZDALE SPEARMN BRITTINI-TW	840003012325684		C				
VAZDALE SUPERSIRE REMA	840003013510914						1
VAZDALE YANCE LANE	840003013074737						
VDS BRADNICK 34264	840003132221638						
VDS BRADNICK 34272	840003132221646						
VDS BRADNICK 34350	840003132221724						
VDS BRADNICK 34507-TW	840003132221881						
VDS BRADNICK 34525	840003132221899	C					
VDS BRADNICK 34547	840003132221921						
VDS BRADNICK 34609	840003132221983						
VDS BRADNICK 34623	840003132221997						
VDS BRADNICK 34660	840003132222034						
VDS BRADNICK 34694	840003132222068		C				
VDS FORK 34630	840003132222004						
VDS GUTHRIE 34108	840003132221482						
VDS GUTHRIE 34216	840003132221590						
VDS GUTHRIE 34254	840003132221628						
VDS GUTHRIE 34499	840003132221873	C					
VDS GUTHRIE 34511	840003132221885						
VDS GUTHRIE 34538	840003132221912						
VDS GUTHRIE 34617	840003132221991						
VDS GUTHRIE 34636	840003132222010						
VDS GUTHRIE 34677	840003132222051						
VDS HULK 34122	840003132221496						
VDS HULK 34210	840003132221584						
VDS HULK 34475	840003132221849					C	
VDS HULK 34622	840003132221996						
VDS MAYFIELD 34144	840003132221518					C	
VDS MCFLY 34664	840003132222038						
VDS MOREY 34114	840003132221488						3
VDS MOREY 34120	840003132221494						
VDS MOREY 34196	840003132221570						3
VDS MOREY 34227	840003132221601						
VEAZLAND AIRNET DOLLY-ET	USA 71123296						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VEAZLAND ALEXAND MIA-ET	USA 68539554						
VEAZLAND ALEXAND MILLY-ET	USA 68539553						1
VEAZLAND ALEXAND MONICA-ET	USA 68539558						1
VEAZLAND BAYONET MAZY	840003133392218						
VEAZLAND BCROWS SALLY	USA 73021304						
VEAZLAND BINKY MAHALA-ET	USA 64263108						
VEAZLAND CASSINO MANDRA-ET	USA 68539602						
VEAZLAND CELSIUS MEG-ET	USA 15792277						
VEAZLAND CLAW 2280	USA 71815526						
VEAZLAND COBRA COLLEEN	USA 71123261			C			
VEAZLAND DEFENDER MAGEN-TW	USA 73021314						
VEAZLAND DEFENDER MARY	USA 73021319						
VEAZLAND DEFENDER MEGAN-TW	USA 73021313						
VEAZLAND DREAMA CRI-ET	USA 71451973				C		
VEAZLAND ECOYNE DOLLY	USA 71815458				C		
VEAZLAND EMERY MOPSY-ET	USA 18055727						
VEAZLAND EPIC REGAN	USA 71815447						
VEAZLAND FORMATION MISSA-ET	USA 17346766	C					
VEAZLAND G W ATWOOD TELSA	USA 73985381						
VEAZLAND GC HOPE-ET	USA 73021253						
VEAZLAND GOLD CHIP MEG	USA 71123238						
VEAZLAND GOLD CHIP TIGGA	USA 71123285						
VEAZLAND HALOGEN DORI	USA 73021336						
VEAZLAND HALOGEN MADRID-ET	USA 73985349						
VEAZLAND HALOGEN MARIOT-ET	USA 73985341						
VEAZLAND HALOGEN MEDLY-ET	USA 73985393						
VEAZLAND HALOGEN MEG-ET	USA 73985337						
VEAZLAND HALOGEN MELINDA-ET	USA 73985390						
VEAZLAND HALOGEN MICA-ET	USA 73985335						
VEAZLAND HALOGEN MILLER-ET	USA 73021335						
VEAZLAND HALOGEN MOPSY-ET	USA 73985339						
VEAZLAND HALOGEN MORGAN-ET	USA 73985395						
VEAZLAND HRSHL MIST CRI-ET	USA 60475906						
VEAZLAND JEEVES DOLL	USA 66542778				C		
VEAZLAND KINGBOY MAHALA-ET	USA 73985479						
VEAZLAND KINGBOY MODEL-ET	USA 73985474						
VEAZLAND KRAMER DOLLY-ET	USA 71123240				C		
VEAZLAND KRAMER DOVE-ET	USA 71123244						
VEAZLAND LARGE MADDI	USA 71815457						
VEAZLAND LATIMER CALLIE	USA 72423978						
VEAZLAND LATIMER MAVIS	USA 72423979						
VEAZLAND LAUDEN MANDI-ET	USA 136797449						
VEAZLAND LEWIS MAKENZIE-ET	USA 70668131						
VEAZLAND LEWIS MAYO-ET	USA 71123222						
VEAZLAND LEWIS MICKI-ET	USA 70668134						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VEAZLAND LEWIS MINDY-ET	USA 70668136						
VEAZLAND LIQUID GOLD JEWEL	USA 73021328						
VEAZLAND LUKE DORISSA-ET	USA 15600293						
VEAZLAND MAC MONEY	USA 65334784						
VEAZLAND MACK MARISSA-ET	USA 73021257						3
VEAZLAND MACY CRI-ET	USA 70272992						
VEAZLAND MAHALA CRI-ET	USA 70272997						
VEAZLAND MARION CALLIE	USA 64263103						
VEAZLAND MILES MACKENZIE	USA 73985415						
VEAZLAND MILLION MANDI-ET	USA 68539561		C				
VEAZLAND MOGUL MADDIE	USA 71815484						
VEAZLAND MOGUL MARY	USA 71815483						
VEAZLAND MOONBOY RAVEN	USA 71815516	C		C			
VEAZLAND OAK CARA-TW	USA 73021300						
VEAZLAND OAK CORA-TW	USA 73021299						
VEAZLAND OAK MANDY-ET	USA 73021212						
VEAZLAND OBSERVER MARGO	USA 71123265						
VEAZLAND OBSERVER MISSA	USA 70668146						
VEAZLAND ONWARD MAE-ET	USA 66542745						
VEAZLAND ONWARD MAZY-ET	USA 66542769						
VEAZLAND ONWARD MEG-ET	USA 66542724						
VEAZLAND ONWARD MIMI-ET	USA 66542751						
VEAZLAND ONWARD MORGAN-ET	USA 66542722						
VEAZLAND OSMOND MARINA	USA 70668127						
VEAZLAND PRONTO ROXANNE	USA 65334777						
VEAZLAND S SIRE MORGAN	USA 72423982						
VEAZLAND SAM FARAH	USA 137017546						
VEAZLAND SAM HOLLY	USA 137328448						
VEAZLAND SHAKESPEAR MARA	USA 73021268						
VEAZLAND SHAKESPEAR MISSY	USA 73021261						
VEAZLAND SHAKESPEAR MONEY	USA 73021262						
VEAZLAND SHAMROCK MERRY	USA 71123284						
VEAZLAND SHAMROCK MILLY-ET	USA 71123218						
VEAZLAND SHANDRO DIME-TW	USA 72424007						
VEAZLAND SHANDRO DOLLAR-TW	USA 72424006						
VEAZLAND SHOTTLE MADILYN-ET	USA 136928971						
VEAZLAND SHOTTLE MARINA-ET	USA 136929002						
VEAZLAND SHOTTLE MELANIE-ET	USA 136929011						
VEAZLAND SPRING MAHALA	840003133392249						
VEAZLAND SUPER REGINA	USA 71123300						
VEAZLAND WILLPOWER MANDI	USA 73021224	C					
VEAZLAND YANO SARA	USA 71123270						
VEAZLAND-DC BOOKEM DEB-ET	USA 70668094			C			
VEAZLAND-DC DECEIVER DENVR	USA 73985362						
VEAZLAND-DC DENISE-ET	USA 70668126						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VEAZLAND-DC DESIRE-ET	USA 73021249						
VEAZLAND-DC GC RALLY-ET	USA 71123306						
VEAZLAND-DC KRUNCH DEANN-ET	USA 73021190			C			
VEAZLAND-DC KRUNCH DEE-ET	USA 73021188						
VEAZLAND-DC LARGE ROSE	USA 71815459						
VEAZLAND-DC MILLION RENI-ET	USA 68539563	C	C				
VEAZLAND-DC MOGUL RORI	840003133392250						
VEAZLAND-DC MOTEGA DEL-ET	840003133392260						
VEAZLAND-DC OAK DENA-ET	USA 73021199						
VEAZLAND-DC OAK DIAMOND-ET	USA 73021194						
VEAZLAND-DC SHAM DAWN-ET	USA 70668143			C			
VEAZLAND-DC SPRING DAWN-ET	840003133392231						
VEAZLAND-DC SPRING DEE-ET	840003133392230						
VEAZLAND-DC SPRING DICE-ET	840003133392235						
VEDDERLEA GOLDWYN ESTHER	CAN 9980632						3
VEEMAN-DAIRY AL SUZY	USA 68598444						
VEEMAN-DAIRY BUCKEYE SUZY	USA 63035668						
VEENHUIZER BLACK SPOT-ET	NLD 447956087						
VEENHUIZER MASCOL ROME	NLD 447955729						
VEENHUIZER ZADIA 20-ET	NLD 447956102	C					
VEKIS PAIGE	NLD 765205911						
VEKIS PHANTASTIC	NLD 534705095						
VEKIS XACO MELODY	NLD 891404389						
VELKOMMEN-VALLEY BAX LATTY	USA 141723077						
VELKOMMEN-VALLEY BOL JYE-ET	USA 139806649						
VELKOMMEN-VALLEY ELSIE	USA 138423557						1
VELKOMMEN-VALLEY JELLIE-ET	USA 141723125						
VELKOMMEN-VALLEY JEWELL	USA 129657833						
VELKOMMEN-VALLEY LUCKY JOSI	USA 140237182						
VELKOMMEN-VALLEY MADISON-ET	USA 73663904						
VELKOMMEN-VALLEY MINDY-ET	USA 73663905						
VELKOMMEN-VALLEY MONA-ET	USA 73663908						
VELKOMMEN-VALLEY MORGAN-ET	USA 73663903						
VELKOMMEN-VALLEY MYLA-ET	USA 73663902						
VELTHUIS ALEXANDER ALLIE	CAN 9969529						1
VELTHUIS B SROCK ALIVIA-ET	CAN 11602964						
VELTHUIS BOLTON SHAKIRA-ET	CAN 8956416						
VELTHUIS BOOKEEPER ANNIE-ET	USA 142974579						
VELTHUIS BRUNO LORELLE-ET	CAN 11026770						
VELTHUIS DOORMAN FAITH-ET	USA 143084112					C	
VELTHUIS DOORMN FRECKLES-ET	USA 143084103					C	
VELTHUIS EDNA-ET	USA 142974560						
VELTHUIS GOLDEN ALICE-ET	CAN 11167924						
VELTHUIS LAURALEE-ET	CAN 10842709					C	
VELTHUIS LOU SOFIA-ET	CAN 8956398						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VELTHUIS LOU SOLACE-ET	CAN 8956392						
VELTHUIS PLANET ALBANY-ET	CAN 9969515						
VELTHUIS PLANET LIA-ET	CAN 9969527					C	
VELTHUIS PLANET LIZZY-ET	CAN 9969513						
VELTHUIS R SNOWMAN DEBUTANT-ET	CAN 11426906			C			
VELTHUIS R SNOWMAN DELUXE-ET	CAN 11426896			C			
VELTHUIS R SNOWMAN DESIRE-ET	CAN 11426904						
VELTHUIS R SUPERSONIC DESIG-ET	CAN 11426932						
VELTHUIS R WINDB DESTINED-ET	CAN 11426921						
VELTHUIS S G MOM ABBIE-ET	CAN 11026710						
VELTHUIS S G SNOW EVENING-ETS	CAN 11294760						
VELTHUIS SG ANCHR ESTHER-ET	USA 142857382						
VELTHUIS SG LAVAMAN ENVY-ET	CAN 11426877						1
VELTHUIS SG LAVAMAN EVA-ET	CAN 11426879						1
VELTHUIS SG LAVAMAN EVASIVE-ET	CAN 11426881						
VELTHUIS SG MOM ALESIA-ET	CAN 11026708						
VELTHUIS SG MOM ALICE-ET	CAN 11026684						
VELTHUIS SG MOM ALICIA-ET	CAN 11026685						
VELTHUIS SG MRDIAN AZURE-ET	USA 142933196						
VELTHUIS SG SNOW ALL FANCY-ET	CAN 11294755			C			
VELTHUIS SG SNOW EVENT-ETS	CAN 11294759						
VELTHUIS SG SNOW FOR EVER	CAN 11294762						
VELTHUIS SG SNOW LIVING	CAN 11294756					C	
VELTHUIS SG SNOWMAN LILYANN-ET	CAN 11294724						
VELTHUIS SHACKELTON LIETTE	CAN 11294810						
VELTHUIS SHOTTLE ALBEE-ET	CAN 9969491						
VELTHUIS SNOWMAN ELAINE-ET	CAN 8987717			C			
VELTHUIS SNOWMAN LORETTE-ETS	CAN 11294716			C			
VELTHUIS SUPERSONIC ALYSSA-ET	CAN 11426929						
VELVET-VIEW 5053 SAMOA-ET	USA 137527575						
VELVET-VIEW BOLIVER JEMIMA	USA 64858444						
VELVET-VIEW BOLIVER REBECCA	USA 64858445						
VELVET-VIEW CAIRO RITZY	USA 71758666					C	
VELVET-VIEW DE-MAE	USA 72401078						
VELVET-VIEW DECORATION	USA 66187479						
VELVET-VIEW RAQUEL CRI-ET	USA 64541795						
VELVET-VIEW REGINA 4748-ET	USA 65830564						
VELVET-VIEW ROCKIN RIBBONS	USA 64858448	C					
VELVET-VIEW ROLL-TW	USA 62555116						
VELVET-VIEW VIXEN	USA 72401076						
VELVET-VIEW-KJ SAHARA-ET	USA 133126026						
VELVET-VIEW-KJ SARINA-ET	USA 133126035						
VEN DAIRY BREESHIA	NLD 530633374					C	
VENDAIRY BREESH-ET	NLD 494931062					C	
VENDAIRY BREESHIA	NLD 730435507						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VENDAIRY PIETJE	NLD 482630210				C		
VENDAIRY WILLIE 2	NLD 524932443						
VENEDIG-RED-ET	DEU 349747184						
VENERIETE DELTA IETJE	NLD 742044795						
VENERIETE EPIC IDA 66	NLD 936884703						
VENERIETE NIAGRA IDA 31	NLD 737950247						
VENERIETE SHOTTLE IDA 6	NLD 477447782						
VENERIETE TWISTER IDA 18	NLD 494649211			C			
VENTUE GOLDWYN SOUP P	CAN 10869906						1
VENTUR-OHMI MORTY 4792-ET	USA 61608027						
VENTURE ALCHEMY PROXIMITY P-ET	CAN 11533367						
VENTURE BOOKEM MAGICIAN P-ET	CAN 11107988						
VENTURE EPIC PATIENCE P-ET	CAN 11533369						
VENTURE EPIC PECAN P-ET	CAN 11567159						
VENTURE EPIC SCARLET P-ET	CAN 11567164						
VENTURE LADD MADAME P-RED	CAN 11567173						1
VENTURE MILLION MYSTERY-ET	CAN 10869907						
VENTURE SHAMROCK MEMORY P-ET	CAN 11107987						1
VENTURE SHAMROCK METTA P	CAN 11107992						
VENTURE SNOW MUSE P-ET	CAN 11107981			C			
VENTURE SNOWMAN MOOLA P-ET	CAN 11651280						
VENTURE UNO SUITS P-ET	CAN 11567172						1
VENTURE-VALLEY NICOL PAWS	USA 70667801						
VER-DANA 1032	USA 57392047	C					
VER-DANA BERLAGE LARABEE	840003134165265						
VER-DANA BRONCO MEASLES	USA 142102512			C			
VER-DANA BRONCO POLIO	USA 142100453			C		C	
VER-DANA CROWN BUDGIE	840003134165268						
VER-DANA ERNESTO BOXSTER	USA 142668412						
VER-DANA ERNESTO ESCAPE	USA 142668449						
VER-DANA EXGLEN EUREKA	USA 141509594						
VER-DANA HERO BUICK	USA 142668403					C	
VER-DANA HESSEL BOBWHITE	840003134165267						
VER-DANA LINGER BLACKBIRD	840003134165273						
VER-DANA MAN BUMPS	USA 142100387						
VER-DANA MAN LUPUS	USA 142100396						
VER-DANA MAN WART	USA 142100444						
VER-DANA PETRONE BENTLEY	USA 142668458						
VER-DANA PETRONE TOYOTA	USA 142668421					C	
VER-DANA POLLED LUCKY	USA 141509606						
VER-DANA PRONTO IYY	USA 142100462						
VER-DANA SPDR BRANDY	USA 142100378						
VER-DANA VI BESSIE	USA 141509624						
VER-HAGES BOOTPEG LAROSA-ET	USA 136215905						
VER-HAGES CINNAMON-RED-TW	840003007816049						1

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VER-HAGES CRACKLE	840003007816068						
VER-HAGES CRIMSON P-RED-TW	840003007816050						
VER-HAGES CRYSTAL CRI-ET	USA 68767205						
VER-HAGES CUTIE-P	840003007816054						
VER-HAGES CZ SHAN CHIP-P-ET	USA 72833831						
VER-HAGES CZ SHAN TORY-P-ET	USA 72833830						
VER-HAGES DAIQUIRI-RED-ET	840003011252258						1
VER-HAGES DW SHAYLYNN-ET	840003011252337						4
VER-HAGES DW SUGAR-ET	840003011252327						
VER-HAGES DW SUKI-ET	840003011252326						
VER-HAGES DW SUSHI-ET	840003011167517						
VER-HAGES ELLIE-P-ET	840003011167520						
VER-HAGES ELLISSA-P-ET	840003011167523						
VER-HAGES EMELIA-P-ET	840003011252335						
VER-HAGES EMMA	840003007816070						
VER-HAGES JV GILDA-ET	840003004385465						1
VER-HAGES JV GRACE-ET	840003004385460						
VER-HAGES KV RUBY-P-RED	840003007816077						
VER-HAGES LD HOKIA-ET	840003004385569						3
VER-HAGES LD SACHA-RED-ET	840003004385483						
VER-HAGES LD SACHIE-RED-ET	840003004385601						
VER-HAGES LD SANGRIA	840003004385614						
VER-HAGES LOU ROSEBUD	USA 139170199						
VER-HAGES PLASHETT	840003004385449						
VER-HAGES RESOLUTE P	840003011252325		C				1
VER-HAGES ROSEBUD	840003001030967						
VER-HAGES SABLE DAMRAK-ET	840003011252262						1
VER-HAGES SD FABULOUS	840003011252336						
VER-HAGES SHANTELLE-ET	840003007816074						3
VER-HAGES SHARLA	840003007816127						3
VER-HAGES SHAWN DREAMER	840003007816017						
VER-HAGES SHAYLA 1040-ET	840003007816040		C				4
VER-HAGES SHIKA	840003011252349						
VER-HAGES SHIMMER-ET	840003011252346						
VER-HAGES SHOWBIZ-ET	840003007816080						
VER-HAGES SHOWCASE-ET	840003007816075						
VER-HAGES SHOWDOWN ROGUE	840003011167501						
VER-HAGES SHOWOFF-RED	840003011252339						1
VER-HAGES SHYLA 1041-ET	840003007816041		C				
VER-HAGES SS CRACKERS P	840003011252256						
VER-HAGES SUPER NIAGARA-ET	840003010631981						
VER-HAGES SWEET P-RED-ET	840003011252340						1
VER-HAGES TNT CACHET	840003007816062						
VER-HAGES TNT LAYNA-ET	840003011167505						
VER-HAGES TNT LONA-ET	840003011167504						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VER-HAGES TNT MOLLY-ET	840003011167510						
VER-HAGES TNT MONARCH-ET	840003007816096						
VER-HAGES TNT MONONA-ET	USA 142106525						
VER-HAGES TNT MONTEGO-ET	840003007816095						
VER-HAGES TNT MORGAN-ET	840003011167509						
VER-HAGES TNT RUSH-P-RED-ET	840003011252324						
VER-HAGES TNT RUSHED-P-ET	840003011252329						
VER-HAGES TNT SABLE-ET	840003007816043						
VER-HAGES TNT SNAPPLE-ET	840003007816048						
VER-HAGES TNT SODA-RED-ET	840003007816046		C				
VER-HAGES TNT SPICE-RED-ET	840003007816045						
VER-HAGES TNT SYRACUSE-ET	840003007816027						
VER-HAGES TT PITA-P-RED-ET	840003011252341						1
VER-HAGES TT SALSA-RED-ET	840003011252344						1
VER-HAGES TT SMART-P-RED-ET	840003011252334						
VER-HAGES TT SMORE-P-RED-ET	840003011252333						
VER-HAGES TT SMURF-P-RED-ET	840003011252332						
VER-HAGES TWIXT-RED-ET	840003007816039						1
VER-HAGES VHC LDP CC-RED-ET	840003011181663						
VER-HAGES VV GOGO RAE-ET	840003004385561						
VER-HAGES VV GOGO RAZZ-ET	840003004385560						1
VER-HAGES VV HARMONY-RED-ET	840003004385579						1
VER-HAGES VV MACHEL-ET	840003004385615						
VER-HAGES VV NICOLETTE-ET	840003004385580						
VER-HAGES VV NIKITA-ET	840003004385582						
VER-HAGES VV PETALS-RED-ET	840003004385567						
VER-HAGES VV PEYTON-ET	840003004385568			C			
VER-HAGES VV SASCHAE-RED-ET	840003004385581						
VER-HAGES VV SASHANA-ET	840003004385597						
VER-HAGES VV SASHIRA-RED-ET	840003004385598						
VER-HAGES VV SCOOPY-RED-ET	840003004385611						
VER-HAGES Z SHANELLE-ET	840003007816010		C				3
VER-HAGES ZINNIA-P	840003007816053						
VER-HAGES ZV CRESSENT-ET	840003011167514						1
VER-HAGES ZV CRESSIE-ET	840003007816003						
VER-MAINE TOYSTORY LADY	USA 138240176						
VER-NAN EQUATION TWIRL	USA 71068212						
VER-NAN MAC MEL	USA 65864373						
VER-NAN MASSY ROLSROYC	USA 71068151						
VER-NAN MAYFIELD RIMMEY-ET	USA 71068146						
VER-NAN MAYFIELD ROZANNA-ET	USA 71068143						
VER-NAN MONTROSS RACHELLE	USA 71068214						
VER-NAN MONTROSS RUTH	USA 71068216						
VER-NAN SID VISTA	USA 71068229						1
VER-NAN WINDBRK LEANN	USA 71068111					C	1

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERACITY RYKER BRINA	840003134598534			C			
VERHAGES CANDLELIGHT P-RED-ET	DEU 663531490						
VERMEHLIA APPLETINI-RED-ET	USA 72292925						1
VERMEHLIA AUTUMN-RED-ET	USA 72292923						
VERMEHLIA JO DEE-ET	840003128138747						
VERMEHLIA JS DABBY-ET	840003128138749						
VERMEHLIA JS DEONDRA-ET	840003128138754						
VERMEHLIA RB AZARA-RED-ET	USA 72292924		C				1
VERMEHLIA REDBURST AYO	USA 72323468						1
VERMEHLIA SD ADELE-RED-ET	USA 142294262						1
VERMEHLIA SHES GOT DA P-ET	USA 73763448						
VERMEHLIA SOB DRIZZLE P-ET	USA 73763449						
VERN-MONT ABRAHAM 6873	USA 69944379						3
VERN-MONT ABRAHAM 6884	USA 69944390						
VERN-MONT ABRAHAM 6894	USA 69944400						
VERN-MONT AGOSTO 7012	USA 72008258						
VERN-MONT AGOSTO 7026	USA 72008272						
VERN-MONT AGOSTO 7027	USA 72008273						
VERN-MONT AGOSTO 7032	USA 72008278						
VERN-MONT AIRNET 6909	USA 69944415			C			
VERN-MONT ANTRIM 7136	USA 72008382						
VERN-MONT ANTRIM 7142	USA 72008388						
VERN-MONT ANTRIM 7161	USA 72008407					C	
VERN-MONT ANTRIM 7208	USA 72008454						
VERN-MONT ANTRIM 7262	USA 72008508						
VERN-MONT ANTRIM 7278	USA 72008524						
VERN-MONT APPLAUSE 7134	USA 72008380						
VERN-MONT APPLAUSE 7137	USA 72008383						
VERN-MONT ARMANI 7451	USA 72008697						
VERN-MONT BALLACK 6712	USA 69944218						
VERN-MONT BARNEY 7139	USA 72008385						
VERN-MONT BARNEY 7140	USA 72008386						
VERN-MONT BARNEY 7154	USA 72008400						
VERN-MONT BARNEY 7169	USA 72008415						
VERN-MONT BOLO 6752	USA 69944258						
VERN-MONT BOOKEM 6630	USA 69944136						
VERN-MONT BOOKEM 6660	USA 69944166						
VERN-MONT BOOKEM 6672	USA 69944178						
VERN-MONT BOOKEM 6673	USA 69944179						
VERN-MONT BOOKEM 6677	USA 69944183						
VERN-MONT BOOKEM 6754	USA 69944260		C				
VERN-MONT BOWIE 7117	USA 72008363						
VERN-MONT BOWSER 6644	USA 69944150						
VERN-MONT BOXER 6425	USA 66741848						
VERN-MONT BUD 6866	USA 69944372						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT BUD 6943	USA 69944449						
VERN-MONT CABRIOLET 7210	USA 72008456						
VERN-MONT CABRIOLET 7216	USA 72008462						
VERN-MONT CABRIOLET 7217	USA 72008463						
VERN-MONT CABRIOLET 7219	USA 72008465						
VERN-MONT CABRIOLET 7274	USA 72008520						
VERN-MONT CABRIOLET 7276	USA 72008522						
VERN-MONT CABRIOLET 7284	USA 72008530						
VERN-MONT CABRIOLET 7351	USA 72008597	C					
VERN-MONT CASHCOIN 7271	USA 72008517						1
VERN-MONT CHAIRMAN 6493	USA 66741916						1
VERN-MONT CHEX 6347	USA 66741770						
VERN-MONT COBRA 6732	USA 69944238						
VERN-MONT COBRA 6733	USA 69944239			C			
VERN-MONT COBRA 6734	USA 69944240			C			
VERN-MONT COBRA 6799	USA 69944305			C			
VERN-MONT CYPRUS 6501	USA 69944007						
VERN-MONT DAKKER 7108	USA 72008354						
VERN-MONT DANGER 6638	USA 69944144						
VERN-MONT DEAN 7061	USA 72008307						
VERN-MONT DEHLIA 2897	840003010651644						
VERN-MONT DENIM 6899	USA 69944405						
VERN-MONT DENIM 6928	USA 69944434						
VERN-MONT DENIM 6964	USA 69944470						
VERN-MONT DENIM 6966	USA 69944472						
VERN-MONT DENIM 7114	USA 72008360						
VERN-MONT DENIM 7116	USA 72008362						
VERN-MONT DENIM 7150	USA 72008396						
VERN-MONT DENIM 7255	USA 72008501						
VERN-MONT DENIM 7275	USA 72008521						
VERN-MONT DIE-CAST 6477	USA 66741900						
VERN-MONT DIGGER 6491	USA 66741914						3
VERN-MONT DIGGER 6544	USA 69944050						
VERN-MONT DIGGER 6599	USA 69944105						
VERN-MONT DISCUS 6829	USA 69944335	C					
VERN-MONT DOM 6526	USA 69944032						
VERN-MONT DOM 6666	USA 69944172						
VERN-MONT DOM 6668	USA 69944174						
VERN-MONT DOZER 7109	USA 72008355						
VERN-MONT DOZER 7110	USA 72008356						
VERN-MONT EDWARD 6439	USA 66741862						
VERN-MONT EDWARD 6508	USA 69944014						
VERN-MONT EDWARD 6617	USA 69944123						
VERN-MONT ELECTION 7202	USA 72008448						
VERN-MONT ELECTION 7229	USA 72008475						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT ELECTION 7234	USA 72008480						
VERN-MONT EMBASSY 7449	USA 72008695						
VERN-MONT EMBASSY 7456	USA 72008702						
VERN-MONT EMILE 7424	USA 72008670						
VERN-MONT ERDMAN 6771	USA 69944277						
VERN-MONT ERDMAN 6772	USA 69944278					C	
VERN-MONT ERDMAN 6778	USA 69944284						
VERN-MONT ERDMAN 6802	USA 69944308						
VERN-MONT ERDMAN 6803	USA 69944309						
VERN-MONT ERDMAN 6804	USA 69944310						
VERN-MONT ERDMAN 6826	USA 69944332			C			
VERN-MONT ERDMAN 6851	USA 69944357						
VERN-MONT ERDMAN 6880	USA 69944386						
VERN-MONT EVEREST 7188	USA 72008434						
VERN-MONT EVEREST 7200	USA 72008446						
VERN-MONT EXCEL 6770	USA 69944276						
VERN-MONT EXCEL 6864	USA 69944370						
VERN-MONT FANTA 6678	USA 69944184						
VERN-MONT FANTA 6679	USA 69944185						
VERN-MONT FANTA 6713	USA 69944219						
VERN-MONT FEEDBACK 7260	USA 72008506						
VERN-MONT FLYN 7367	USA 72008613						
VERN-MONT FREDDIE 6259	USA 66741682						
VERN-MONT FREDDIE 6289	USA 66741712			C			3
VERN-MONT FREDDIE 6513	USA 69944019						
VERN-MONT FREDDIE 6516	USA 69944022						
VERN-MONT FREDDIE 6570	USA 69944076						
VERN-MONT FREDDIE 6692	USA 69944198						
VERN-MONT FREDDIE 6729	USA 69944235						
VERN-MONT FREDDIE 6749	USA 69944255						
VERN-MONT FREDDIE 6768	USA 69944274						
VERN-MONT FREDDIE 6843	USA 69944349						
VERN-MONT GALLON 6583	USA 69944089						
VERN-MONT GALLON 6636	USA 69944142			C			
VERN-MONT GENOMICPRO 60414	840003010364161						
VERN-MONT GENOMICPRO 60446	840003010364193						
VERN-MONT GENOMICPRO 60466	840003010364213						
VERN-MONT HALOGEN 7523	USA 74058286						
VERN-MONT HALOGEN 7530	USA 74058293						
VERN-MONT IMAGINE 6568	USA 69944074						
VERN-MONT JACKMAN 7243	USA 72008489			C			
VERN-MONT JACKMAN 7246	USA 72008492			C			
VERN-MONT JADE 6957	USA 69944463						
VERN-MONT JADE 6960	USA 69944466						
VERN-MONT JADE 7018	USA 72008264						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT JETTIE 6601	USA 69944107			C			
VERN-MONT JETTIE 6607	USA 69944113						
VERN-MONT JIVES 6691	USA 69944197						
VERN-MONT JIVES 6760	USA 69944266						
VERN-MONT JIVES 6967	USA 69944473						
VERN-MONT JOHNSON 7235	USA 72008481			C			
VERN-MONT JOSIAH 7193	USA 72008439			C			
VERN-MONT JOSIAH 7205	USA 72008451						
VERN-MONT JUDAH 7423-TW	USA 72008669						
VERN-MONT KRAMER 6827	USA 69944333						
VERN-MONT KRUNCH 7144	USA 72008390						
VERN-MONT LA-BRON 7466	USA 72008712						
VERN-MONT LAYNE 6978	USA 69944484						
VERN-MONT LAYNE 7148	USA 72008394						
VERN-MONT LAYNE 7203	USA 72008449						
VERN-MONT LAYNE 7270	USA 72008516						
VERN-MONT LINCOLN 6917	USA 69944423						
VERN-MONT LINCOLN 6989	USA 69944495					C	
VERN-MONT LITHIUM 7168	USA 72008414			C			
VERN-MONT LITHIUM 7176	USA 72008422						
VERN-MONT LITHIUM 7197	USA 72008443						
VERN-MONT MARIAN 6726	USA 69944232						
VERN-MONT MARIAN 6794	USA 69944300						
VERN-MONT MARIAN 6800	USA 69944306						
VERN-MONT MASSEY 6490	USA 66741913						
VERN-MONT METEOR 6704	USA 69944210						
VERN-MONT MIDNIGHT 7462	USA 72008708						
VERN-MONT MINOS 6637	USA 69944143						
VERN-MONT MODEL 7122	USA 72008368						
VERN-MONT MORGAN 7181	USA 72008427					C	
VERN-MONT MORGAN 7182	USA 72008428						
VERN-MONT MORGAN 7230	USA 72008476					C	
VERN-MONT MOTTO 6265	USA 66741688					C	
VERN-MONT MUTINY 6779	USA 69944285						
VERN-MONT MUTINY 6781	USA 69944287						
VERN-MONT NETWORKTH 6560	USA 69944066						
VERN-MONT NETWORKTH 6611	USA 69944117						
VERN-MONT NETWORKTH 6683	USA 69944189						
VERN-MONT NETWORKTH 6684	USA 69944190						
VERN-MONT NETWORKTH 6698	USA 69944204						
VERN-MONT NETWORKTH 6757	USA 69944263						
VERN-MONT NIFTY 6334	USA 66741757						
VERN-MONT OBSERVER 6575	USA 69944081					C	
VERN-MONT OBSERVER 6584	USA 69944090						
VERN-MONT OBSERVER 6624	USA 69944130						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT OBSERVER 6685	USA 69944191						
VERN-MONT OBSERVER 6688	USA 69944194						
VERN-MONT OBSERVER 6690	USA 69944196			C			
VERN-MONT OBSERVER 6731	USA 69944237						
VERN-MONT OBSERVER 6740	USA 69944246						3
VERN-MONT OBSERVER 6743	USA 69944249						
VERN-MONT OBSERVER 6746	USA 69944252						
VERN-MONT OBSERVER 6790	USA 69944296						
VERN-MONT OBSERVER 6796	USA 69944302						
VERN-MONT OBSERVER 6820	USA 69944326						
VERN-MONT OBSERVER 6836	USA 69944342						
VERN-MONT OBSERVER 6850	USA 69944356						
VERN-MONT OFFIE 7121	USA 72008367		C				
VERN-MONT OSMOND 6495	USA 66741918						
VERN-MONT OSMOND 6562	USA 69944068						
VERN-MONT OSMOND 6642	USA 69944148						
VERN-MONT OSMOND 6687	USA 69944193						
VERN-MONT OTIS 7147	USA 72008393						
VERN-MONT OTIS 7171	USA 72008417						
VERN-MONT OTIS 7231	USA 72008477						
VERN-MONT OTIS 7253	USA 72008499						
VERN-MONT PARISH 7054	USA 72008300						
VERN-MONT PARKER 6515	USA 69944021						
VERN-MONT PATENT 7145	USA 72008391						
VERN-MONT PATENT 7146	USA 72008392						
VERN-MONT PAUL 6569	USA 69944075						
VERN-MONT PAUL 6587	USA 69944093						
VERN-MONT PAUL 6602	USA 69944108			C			
VERN-MONT PAUL 6649	USA 69944155			C			
VERN-MONT PEMBROKE 6207	USA 66741630						
VERN-MONT PERRY 6916	USA 69944422						
VERN-MONT PERRY 6994	USA 69944500						
VERN-MONT PETRONE 6956	USA 69944462						
VERN-MONT PETRONE 6969	USA 69944475						
VERN-MONT PETRONE 6990	USA 69944496						
VERN-MONT PETRONE 6993	USA 69944499						
VERN-MONT PETRONE 7006	USA 72008252			C			
VERN-MONT PETRONE 7013	USA 72008259						
VERN-MONT PETRONE 7015	USA 72008261						
VERN-MONT PETRONE 7048	USA 72008294					C	
VERN-MONT PETRONE 7131	USA 72008377						
VERN-MONT PETRONE 7132	USA 72008378			C			3
VERN-MONT PETRONE 7156	USA 72008402						
VERN-MONT PETRONE 7157	USA 72008403						
VERN-MONT PETRONE 7179	USA 72008425						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT PETRONE 7180	USA 72008426						
VERN-MONT PETRONE 7211	USA 72008457						
VERN-MONT PETRONE 7218	USA 72008464						
VERN-MONT PETRONE 7285	USA 72008531						
VERN-MONT PLAN 6555	USA 69944061						
VERN-MONT PLAN 6557	USA 69944063						
VERN-MONT PLAN 6595	USA 69944101						
VERN-MONT PLAN 6600	USA 69944106						
VERN-MONT PLAN 6606	USA 69944112	C					
VERN-MONT PLAN 6616	USA 69944122						
VERN-MONT PLAN 6632	USA 69944138						
VERN-MONT PLANET 6986	USA 69944492						
VERN-MONT PLANET 6991	USA 69944497						
VERN-MONT PONDER 60325	840003010364072						
VERN-MONT PONDER 61415	840003010365162						
VERN-MONT PONDER 7499	USA 72008745						
VERN-MONT PRECINCT 7115	USA 72008361						
VERN-MONT PRECINCT 7119	USA 72008365						
VERN-MONT PRECINCT 7120	USA 72008366						
VERN-MONT PREDESTINE 7359	USA 72008605						3
VERN-MONT PREDESTINE 7445	USA 72008691						3
VERN-MONT PREMIUM 6671	USA 69944177						
VERN-MONT PREMIUM 6748	USA 69944254						
VERN-MONT PREMIUM 6773	USA 69944279						
VERN-MONT PREMIUM 6914	USA 69944420						
VERN-MONT RANSOM 7237	USA 72008483						
VERN-MONT RAZOR 6281	USA 66741704						
VERN-MONT RAZZLE 7248	USA 72008494						
VERN-MONT RAZZLE 7272	USA 72008518						
VERN-MONT REEVES 6741	USA 69944247						
VERN-MONT REWARD 7166	USA 72008412						
VERN-MONT REWARD 7185	USA 72008431						
VERN-MONT REWARD 7198	USA 72008444						
VERN-MONT ROCCO 7461	USA 72008707						
VERN-MONT RODGERS 7450	USA 72008696						
VERN-MONT SALEEN 7177	USA 72008423						
VERN-MONT SALEEN 7183	USA 72008429						
VERN-MONT SALVADOR 7192	USA 72008438						
VERN-MONT SAMOA 6808	USA 69944314						
VERN-MONT SAMOA 6814	USA 69944320						
VERN-MONT SAMOA 6824	USA 69944330			C			
VERN-MONT SAMOA 6839	USA 69944345			C			
VERN-MONT SAMOA 6913	USA 69944419			C			
VERN-MONT SAMOA 6997	USA 69944503						
VERN-MONT SAMOA 7052	USA 72008298						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT SHAMROCK 6861	USA 69944367						
VERN-MONT SHAMROCK 6882	USA 69944388						
VERN-MONT SHAMROCK 6922	USA 69944428						
VERN-MONT SHAMROCK 6933	USA 69944439						
VERN-MONT SKYLINE 7364	USA 72008610						
VERN-MONT SOTO 6522	USA 69944028						
VERN-MONT STACKED 7178	USA 72008424			C			
VERN-MONT STACKED 7187	USA 72008433			C			
VERN-MONT STACKED 7263	USA 72008509						
VERN-MONT STACKED 7283	USA 72008529						
VERN-MONT STACKED 7286	USA 72008532			C			
VERN-MONT STEPONE 6260	USA 66741683			C			
VERN-MONT STEWART 6971	USA 69944477			C			
VERN-MONT STEWART 7030	USA 72008276						
VERN-MONT STOKES 6657	USA 69944163			C			
VERN-MONT SUPER 6243	USA 66741666						
VERN-MONT SUPERFLY 7004	USA 72008250						
VERN-MONT SUPERSIRE 7194	USA 72008440						
VERN-MONT SUPERSIRE 7201	USA 72008447						
VERN-MONT SUPERSIRE 7221	USA 72008467						
VERN-MONT SUPERSIRE 7225	USA 72008471						
VERN-MONT SUPERSIRE 7228	USA 72008474						
VERN-MONT SUPERSIRE 7258	USA 72008504						
VERN-MONT SUPERSIRE 7365	USA 72008611						
VERN-MONT SUPERSIRE 7370	USA 72008616						
VERN-MONT SUPLEX 7153	USA 72008399						
VERN-MONT SUPLEX 7220	USA 72008466						
VERN-MONT SUPLEX 7294-TW	USA 72008540						
VERN-MONT TEMPO 6532	USA 69944038						
VERN-MONT TERRA 7267	USA 72008513						
VERN-MONT TONIC 6571	USA 69944077			C			
VERN-MONT TONIC 6592	USA 69944098						
VERN-MONT TONIC 6645	USA 69944151			C			
VERN-MONT TORNADO 6579	USA 69944085						
VERN-MONT TORNADO 6603	USA 69944109						
VERN-MONT TORNADO 6710	USA 69944216						
VERN-MONT TORNADO 6751	USA 69944257						
VERN-MONT TREASURE 6703	USA 69944209						
VERN-MONT TREASURE 6725	USA 69944231						
VERN-MONT TREASURE 6774	USA 69944280						
VERN-MONT TREASURE 6789	USA 69944295						
VERN-MONT TRUMPET 6500	USA 66741923						
VERN-MONT TRUMPET 6585	USA 69944091						
VERN-MONT TRUMPET 6715	USA 69944221						
VERN-MONT TUCK 6811	USA 69944317						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VERN-MONT TUCK 6818	USA 69944324						
VERN-MONT TUCK 6823	USA 69944329						
VERN-MONT TUCK 6876	USA 69944382						
VERN-MONT TUCK 6877	USA 69944383						
VERN-MONT TWIST 6239	USA 66741662						
VERN-MONT TWIST 6241	USA 66741664					C	
VERN-MONT TWIST 6941	USA 69944447						
VERN-MONT TYSON 6973	USA 69944479						
VERN-MONT VAL 7127	USA 72008373			C			
VERN-MONT VAL 7138	USA 72008384						
VERN-MONT VITTEK 6925	USA 69944431						
VERN-MONT VITTEK 6992	USA 69944498						
VERN-MONT VMF5684 6618	USA 69944124						
VERN-MONT VMF5948 6665	USA 69944171		C				3
VERN-MONT WISEMAN 7366	USA 72008612						
VERN-MONT YANO 6735	USA 69944241						
VERN-MONT YANO 6840	USA 69944346						
VERN-MONT YANO 6860	USA 69944366						
VERN-MONT YANO 6862	USA 69944368						
VERN-MONT YANO 6939	USA 69944445						
VERN-MONT YANO 6942	USA 69944448						
VERN-MONT YANO 7058	USA 72008304						
VERN-MONT YANO 7196	USA 72008442						
VERO ANNE 35	NLD 472818154			C			
VERO PAULA 1	NLD 526819434						
VETNDAIRY BAMA DIXIE-RED-ET	840003008077860						
VETNDAIRY CHILIS ART CHYNA	USA 72614492						
VETNDAIRY DELS CAMIRA 278	840003008077878						
VETNDAIRY DIST DAPHNE-ET	USA 72614505						
VETNDAIRY DIST DELFT-ET	USA 72614504						
VETNDAIRY DIST DELORES-ET	840003008077827						
VETNDAIRY DIST DREAM-ET	840003008077922						
VETNDAIRY ERSR MARGO 272-ET	840003008077872						
VETNDAIRY FAB MIA-ET	USA 72614575						
VETNDAIRY H COLOMBIA 273-ET	840003008077873						
VETNDAIRY HERO CHILE 270-ET	840003008077870						
VETNDAIRY JACEY JANEL-ET	840003008077934						
VETNDAIRY JACEY PIRATE-ET	840003008077985						
VETNDAIRY KRUNCH MIMI-ET	USA 72614487						
VETNDAIRY KRUNCH MISSY-ET	USA 72614488						
VETNDAIRY LADD BLOSSOM-P	USA 72614482						
VETNDAIRY MIMI HAZEL-ET	840003008077835						
VETNDAIRY MLS MICKEY 262-ET	840003008077862					C	
VETNDAIRY MOGUL LILY-ET	USA 72614484						
VETNDAIRY MOVIERUSH IRMA-ET	840003008077945						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VETNDAIRY MOVR ICECREAM-ET	USA 72614506						
VETNDAIRY MOVR INGRID-ET	USA 72614547						
VETNDAIRY MOVR IZZY-ET	USA 72614503						
VETNDAIRY MOVR RAINY-ET	USA 72614546						
VETNDAIRY MOVR RALLY-ET	USA 72614544						
VETNDAIRY PT MUG MO 6861-ET	840003132116713						
VETNDAIRY RDGERS KATRINA-ET	840003008077937						
VETNDAIRY RELIEF PLUM-P	840003008077831						
VETNDAIRY RELIEF RACER-ET	USA 72614493						
VETNDAIRY RELIEF RELIEF-ET	USA 72614495						
VETNDAIRY RELIEF REY-ET	USA 73212662						
VETNDAIRY RELIEF ROSARIO-ET	USA 72614498						
VETNDAIRY RELIEF ROSSY-ET	USA 72614494						
VETNDAIRY RELIEF RUSTY-ET	USA 72614543						
VETNDAIRY RODGERS KARINA-ET	840003008077976						
VETNDAIRY SOC MILLIE 271	840003008077871						
VETNDAIRY SOC WHOPPER 275 P	840003008077875						
VETNDAIRY WINDSOR MAUD	840003008077825						
VG-APPL SHOTLE CONNIE-ET	USA 137785827	C					
VI-VIEW CHAMPION MARCIA	USA 62313327						
VIADUCT ADVENT GIFT 904-RED	USA 62796899						
VIADUCT DIAMND PENDENT 1739	840003126683178			C			
VIADUCT DIAMOND BEHOLD 1741	840003126683180						
VIADUCT G W A INSPIRE 1528	USA 71742666						
VIADUCT MOGUL CHARITY 1738	840003126683177						
VIADUCT MXR BOUNDLESS 1485	USA 71742623					C	
VIADUCT REDBURST SPOTS-RED	USA 72759058		C				3
VIADUCT ROBUST ZINNIA 1429	USA 70688233						
VIADUCT SPRSRE BELODIOUS-ET	USA 72759069						
VICTORIA ARTES FRANZISKA	CAN 11552986						
VICTORY-LLC BOLIVIA 1198	USA 66753917						
VIDA PRONTO LYNK	USA 140198560	C					
VIDIA AIKMAN MIRANDA-ET	CAN 109138143						
VIDIA BOLTON MAGIQUE	CAN 104263086						
VIDIA EVOLVE MISTAKE-ET	CAN 106561162						
VIDIA EVOLVE TAMMY-ET	CAN 106561151						
VIDIA GOLDWIN MARJORY-ET	CAN 102763599						
VIDIA LEXOR MELODIE-ET	CAN 107716565						
VIDIA M LEADER TITOUNE-TW	CAN 104263046						
VIDIA MAGNA MILLE	CAN 106561172						3
VIDIA MAGNA MILLIARD-RED-ET	CAN 106561176						3
VIDIA MR BURNS MAGNIFIQUE-ET	CAN 104263087						3
VIDIA MR BURNS MISS	CAN 104263097		C				3
VIDIA MRBURNS MELODIE-ET	CAN 104263071		C				3
VIDIA SNOWMAN MAJESTIC	CAN 107148564						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIDIA TALENT MARIE JOSEE-RED	CAN 102763552						
VIERRAS DOVER AVA-ET	USA 141979302	C					
VIERRAS PLATO LIP GLOSS-ET	USA 69931824	C					
VIERRAS PLATO LIP STICK-ET	USA 69931823	C					
VIERRAS RAVISH LUCY 7304-ET	USA 141993793						
VIETHSONS DORCY BAMBI	USA 72069427						
VIETHSONS GABOR PEG ANGI	USA 73071301						
VIETHSONS OUTSIDE PEG HANA	USA 62258720						
VIETHSONS PETRONE PEG AB-ET	USA 71032608					C	
VIETHSONS PETRONE PEG AG-ET	USA 71032611						
VIETHSONS PETRONE PEG AN-ET	USA 71032599						
VIETHSONS PLANET PEG ANDI	USA 69836767					C	
VIETHSONS SHOTTLE FERRIN	USA 66224335					C	
VIETHSONS SHOTTLE PEG ALLI	USA 66224310					C	
VIETHSONS SHOTTLE PEG BREE	USA 66224339						
VIETHSONS SHOTTLE PEG PAT P	USA 66224347			C		C	
VIETHSONS TOYSTORY PEG ADA	USA 64822086						
VIEUXCHENE BLEU JOLLY-RED	CAN 9208679						
VIEUXSAULE AIKMAN KONALA-ET	CAN 108317791						
VIEUXSAULE ALLEN DRAGONFLY	CAN 8378264						
VIEUXSAULE BOLTON HALIA-ET	CAN 104553604						
VIEUXSAULE BUCKEYE JAIME-ET	CAN 105167231						
VIEUXSAULE BUCKEYE LENA	CAN 104224791						
VIEUXSAULE CHEVROLET TETSUE	CAN 108840011						
VIEUXSAULE CHIPER FAMOUS-ET	840003012560032						
VIEUXSAULE DADDY FERRARI-ET	USA 72302316						
VIEUXSAULE DESTRY DREAMY	CAN 106337471						
VIEUXSAULE DTRMIN FERGIE-ET	840003012559599						
VIEUXSAULE FRED FELICIA-ET	CAN 106759895						
VIEUXSAULE FREDDIE CYNTHIA-ET	CAN 106759896						
VIEUXSAULE FREDDIE TANYA-ET	CAN 106759897						
VIEUXSAULE GOLDCHIP JACKY-ET	CAN 107335941						
VIEUXSAULE JACKMAN FLORA-ET	840003012559742						
VIEUXSAULE JUSTEPH B JAIMY-3T	CAN 106611704			C			
VIEUXSAULE LAUTHRTY ARIZONA-ET	CAN 107824957						
VIEUXSAULE M O M HAYDIE-ET	CAN 105835150						
VIEUXSAULE OUTSIDE MARY SOL	CAN 7180617						
VIEUXSAULE PLATINUM SHIRAS-ET	CAN 108840023						
VIEUXSAULE SABRING-ET	CAN 107824938						
VIEUXSAULE SHAN FEREA-ET	840003012559573						
VIEUXSAULE SHAN FIONA-ET	840003012559601						
VIEUXSAULE SHAN FOXY-ET	840003012559596						
VIEUXSAULE SUDAN KAREEN-ET	CAN 107335962						
VIEUXSAULE TOYSTORY HALEY-ET	CAN 104224798						
VIEUXSAULE TOYSTORY PEYTON-ET	CAN 104224799						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEUXSAULE UNO DAIQUIRI-ET	CAN 107824914						
VIEUXULE BOLTON DREAM	CAN 105167246						
VIEW-HOME 1ST DELPHINIUM-ET	840003130853949						
VIEW-HOME 1ST PANSY-ET	840003130853909						
VIEW-HOME ACE 19255-4-ET	USA 65855009						1
VIEW-HOME ACE 19255-6-ET	USA 65855022						
VIEW-HOME ACE O-DIAMONDS-ET	USA 70484445						
VIEW-HOME ADDIE 19247-1	USA 68591339						
VIEW-HOME AERO INDIANA-ET	USA 72612872					C	
VIEW-HOME AFSHOC LILAC	USA 70484449					C	
VIEW-HOME AIRNET ALEXA	USA 70484494						
VIEW-HOME AIRNET DELAINE	USA 70484505						
VIEW-HOME AIRNET GLOBAL	USA 70484507						
VIEW-HOME AIRNET KARGO-ET	USA 70484504						
VIEW-HOME ALAN GISELE	USA 69539255						
VIEW-HOME ALAN HIGH	USA 70575509						
VIEW-HOME ALAN JULIA	USA 68893207						
VIEW-HOME ALAN LANIE	USA 68893212						
VIEW-HOME ALAN LASS LIDIA	USA 70575513						
VIEW-HOME ALAN STACIE	USA 70575516						
VIEW-HOME ALAN TRACER	USA 69539297						
VIEW-HOME AMBROSE DR PEPPER	USA 70484495						
VIEW-HOME ARMIT CHERISH-ET	USA 70484482						
VIEW-HOME ARMITAGE LILA-ET	USA 70484486						
VIEW-HOME ARMITAGE NAKITA	USA 70484477						
VIEW-HOME ASHLEY 19154-1	USA 65854991						
VIEW-HOME ATLANTIC SILK	USA 68591390						
VIEW-HOME ATWOOD JOLENE	USA 70484455						
VIEW-HOME ATWOOD KARLY	USA 68591377						
VIEW-HOME ATWOOD MOON	USA 68591368						
VIEW-HOME AUBURN-ET	840003130853905						
VIEW-HOME AWARD DAISY	840003013938785						
VIEW-HOME AWARD NEENA	840003123824710		C				
VIEW-HOME AZALEA-ET	840003130853955						
VIEW-HOME BAY LEAVES-ET	840003132109799						
VIEW-HOME BAY TULIP-ET	840003132109844						
VIEW-HOME BAY ZINNIA-ET	840003132109847						
VIEW-HOME BEAU SADIE	USA 70484484						
VIEW-HOME BEAU TENNIS	USA 70484491						
VIEW-HOME BEAU VASANTI	USA 70484483						
VIEW-HOME BEN CACTUS	840003013938796						
VIEW-HOME BNICK ALL THAT-ET	USA 72364630						
VIEW-HOME BOOKEM CANDICE	USA 70484433						
VIEW-HOME BOOKEM CLEO	USA 70484441						
VIEW-HOME BOOKEM JOY-TW	USA 70484479						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME BOOKEM WYOMING	USA 72364644						
VIEW-HOME BOOKIE SUE	USA 70989602						
VIEW-HOME BOWSER DREW	USA 70484473						
VIEW-HOME BOWSER ROSIE	USA 70989601						3
VIEW-HOME BOXER JUDE	USA 70989580						
VIEW-HOME BOXER LEGO	USA 68591379						
VIEW-HOME BOXER MELITA	USA 68893166						
VIEW-HOME BOXER POTION	USA 70575525						
VIEW-HOME BOXER SHYLA	USA 68591363						
VIEW-HOME BRADELL MACY	USA 68591366						
VIEW-HOME BRADELL NICKI	USA 68591356						
VIEW-HOME BRADNICK DRAMA	USA 70484506						
VIEW-HOME BROKAW BAYLEE	USA 70484498						3
VIEW-HOME BRON TASTIC	USA 74089336						
VIEW-HOME BURNT SIENNA-ET	840003130853966						
VIEW-HOME BURPEES-ET	840003132109801						
VIEW-HOME C45 BAMBOO-ET	840003013938926						
VIEW-HOME CAJUN-ET	840003130853907		C				
VIEW-HOME CAM ICELAND	USA 72364637						
VIEW-HOME CAMERON JOSIE	USA 70484492						
VIEW-HOME CAMERON SPRITE	USA 70484499						
VIEW-HOME CAMERON TRIX	USA 70484493						
VIEW-HOME CANARY-ET	840003132109792						
VIEW-HOME CASINO MOCHA-ET	USA 70484438						
VIEW-HOME CHAMP ALBANY-ET	840003130853954						1
VIEW-HOME CHAMP CHICAGO-ET	840003130853928					C	1
VIEW-HOME CHAMP DALLAS-ET	840003130853926						1
VIEW-HOME CHARLIE FAY	USA 70484468						
VIEW-HOME CHIP BROOK	840003123824733						
VIEW-HOME CHIP PIN	USA 74089337						
VIEW-HOME CINNAMON-ET	840003130853919						
VIEW-HOME COSMO JUSTICE	USA 72364642						1
VIEW-HOME CUMIN-ET	840003130853915						
VIEW-HOME CUSTOM LUCIE	USA 68893268						
VIEW-HOME CUSTOM SAUCE	USA 70484476						
VIEW-HOME CUSTOM SURINAMO	USA 70575541						
VIEW-HOME CUSTOM VELVET	USA 70484439						
VIEW-HOME DADDY HMPSHIRE-ET	840003011789013		C			C	
VIEW-HOME DADDY JERSEY-ET	USA 72985090		C				
VIEW-HOME DADDY NEBRASKA-ET	USA 72730600		C			C	
VIEW-HOME DADDY NEVADA-ET	USA 72730601		C				
VIEW-HOME DAFFODIL-ET	840003132109832						
VIEW-HOME DAY AIRSHOW-ET	USA 72933050						
VIEW-HOME DAY MISSISSIPPI-ET	USA 72663807					C	
VIEW-HOME DEF ANNAPOLIS-ET	840003123824727					C	

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME DEF HOPE	840003123824734	C					
VIEW-HOME DEF POSI-ET	840003124671672						
VIEW-HOME DEN LOTUS-ET	840003132109852						
VIEW-HOME DEN MARIGOLD-ET	840003132109853						
VIEW-HOME DESTRY LYNN	USA 70484460						1
VIEW-HOME DICKEY ROWDEY	USA 68893285						
VIEW-HOME DICKEY SHIRLEY	USA 70484451						
VIEW-HOME DIGGER GOLD-TW	USA 68591399						
VIEW-HOME DISTRIBUTE MONEY	USA 72663806						
VIEW-HOME DM FANNIE	840003013938801					C	
VIEW-HOME DOGOOD 19238-4-ET	USA 68591330						
VIEW-HOME DOLL-ET	840003132109791						
VIEW-HOME DOMAIN DAKOTA	USA 68591382						
VIEW-HOME DOMAIN KELLY	USA 70484426						
VIEW-HOME DOMAIN SNOWWHITE	USA 68591394						
VIEW-HOME DON LAUREL	840003012929585						
VIEW-HOME DOWNALANE 14583-1	USA 68893123						
VIEW-HOME DRMAN WSCONSIN-ET	USA 72933048					C	
VIEW-HOME DUCATI EVO	840003013938715						
VIEW-HOME DUCATI GREAT	840003013938718						
VIEW-HOME DUCATI GT	840003013938716						
VIEW-HOME DUCATI LIFE	840003013938812						
VIEW-HOME DUCATI SPORT	840003013938737						
VIEW-HOME DYNAMO 19058-2	USA 68591354	C					
VIEW-HOME EGGPLANT-ET	840003132109822						
VIEW-HOME ELECTRIC LIME-ET	840003132109823						
VIEW-HOME EPIC BLOCK-ET	USA 70484510						
VIEW-HOME EPIC CHEERLEAD-ET	USA 70484503						
VIEW-HOME EPIC MADISON-ET	USA 70484521						
VIEW-HOME EPIC MAKER-ET	USA 72364628						
VIEW-HOME EPIC PASS-ET	USA 70484514						
VIEW-HOME EPIC REBOUND-ET	USA 70484508						
VIEW-HOME EPIC SPARKLE	USA 70484517						
VIEW-HOME EPIC TIDALWAVE	USA 72187708						
VIEW-HOME ERNHDT LIKE IT-ET	USA 72730613						
VIEW-HOME ERNHDT NEWYORK-ET	USA 72730605						
VIEW-HOME ERNHDT OKLA-ET	USA 72933046					C	
VIEW-HOME ERNHDT PENN-ET	USA 72933045						
VIEW-HOME EVENT SANTA FE-ET	840003130853886						
VIEW-HOME EXPLODE MORISSA	USA 68591371						
VIEW-HOME FABRIC MAPLE-ET	840003012929408						
VIEW-HOME FABRIC PLUM-ET	840003012929415						
VIEW-HOME FUSION MCKINLEY	USA 70484463						
VIEW-HOME FUZZY BROWN-ET	840003132109829						
VIEW-HOME G-CHIP TRUDY	USA 70484475						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME GERBERA-ET	840003132109833						1
VIEW-HOME GINA 19305-1	USA 66973895						
VIEW-HOME GLORY ROAD-ET	840003130853894						1
VIEW-HOME GOLD OHIO-ET	USA 72730610						
VIEW-HOME GOLDENROD-ET	840003132109831						1
VIEW-HOME GREEN YELLOW-ET	840003132109841						
VIEW-HOME HERO COTY	USA 69539281						
VIEW-HOME HL SNOWBALL	840003012929583						
VIEW-HOME HLINER KOKA-ET	USA 72730612						
VIEW-HOME HLINER KOKO-ET	USA 72730609						
VIEW-HOME HOT MAGENTA-ET	840003132109843						
VIEW-HOME HYDRANGEA-ET	840003130853967						
VIEW-HOME INCH WORM-ET	840003132109845						
VIEW-HOME INST QUOTES-TW	840003013938789						
VIEW-HOME INST THEORY-TW	840003013938788						
VIEW-HOME JABIR BOUNCE	USA 74089334						
VIEW-HOME JABIR SAFETY-ET	840003124671628						
VIEW-HOME JABIR TRAINEE-ET	840003124671761						
VIEW-HOME JACEY SIERRA MIST	840003123824714						
VIEW-HOME JACEY TABLE	USA 74089339						
VIEW-HOME JENGA-ET	840003132109815					C	1
VIEW-HOME JIVES DANCE	USA 70484489						
VIEW-HOME JM FUEL	840003012929596						
VIEW-HOME JO AMANDA-ET	840003130853941						
VIEW-HOME JODETTE 19246-1	USA 68591336						
VIEW-HOME JOLLY 19236-2	USA 65855024						
VIEW-HOME KAMPMAN LALA	USA 68591409						
VIEW-HOME KAMPMAN SUSHI	USA 68893202			C			
VIEW-HOME KAREN 13785-2-ET	USA 65855029						
VIEW-HOME KAYLEE 19167-1	USA 66973877						
VIEW-HOME KBOY ROCKSTAR-ET	840003130853895					C	
VIEW-HOME KPIN SALEM-ET	840003130853965						
VIEW-HOME KRUE DEBBIE	USA 70484487						
VIEW-HOME KRUSADER GINNIE	USA 70989575						
VIEW-HOME KYLE KATHY	USA 68893163						
VIEW-HOME LADD APPLE-ET	USA 72730611						
VIEW-HOME LADD APRICOT-ET	USA 72730615						1
VIEW-HOME LADD CLAUDIA	USA 72187709						3
VIEW-HOME LADD DESERAE	USA 73155897						1
VIEW-HOME LADD DEZ	USA 72933047	C					1
VIEW-HOME LADD TRIXIE-ET	USA 72933051						1
VIEW-HOME LARGE STACIE-ET	USA 70484511						
VIEW-HOME LASER LEMON-ET	840003132109850						1
VIEW-HOME LAT CONVERSION	USA 74089338						1
VIEW-HOME LAVENDER-ET	840003132109851						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME LAYNE AMBER	USA 72364648						
VIEW-HOME LIESL ODIVA	USA 68893218						
VIEW-HOME LILLY-1	USA 68591351						
VIEW-HOME LILYOFVALLEY-ET	840003132109786						
VIEW-HOME LITH CONECTCUT-ET	USA 72518337					C	
VIEW-HOME LITH DELAWARE-ET	USA 72518338					C	
VIEW-HOME LOTTERY-ET	840003130853930						
VIEW-HOME MAC AND CHEESE-ET	840003132109856						
VIEW-HOME MAC SOPHIA	USA 70575519						
VIEW-HOME MAC-G ATTICO	USA 70575542						
VIEW-HOME MAC-G BUNNY	USA 68893280						
VIEW-HOME MAC-G DESIGNATED	USA 68893279						
VIEW-HOME MAC-G JUICEY	USA 68893282	C					
VIEW-HOME MAC-G KALEIDO	USA 70575531						
VIEW-HOME MAC-G LIZZIE	USA 70575558						
VIEW-HOME MAC-G MERRIDIAN	USA 70575524						
VIEW-HOME MAC-G OZZIE	USA 68893265						
VIEW-HOME MAC-G PIZZERIA	USA 68893273						
VIEW-HOME MACGUINNESS LACTIA	USA 68893182						
VIEW-HOME MAIN MENU-ET	840003130853883						
VIEW-HOME MAYFIELD JOVI	USA 72187706			C			
VIEW-HOME MCC ALABAMA-ET	USA 72456685						
VIEW-HOME MCC ALASKA-ET	USA 72456684						
VIEW-HOME MCC ALETA	USA 72730602						
VIEW-HOME MCC ARIZONA-ET	USA 72518335						
VIEW-HOME MCC BLT-ET	USA 74097036						
VIEW-HOME MCC BOOK-ET	USA 74089331						
VIEW-HOME MCC BUKSTOR-ETS	840003013938907						
VIEW-HOME MCC FOUND-ET	USA 72448289					C	
VIEW-HOME MCC GLORY-ET	USA 72448290						
VIEW-HOME MCC HOPE-ET	USA 72448288					C	
VIEW-HOME MCC JOYCE	USA 72456683						
VIEW-HOME MCC LINDEN-ET	840003012929484						
VIEW-HOME MCC MOOGLE	USA 72612874						
VIEW-HOME MCC RAMIRA	USA 72612870						
VIEW-HOME MCC ROSEMARIE-ET	USA 72456686						
VIEW-HOME MCC TRAIN-ET	USA 72518343						
VIEW-HOME MDIAN ADRIANA-ET	USA 72518339						
VIEW-HOME MDIAN MCKENZIE	USA 72518340						
VIEW-HOME MELITA 13670-1	USA 62773402			C			
VIEW-HOME MER MISS-ET	USA 74089333						
VIEW-HOME MER MRS-ET	USA 74089332						
VIEW-HOME MERI GO ROUND	840003013938797						
VIEW-HOME MERID VOLUME	840003013938790						
VIEW-HOME MERIDIAN BING-ET	USA 70484515						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME MERIDIAN KLARA	USA 72364643						
VIEW-HOME MERIDIAN PRINT-ET	USA 70484516						
VIEW-HOME MFIELD AVICE	USA 72612875			C			
VIEW-HOME MFIELD KOKO-ET	USA 72518336						
VIEW-HOME MFIELD MYTH-ET	USA 72364641			C			
VIEW-HOME MFIELD RILEY-ET	USA 72518341						
VIEW-HOME MITCH KRYSTAL	USA 70484513					C	
VIEW-HOME MIXER INDIA	USA 70484520						
VIEW-HOME MIXER POW-WOW	USA 72187707						
VIEW-HOME MOGUL AURORA	USA 72456687						
VIEW-HOME MOGUL CRYSTAL	USA 72364647						
VIEW-HOME MOGUL EMPIRE	USA 72448278						
VIEW-HOME MOGUL HONEY	USA 72518342						
VIEW-HOME MOGUL JUMP-ET	USA 72448279						
VIEW-HOME MOGUL MOUNDS-ET	USA 72448285						
VIEW-HOME MONREAL LONDON	USA 72933043						
VIEW-HOME MORG LIGHT-ET	USA 74097037					C	
VIEW-HOME MORGAN TREAT-ET	USA 73155900						
VIEW-HOME MRDIAN AID-ET	USA 72612873						
VIEW-HOME MRDIAN ALYA-ET	USA 72612867						
VIEW-HOME MRDIAN AMITY-ET	USA 72612868						
VIEW-HOME MRDIAN AURA-ET	USA 72612869						
VIEW-HOME MRDIAN IOWA-ET	USA 72612876					C	
VIEW-HOME MRDIAN LSIANA-ET	USA 72612877					C	
VIEW-HOME MYFLD WATERFAL-TW	USA 72364636			C			
VIEW-HOME MYFLD WELCOME-TW	USA 72364635						
VIEW-HOME NOW AND LATER-ET	840003132109846						
VIEW-HOME OBSER MYSTERY	USA 70484497						
VIEW-HOME OBSER SKYPE	USA 70484485						
VIEW-HOME OBSERVER KENDRA	USA 70484481						
VIEW-HOME OCEAN DHALIA-ET	840003132109828						1
VIEW-HOME OCEAN GOLD-ET	840003132109830						1
VIEW-HOME OCTFST FREESIA-ET	840003132109824						
VIEW-HOME OCTFT CLEMATIS-ET	840003132109826						
VIEW-HOME OSMOND JANETTE	USA 70575569						
VIEW-HOME OSMOND KLOE	USA 70484459						
VIEW-HOME OVERTIME TIP	840003123824717						
VIEW-HOME PB BASEBALL-ET	840003132109821						
VIEW-HOME PBALL DODGE-ET	840003132109816						
VIEW-HOME PBALL GMC-ET	840003132109820						
VIEW-HOME PBALL JEEP-ET	840003132109825						
VIEW-HOME PETRONE MADRID	USA 72187705						
VIEW-HOME PETRONE MILK-ET	USA 72448280						
VIEW-HOME PRED TIFF	840003013938791						3
VIEW-HOME PRENTICE JUDY	USA 68591395						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME PRIZER AMY	USA 70575550						
VIEW-HOME PRIZER HIGH	USA 70989564					C	
VIEW-HOME PRIZER ITACHA	USA 70575553					C	
VIEW-HOME PRIZER MISTERIO	USA 70575547					C	
VIEW-HOME PRIZER WALTZ	USA 68893269						
VIEW-HOME PRONTO TONYA-ET	USA 65854974						
VIEW-HOME PTRON COOKIES-ET	USA 72448283						
VIEW-HOME PULSAR 16944-ET	840003132418273						
VIEW-HOME PULSAR 17026-ET	840003134762740					C	
VIEW-HOME PUNCH DANA	USA 70484518						
VIEW-HOME PUNCH KENTUCKY	USA 72448284						
VIEW-HOME PUNCH KEY-ET	USA 72518344						
VIEW-HOME PUSH UP-ET	840003130853924					C	
VIEW-HOME RACER HELENA-ET	840003130853873						
VIEW-HOME REESES PIECES-ET	840003132109848						
VIEW-HOME RENE 19001	USA 64364695						
VIEW-HOME S-ROCK ADMIRE-ET	USA 70484461						
VIEW-HOME S-ROCK ADORE-ET	USA 70484470						
VIEW-HOME S-ROCK AMAZING-ET	USA 70484471						
VIEW-HOME S-ROCK APPROVE-ET	USA 70484469						
VIEW-HOME S-ROCK ARTEMIS-TW	USA 70484454						
VIEW-HOME S-ROCK ATHENA-TW	USA 70484453						
VIEW-HOME S-ROCK AURORA	USA 70484474						
VIEW-HOME S-ROCK DANICA-ET	USA 70484457						
VIEW-HOME S-ROCK MYSTERY	USA 70484456						
VIEW-HOME S-ROCK VALLERIE	USA 70484450						
VIEW-HOME SAVE BOSTON-ET	840003123824731					C	
VIEW-HOME SAVE LANSING-ET	840003123824732					C	
VIEW-HOME SHAC AMETHYST-ET	USA 70484452						
VIEW-HOME SHAC GWEN	USA 70484447						
VIEW-HOME SHAC RUBY-ET	USA 68893284						
VIEW-HOME SHAMELESS KOLBY	USA 71460666						
VIEW-HOME SHAMPOO MAXINE	USA 69539244						
VIEW-HOME SHAMPOO MS JULIE	USA 69539286						
VIEW-HOME SHAN ATLANTA	USA 73155899						
VIEW-HOME SHAN DOVER-ET	USA 72933055					C	
VIEW-HOME SHAN IMPRESS-ET	840003013938901						
VIEW-HOME SHAN SCRAMENTO-ET	USA 72933054					C	
VIEW-HOME SHAN WOW-ET	840003013938891						
VIEW-HOME SHERAC KATIE-ET	USA 70484488						
VIEW-HOME SILV NASHVILLE-ET	840003132109795						
VIEW-HOME SILVER AUSTIN-ET	840003132109797						
VIEW-HOME SILVER ORCHID-ET	840003132109790						
VIEW-HOME SILVER ROSE-ET	840003132109785						
VIEW-HOME SNAP DRAGON-ET	840003132109793						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME SOUR PATCH-ET	840003132109789						
VIEW-HOME SPNG FORSYTHIA-ET	840003132109835						
VIEW-HOME SPRING GREEN-ET	840003132109836						
VIEW-HOME SPRING PEONY-ET	840003132109840						
VIEW-HOME SPRING STATICE-ET	840003132109837						
VIEW-HOME SPRING VIOLET-ET	840003132109842						
VIEW-HOME SPRNG TRAINING-ET	840003132109839						
VIEW-HOME SQUAT THRUSTER-ET	840003132109804						
VIEW-HOME SRCK ANNABELLE-TW	USA 70484446						
VIEW-HOME SROCK MORNING-ET	USA 72364638	C					
VIEW-HOME SROCK NIGHT-ET	USA 72364640						
VIEW-HOME SROCK NOON-ET	USA 72364639						
VIEW-HOME SROCK SONDR	USA 72364646						
VIEW-HOME SS ARETHUSA-ET	USA 72456688						
VIEW-HOME SS AZRA-ET	USA 73155904						
VIEW-HOME SS CAMERO-ET	USA 72612878						
VIEW-HOME SS CORVETTE-ET	USA 72612879						
VIEW-HOME SS DECEMBER	USA 73155898						
VIEW-HOME SS JAIME-ET	840003013938871						
VIEW-HOME SS JANUS-ET	840003013938873						
VIEW-HOME STARBURST-ET	840003132109838						
VIEW-HOME STARGAZER LILY-ET	840003132109787						
VIEW-HOME STRIKER EUREKA	840003123824692					C	
VIEW-HOME STRIKER PUTTER	840003013938807						
VIEW-HOME STRIKER RAIN	USA 74089341					C	
VIEW-HOME SWEET PEA-ET	840003130853942						
VIEW-HOME TANGO IKON	840003123824712		C				
VIEW-HOME TIANA 19200-2	USA 65855013						
VIEW-HOME TIME 7UP	USA 68893248						
VIEW-HOME TIME ADDISON	USA 70484423						
VIEW-HOME TIME APPLE	USA 69539294						
VIEW-HOME TIME DASHEA	USA 68591374						
VIEW-HOME TIME DELORA	USA 68591365						
VIEW-HOME TIME DESIGNED	USA 68893237						
VIEW-HOME TIME EXCELL	USA 69539265						
VIEW-HOME TIME GRANT	USA 68893246						
VIEW-HOME TIME HILO	USA 69539240						
VIEW-HOME TIME JEWEL	USA 69539249						
VIEW-HOME TIME JOLENE	USA 69539282						
VIEW-HOME TIME LEANNE	USA 70575521			C			
VIEW-HOME TIME LIBBY	USA 69539273						
VIEW-HOME TIME LILLY	USA 70575543						
VIEW-HOME TIME LUCILLE	USA 68893278						
VIEW-HOME TIME LUCYLOO	USA 69539234						
VIEW-HOME TIME MAGGIE	USA 70575508						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIEW-HOME TIME MAGICO	USA 68893251						
VIEW-HOME TIME MAUI	USA 68591391						
VIEW-HOME TIME STARRY	USA 70575539						
VIEW-HOME TIME SUZETTE	USA 69539237						
VIEW-HOME TIME TWITTER	USA 68591387						
VIEW-HOME TOY 19211-2-TW	USA 68591353		C			C	
VIEW-HOME TRIGGER CLAUDIO	USA 70575560					C	
VIEW-HOME TRIGGER JOZEY	USA 70575559						
VIEW-HOME TWISTER-ET	840003132109813					C	
VIEW-HOME UNO FAITH-ET	USA 72448287						
VIEW-HOME UNO FINALLY-ET	USA 72448291						
VIEW-HOME UNO GRACE-ET	USA 72448286					C	
VIEW-HOME UNO HOLLY-TW	840003012929589						
VIEW-HOME UNO HOPE-ET	USA 72364645					C	
VIEW-HOME UNO LAMPADA	USA 74089335						
VIEW-HOME UNO LUCIANA-ET	USA 72364631						
VIEW-HOME UNO PANDORA-ET	USA 72364634						
VIEW-HOME UNO SASSY-ET	USA 72364629						
VIEW-HOME UNO SNOW SLOPE-ET	USA 72364649						
VIEW-HOME UNO WYOMING-ET	USA 72933052						
VIEW-HOME VALLEY 13796-1	USA 60995868			C			
VIEW-HOME WINDBROOK AVA	USA 70484465						1
VIEW-HOME YODER GLORIOSA-ET	840003130853959						
VIEWCREST FEVER TITO	USA 71936535						
VIEWCREST SARGEANT SPIDER	USA 71936537						
VIKING-PRAIRIE DESTRY LEANN	USA 69966913						1
VILLAROSA TALENT IDA	CAN 7791692						1
VILMA	HUN 3316704558						
VILMA	HUN 3316727632						
VINBERT BOWSER BROOKLYN-ET	CAN 106764315						
VINBERT DTRMN BEIJING-ET	840003012559575						
VINBERT ELEGANT BROADWAY-ET	CAN 103574615						
VINBERT LTHIUM BALTIMORE-ET	USA 72544902						
VINBERT SHAMROCK BARBIE	CAN 107330746						
VINEY-HILL PLANET HANNA	USA 143429876	C					3
VINROSE CARUSO MICOTIL	USA 142723061			C			
VIORIS G W SHELBY-ETS	CAN 7817759						1
VIR-CLAR 2866	USA 61717229			C			
VIR-CLAR BRONCO 9528	USA 70479728			C			
VIR-CLAR CAMRY 2472	USA 61118634		C				
VIR-CLAR CRAFTY 2922	USA 61982068						
VIR-CLAR DAKKER 11487	USA 71829948						1
VIR-CLAR DORCY 11595	USA 73045121						
VIR-CLAR DORCY 11614	USA 73045140			C			
VIR-CLAR GABOR 8615	USA 69248318						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VIR-CLAR GABOR 8898	USA 69248601						
VIR-CLAR GABOR 8900	USA 69248603						
VIR-CLAR GABOR 8905	USA 69248608						
VIR-CLAR GABOR 9012	USA 69832504						
VIR-CLAR GILLESPIY 11497	USA 71829958						
VIR-CLAR GILLESPIY 11569	USA 73045095						
VIR-CLAR GILLESPIY 11577	USA 73045103						
VIR-CLAR GULF 11546	USA 73045072						
VIR-CLAR GULF 11677	USA 73045203						
VIR-CLAR GULF 11691	USA 73045217						
VIR-CLAR MASSEY 11504	USA 73045030						
VIR-CLAR MASSEY 11705	USA 73045231			C			
VIR-CLAR MCNUGGETS 11707	USA 73045233						3
VIR-CLAR NIXON-330 3209	USA 62302361						
VIR-CLAR O MAN 3441	USA 62561117			C			
VIR-CLAR OLEGANT 11517	USA 73045043						
VIR-CLAR OLEGANT 11556	USA 73045082						
VIR-CLAR RASCLY 2845	USA 61717208						
VIR-CLAR READY 4036-TW	USA 63111842						
VIR-CLAR SUPER 9400	USA 69832892						
VIR-CLAR SUPER 9515	USA 70479715						
VIR-CLAR SUPER 9559	USA 70479759						
VIR-CLAR SUPER 9562	USA 70479762						
VIR-CLAR TRISCIT 2539	USA 61435487						
VIR-CLAR WATSON 11505	USA 73045031			C		C	
VIR-CLAR WATSON 11542	USA 73045068					C	
VIR-CLAR WINDBROOK 11578	USA 73045104	C					
VIR-CLAR WINDBROOK 11657	USA 73045183						1
VIR-CLAR WINDBROOK 11676	USA 73045202						3
VIR-CLAR WINDBROOK 11684	USA 73045210						1
VIR-CLAR YANCE 11689	USA 73045215						
VIR-CLAR YANCE 11699	USA 73045225						
VIR-CLAR ZITTI 2905	USA 61982051						
VIRHADA CONFIRM CHAMPAGNE	USA 62747044						
VISION-AIRE ALVEREZ ABBY	USA 73075109	C					
VISION-AIRE ALVEREZ ASHLEE	USA 73075114	C				C	
VISION-AIRE ALVEREZ JESSA	USA 73075093					C	
VISION-AIRE ATLANTIC ERMA	USA 73075066					C	
VISION-AIRE ATLANTIC MAGGIE	USA 73075047						
VISION-AIRE AUTOPILOT PAIGE	USA 73075101						
VISION-AIRE AVALON LONETTA	USA 73075053						
VISION-AIRE BAXTER LILIAN	USA 73075103						
VISION-AIRE BOXER ERIN	USA 73075065						
VISION-AIRE BRAXTON JANE	USA 73075055						
VISION-AIRE CARSON JACKE	USA 73075104						3

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-AIRE CARSON JULICIA	USA 73075096						
VISION-AIRE DESIGN WENDY	USA 73075041						
VISION-AIRE DEUCE CAMILLE	USA 73075105						
VISION-AIRE DIGGER ALYSSE	USA 73075088						3
VISION-AIRE DIGGER MARGE	USA 73075050						3
VISION-AIRE ELECTION EDANA	USA 73075106						
VISION-AIRE ELECTION JACKIE	USA 73075077						
VISION-AIRE ELECTION MARGIE	USA 73075078						
VISION-AIRE ELECTION UNIQUE	USA 73075099						
VISION-AIRE EMERALD BEZ	USA 73075083	C					
VISION-AIRE EMERALD FABRI	USA 73075094						
VISION-AIRE EQUATION SHONNA	USA 73075097						
VISION-AIRE FAVRE ELIZA	USA 73075118		C				
VISION-AIRE FAVRE KATELYNN	USA 73075111						
VISION-AIRE FAVRE MICAILAH	USA 73075117	C					
VISION-AIRE G W ATWOOD JETI	USA 73075079						
VISION-AIRE G W ATWOOD LENA	USA 73075102						
VISION-AIRE G W ATWOOD ROXE	USA 73075043						
VISION-AIRE G W ATWOOD SHEA	USA 73075110						
VISION-AIRE INTELL GOLDIE	USA 73075072						
VISION-AIRE INTELL JUONIAH	USA 73075108						
VISION-AIRE INTELL MARLEE	USA 73075071					C	
VISION-AIRE INTELL ROSIE	USA 73075112						3
VISION-AIRE JETT AIR ANDEE	USA 73075045						
VISION-AIRE JETT AIR DEE-TW	USA 73075075						
VISION-AIRE JETT AIR DOT-TW	USA 73075076						
VISION-AIRE JETT AIR KATI	USA 73075089						
VISION-AIRE JETT AIR OLIVIA	USA 73075040						
VISION-AIRE MAN-O-MAN2 DIVA	USA 73075074						
VISION-AIRE MAN-O-MAN2 ETTA	USA 73075091						
VISION-AIRE MAN-O-MAN2 JAMI	USA 73075064						
VISION-AIRE MASSIVE ESSA	USA 73075044		C				
VISION-AIRE MYTH DARIEN	USA 73075085						
VISION-AIRE MYTH ELINATAN	USA 73075092						
VISION-AIRE NIC THYANNA	USA 73075084						
VISION-AIRE OUTACITE TIERRA	USA 73075116						
VISION-AIRE PALERMO EVEE	USA 73075039						
VISION-AIRE PALERMO KATHY	USA 73075080	C					3
VISION-AIRE PALERMO MEG	USA 73075068	C					
VISION-AIRE PALERMO MOLLIE	USA 73075067						
VISION-AIRE PALERMO PEARL	USA 73075042						
VISION-AIRE PALERMO ROSA	USA 73075070						
VISION-AIRE RAE COUNTESS	USA 73075063						
VISION-AIRE RAE GAIL	USA 73075049						
VISION-AIRE RAE MARGO	USA 73075052						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-AIRE RAM ROBIN	USA 73075081						
VISION-AIRE SJAC MARIANA-TW	USA 73075119						
VISION-AIRE SJC AAREONCE-TW	USA 73075120						
VISION-AIRE TRUMP 1260	USA 73075090						
VISION-AIRE TRUMP ALEXCES	USA 73075082						
VISION-AIRE TRUMP BETZABEE	USA 73075095						
VISION-AIRE TRUMP TEENIE	USA 73075073						
VISION-AIRE WHTELGHTNG GAB	USA 73075087						
VISION-AIRE YANCE JELLO	USA 73075051						
VISION-AIRE YANCE MANDIE	USA 73075069						
VISION-GEN ABR C14187-ET	USA 71631400						
VISION-GEN AIRN MY13835-ET	USA 70609709						
VISION-GEN AIRN MY13845-ET	USA 70609719						
VISION-GEN AIRNET AL14319	USA 71631532						
VISION-GEN AIRNET AN14934	USA 71632147						
VISION-GEN ALEX GENA-ET	USA 68871539						1
VISION-GEN ALX ADA 11455-ET	USA 66758212						
VISION-GEN AND DC14400-ET	USA 71631613						
VISION-GEN AND DC14403-ET	USA 71631616						
VISION-GEN AND DC14404-ET	USA 71631617						
VISION-GEN AND DC14409-ET	USA 71631622						1
VISION-GEN AND DC14410-ET	USA 71631623						
VISION-GEN ARISTOTLE G14639	USA 71631852					C	
VISION-GEN ATWOOD M12866-ET	USA 69518202						
VISION-GEN AZY PT15543-ET	USA 72925021						
VISION-GEN AZY PT15555-ET	USA 72925033						
VISION-GEN BALDW BJ14802-ET	USA 71632015						
VISION-GEN BALDW BJ14805-ET	USA 71632018						
VISION-GEN BALDW BJ14813-ET	USA 71632026						
VISION-GEN BALDW BJ14815-ET	USA 71632028						
VISION-GEN BALDW BJ14817-ET	USA 71632030						
VISION-GEN BALDW BJ14824-ET	USA 71632037						
VISION-GEN BALDW BJ14829-ET	USA 71632042						
VISION-GEN BALDW BJ14834-ET	USA 71632047						
VISION-GEN BALDW BJ14860-ET	USA 71632073						
VISION-GEN BARNABY C13726	USA 70609600						
VISION-GEN BARNABY E13680	USA 70609554						
VISION-GEN BATON E14041	USA 71631254						
VISION-GEN BELUG CL15102-ET	USA 72924580			C			
VISION-GEN BELUG CL15109-ET	USA 72924587			C			
VISION-GEN BELUG CL15110-ET	USA 72924588						
VISION-GEN BELUG CL15122-ET	USA 72924600						
VISION-GEN BELUG CL15125-ET	USA 72924603						
VISION-GEN BILLINGS SH15414	USA 72924892					C	
VISION-GEN BOL MOLLY CRI-ET	USA 62030845						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN BOLVR M13163-ET	USA 70609037		C				
VISION-GEN BOWSER P13571-ET	USA 70609445						
VISION-GEN CAM A14142-ET	USA 71631355						
VISION-GEN CAM A14155-ET	USA 71631368						
VISION-GEN CAM A14166-ET	USA 71631379						
VISION-GEN CAM A14174-ET	USA 71631387						
VISION-GEN CAMARY M12973-ET	USA 69518309				C		
VISION-GEN CAMARY M12982-ET	USA 69518318		C				
VISION-GEN CAMARY M12987-ET	USA 69518323		C		C		
VISION-GEN CAMARY M12994-ET	USA 69518330		C				
VISION-GEN CANCN M13164-ET	USA 70609038						
VISION-GEN CASCADE C14512	USA 71631725			C			3
VISION-GEN CIM M12647-ET	USA 69517983						
VISION-GEN CIM M12655-ET	USA 69517991						
VISION-GEN CIM M12659-ET	USA 69517995						
VISION-GEN CLARK A13748-ET	USA 70609622						
VISION-GEN CLARK A13750-ET	USA 70609624						
VISION-GEN CLARK L13723-ET	USA 70609597						
VISION-GEN CLARK L13737-ET	USA 70609611						
VISION-GEN CLARK L13739-ET	USA 70609613						
VISION-GEN CLARK P13672-ET	USA 70609546						
VISION-GEN CM DC14299-ET	USA 71631512						3
VISION-GEN CM DC14301-ET	USA 71631514						3
VISION-GEN CM DC14302-ET	USA 71631515						3
VISION-GEN CM DC14305-ET	USA 71631518						3
VISION-GEN CM DC14307-ET	USA 71631520						
VISION-GEN CM DC14309-ET	USA 71631522						3
VISION-GEN COLBY IDEAL-ET	840003002918850						
VISION-GEN COLT R13660-RED	USA 70609534						
VISION-GEN COLT45 WINNIE-ET	USA 72763129						
VISION-GEN CRANDALL ED15135	USA 72924613						3
VISION-GEN DADDY MI14426-ET	USA 71631639		C				
VISION-GEN DAY EL15140	USA 72924618						
VISION-GEN DE R12653-RED-ET	USA 69517989					C	
VISION-GEN DES R12662-ET	USA 69517998					C	
VISION-GEN DESTN MI14659-ET	USA 71631872				C		
VISION-GEN DESTN MI14664-ET	USA 71631877						
VISION-GEN DESTN MI14669-ET	USA 71631882				C		
VISION-GEN DESTRY M13020-ET	USA 70608894						1
VISION-GEN DESTRY M13023-ET	USA 70608897						
VISION-GEN DESTRY M13031-ET	USA 70608905						1
VISION-GEN DESTRY M13036-ET	USA 70608910						1
VISION-GEN DESTRY R12680-ET	USA 69518016						1
VISION-GEN DIAM DC15196-ET	USA 72924674						1
VISION-GEN DIAM MI15193-ET	USA 72924671			C			

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN DORCY BJ14973-ET	USA 71632186						
VISION-GEN DORCY WS14972-ET	USA 71632185						
VISION-GEN DORCY WS14977-ET	USA 71632190						
VISION-GEN DORCY WS14979-ET	USA 71632192						
VISION-GEN DORCY WS14996-ET	USA 71632209						
VISION-GEN DST LEDA-B564-ET	USA 69431624					C	
VISION-GEN DYNAM C13218-ET	USA 70609092						
VISION-GEN DYNAM C13232-ET	USA 70609106			C			
VISION-GEN DYNAMC J13154-ET	USA 70609028			C			
VISION-GEN EARNH BJ14757-ET	USA 71631970						
VISION-GEN EARNH BJ14764-ET	USA 71631977						
VISION-GEN EARNH BJ14769-ET	USA 71631982						
VISION-GEN ECO CL13995-ET	USA 70609869						
VISION-GEN EFFCT BJ14592-ET	USA 71631805						
VISION-GEN ELECT MI14627-ET	USA 71631840		C				
VISION-GEN EPC MI14640-ET	USA 71631853						
VISION-GEN EPIC AL13900-ET	USA 70609774						
VISION-GEN EPIC AL13904-ET	USA 70609778						
VISION-GEN EPIC AL13920-ET	USA 70609794						
VISION-GEN EPIC DC14377-ET	USA 71631590						1
VISION-GEN EPIC DC14378-ET	USA 71631591						
VISION-GEN EPIC DC14379-ET	USA 71631592						
VISION-GEN EPIC DC14381-ET	USA 71631594						1
VISION-GEN EPIC DC14383-ET	USA 71631596						1
VISION-GEN EPIC DC14386-ET	USA 71631599						1
VISION-GEN EPIC DC14394-ET	USA 71631607						
VISION-GEN ERD CL13960-ET	USA 70609834						
VISION-GEN ERD MZ13998-ET	USA 70609872						
VISION-GEN ERD MZ14011-ET	USA 71631224						
VISION-GEN ERDM CL13863-ET	USA 70609737						
VISION-GEN ERDM CL13866-ET	USA 70609740						
VISION-GEN ERDM CL13869-ET	USA 70609743						
VISION-GEN ERDM MZ13929-ET	USA 70609803						
VISION-GEN EXPLD MITZ 12243	USA 69517579						
VISION-GEN EXPLOD S13774-ET	USA 70609648						
VISION-GEN EXPLOD S13782-ET	USA 70609656						
VISION-GEN EXPLODE A13898	USA 70609772						
VISION-GEN EXPLODE LILAC	USA 141258229						
VISION-GEN EXPLODE S13915	USA 70609789						
VISION-GEN EXPLODE WHAM-ET	USA 71588844						
VISION-GEN FEVER R13468-ET	USA 70609342						
VISION-GEN FONSY PT14484-ET	USA 71631697						
VISION-GEN FRD GYDA-C071-ET	USA 69772857						
VISION-GEN FREDDIE A13358	USA 70609232						
VISION-GEN FREDDIE C13187	USA 70609061						1

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN FREDDIE JUANITA	USA 69735133						
VISION-GEN GABOR CANDIES-ET	USA 69772870						
VISION-GEN GALAX WS14804-ET	USA 71632017						
VISION-GEN GALAX WS14806-ET	USA 71632019						
VISION-GEN GALAX WS14818-ET	USA 71632031						
VISION-GEN GERARD M13516	USA 70609390						
VISION-GEN GILLES GH15765	USA 72925243						
VISION-GEN GLD LEAJ-B786-ET	USA 69536000						1
VISION-GEN HE DC14254-ETS	USA 71631467						1
VISION-GEN HE DC14255-ETS	USA 71631468						1
VISION-GEN HERO DC14243-ET	USA 71631456						1
VISION-GEN HERO DC14246-ET	USA 71631459						
VISION-GEN HERO DC14249-ET	USA 71631462						1
VISION-GEN HERO DC14252-ET	USA 71631465						
VISION-GEN HERO DC14259-ET	USA 71631472						
VISION-GEN HERO DC14263-ET	USA 71631476						1
VISION-GEN HERO DC14274-ET	USA 71631487						1
VISION-GEN HERO DC14278-ET	USA 71631491						1
VISION-GEN HIGHW DC14415-ET	USA 71631628						
VISION-GEN HIGHW DC14417-ET	USA 71631630						
VISION-GEN HIGHW DC14418-ET	USA 71631631						
VISION-GEN HIGHW DC14420-ET	USA 71631633						1
VISION-GEN HILL A13666	USA 70609540						
VISION-GEN HILL JAMIE	USA 141574851						3
VISION-GEN INSPECT C13785	USA 70609659						
VISION-GEN IOTA G13129-ET	USA 70609003						
VISION-GEN IOTA G13133-ET	USA 70609007		C				
VISION-GEN IOTA LX13853	USA 70609727						
VISION-GEN IOTA W13227-ET	USA 70609101						
VISION-GEN IOTA W13231-ET	USA 70609105						
VISION-GEN IOTA W13236-ET	USA 70609110						
VISION-GEN JACKM CL14961-ET	USA 71632174						
VISION-GEN JAVA M13175-ET	USA 70609049						
VISION-GEN JIVES D13624-ET	USA 70609498						
VISION-GEN JIVES D13636-ET	USA 70609510						
VISION-GEN JIVES D13644-ET	USA 70609518						
VISION-GEN JIVES D13646-ET	USA 70609520						
VISION-GEN K10697 AL14610	USA 71631823						
VISION-GEN K10697 G14615	USA 71631828						
VISION-GEN KING MI14989-ET	USA 71632202						
VISION-GEN KING MI15001-ET	USA 72924479						
VISION-GEN KING PT14854-ET	USA 71632067						
VISION-GEN KING PT14864-ET	USA 71632077						
VISION-GEN KING WS14976	USA 71632189						
VISION-GEN KING WS15003	USA 72924481						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN KRAMER WILLOW-ET	USA 70885429						
VISION-GEN KRUNCH WS15149	USA 72924627						
VISION-GEN LARGE DC14365-ET	USA 71631578						
VISION-GEN LARGE DC14373-ET	USA 71631586						1
VISION-GEN LARGE DC14380-ET	USA 71631593						1
VISION-GEN LARGE DC14382-ET	USA 71631595						1
VISION-GEN LARGE DC14390-ET	USA 71631603						
VISION-GEN LARRY G14006	USA 71631219						
VISION-GEN LARRY R14004	USA 71631217	C					
VISION-GEN LATIM BJ14606-ET	USA 71631819						3
VISION-GEN LATIM BJ14936-ET	USA 71632149						3
VISION-GEN LATIM BJ15398-ET	USA 72924876						3
VISION-GEN LATIM RD14886-ET	USA 71632099						
VISION-GEN LATIM RD15058-ET	USA 72924536						1
VISION-GEN LATIM RV14553-ET	USA 71631766					C	1
VISION-GEN LATIM RV14560-ET	USA 71631773					C	
VISION-GEN LATIM RV14577-ET	USA 71631790						1
VISION-GEN LAYNE BJ14449-ET	USA 71631662						
VISION-GEN LAYNE BJ14485-ET	USA 71631698						
VISION-GEN LAYNE BJ14494-ET	USA 71631707						
VISION-GEN LAYNE BJ14499-ET	USA 71631712						
VISION-GEN LB R11795-RED-ET	USA 66758552						
VISION-GEN LEVI M14040	USA 71631253		C				
VISION-GEN LEXOR BJ14628-ET	USA 71631841						
VISION-GEN LEXOR BJ15655-ET	USA 72925133						
VISION-GEN LEXOR BJ15826-ET	USA 72925304						
VISION-GEN LSTYR CK14504-ET	USA 71631717	C					
VISION-GEN LYN AL14282-ET	USA 71631495						
VISION-GEN LYN AL14313-ET	USA 71631526						
VISION-GEN M MI14722-RED-ET	USA 71631935				C		
VISION-GEN MAC ALLIE-ET	USA 66757777						
VISION-GEN MAC GILD-TW	840003001667153		C				
VISION-GEN MAC GILDA-TW	840003001667154		C				
VISION-GEN MANIFOLD E13589	USA 70609463						
VISION-GEN MANOMAN GILDIE	840003006227721		C				
VISION-GEN MARV B12772	USA 69518108						
VISION-GEN MASS BJ14718-ET	USA 71631931						
VISION-GEN MASSEY CP14536	USA 71631749						
VISION-GEN MASSY LZ14544-TW	USA 71631757						
VISION-GEN MAUR PT14866-ET	USA 71632079						
VISION-GEN MAUR SH15230-ET	USA 72924708					C	
VISION-GEN MAUR SH15262-ET	USA 72924740					C	
VISION-GEN MAUR SH15483-ET	USA 72924961						
VISION-GEN MAUR WS14921-ET	USA 71632134						
VISION-GEN MAUR WS14925-ET	USA 71632138						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN MAUR WS14933-ET	USA 71632146						
VISION-GEN MAUR WS14943-ET	USA 71632156						
VISION-GEN MAUR WS15072-ET	USA 72924550						
VISION-GEN MAURI WS14942-ET	USA 71632155						
VISION-GEN MAXIMUS CL14258	USA 71631471	C					
VISION-GEN MAXIMUS MI14213	USA 71631426		C				
VISION-GEN MAY DC14240-ET	USA 71631453						
VISION-GEN MAY DC14244-ET	USA 71631457			C			
VISION-GEN MAY DC14253-ET	USA 71631466			C			1
VISION-GEN MAY DC14260-ET	USA 71631473			C			1
VISION-GEN MAY DC14261-ET	USA 71631474						1
VISION-GEN MAY DC14267-ET	USA 71631480			C			
VISION-GEN MAY DC14269-ET	USA 71631482						1
VISION-GEN MERLO MI14706-ET	USA 71631919				C		
VISION-GEN MERLO MI14709-ET	USA 71631922				C		
VISION-GEN MERLO MI14724-ET	USA 71631937						
VISION-GEN MICHAEL GERTA-ET	840003006227707						
VISION-GEN MICHAEL GETTY-ET	840003006227708		C				
VISION-GEN MICHAEL GILL-ET	840003006227704		C				
VISION-GEN MICHEL GERTIE-ET	840003006227710		C				
VISION-GEN MIL J11641-ETS	USA 66758398		C				1
VISION-GEN MIL J11642-ETS	USA 66758399		C				1
VISION-GEN MILL J11647-ET	USA 66758404		C				1
VISION-GEN MILL JESSI-ET	USA 66758318						
VISION-GEN MILL L11623-ET	USA 66758380						
VISION-GEN MILLION LEIGH-ET	USA 68580418						
VISION-GEN MILLION LEIZA-ET	USA 68580424		C				
VISION-GEN MIT AL14268-ET	USA 71631481						
VISION-GEN MIT AL14271-ET	USA 71631484						
VISION-GEN MIT AL14291-ET	USA 71631504						
VISION-GEN MOGUL BJ14314-ET	USA 71631527						
VISION-GEN MOGUL DC14321-ET	USA 71631534						
VISION-GEN MOGUL DC14360-ET	USA 71631573						1
VISION-GEN MOGUL DC14361-ET	USA 71631574						1
VISION-GEN MOGUL DC14372-ET	USA 71631585						
VISION-GEN MOGUL DC14384-ET	USA 71631597						
VISION-GEN MOGUL DC14389-ET	USA 71631602						
VISION-GEN MOGUL DC14393-ET	USA 71631606						
VISION-GEN MOGUL DC14395-ET	USA 71631608						
VISION-GEN MOGUL DC14396-ET	USA 71631609						1
VISION-GEN MOGUL DC14960-ET	USA 71632173						1
VISION-GEN MOGUL DC14970-ET	USA 71632183						
VISION-GEN MOGUL MI14387-ET	USA 71631600						
VISION-GEN MOGUL MI14392-ET	USA 71631605						
VISION-GEN MOGUL SH15078-ET	USA 72924556						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN MOGUL SH15081-ET	USA 72924559					C	
VISION-GEN MOGUL SH15082-ET	USA 72924560						
VISION-GEN MOGUL SH15087-ET	USA 72924565					C	
VISION-GEN MOM WISA-B349-ET	USA 69431631						
VISION-GEN MOM2 WS15278	USA 72924756			C			
VISION-GEN MONREAL P15028	USA 72924506						
VISION-GEN NIAGRA M13162-ET	USA 70609036		C				
VISION-GEN NIAGRA M13179-ET	USA 70609053						
VISION-GEN OBSRV J12923-ET	USA 69518259						
VISION-GEN OBSRV J12931-ET	USA 69518267						1
VISION-GEN OBSRV J12941-ET	USA 69518277						
VISION-GEN OBSRV JULIE-ET	USA 69518260						
VISION-GEN OBSRV L13504	USA 70609378						
VISION-GEN OBSRV R13073	USA 70608947						
VISION-GEN OSMOND M13291-ET	USA 70609165						
VISION-GEN OSMOND M13298-ET	USA 70609172						
VISION-GEN OSMOND M13300-ET	USA 70609174						
VISION-GEN OSMOND M13307-ET	USA 70609181						
VISION-GEN OSTYLE C13361-ET	USA 70609235						
VISION-GEN OSTYLE C13370-ET	USA 70609244						
VISION-GEN OSTYLE W13336-ET	USA 70609210						
VISION-GEN OSTYLE W13347-ET	USA 70609221			C			
VISION-GEN PARAD C14436-ET	USA 71631649						
VISION-GEN PEMBRK R12471-ET	USA 69517807			C			
VISION-GEN PER CL13964-ET	USA 70609838						
VISION-GEN PER CL13965-ET	USA 70609839						
VISION-GEN PER CL13969-ET	USA 70609843						
VISION-GEN PETE M13067-ET	USA 70608941						
VISION-GEN PETRO CK14555-ET	USA 71631768						
VISION-GEN PETRO CK14582-ET	USA 71631795						
VISION-GEN PETRO EL14452-ET	USA 71631665	C					
VISION-GEN PETRONE DC15307	USA 72924785						1
VISION-GEN PLANET J11636-ET	USA 66758393						
VISION-GEN PLANET M11856-ET	USA 66758613			C			
VISION-GEN PLAT CP15094-ET	USA 72924572					C	
VISION-GEN PLN WOND-A907-ET	USA 69431603						
VISION-GEN PRED AL15232-ET	USA 72924710						
VISION-GEN PRED AL15236-ET	USA 72924714						
VISION-GEN PRED AL15239-ET	USA 72924717						3
VISION-GEN PRED AL15240-ET	USA 72924718						3
VISION-GEN PRED AL15254-ET	USA 72924732						3
VISION-GEN PT EL14472-ETS	USA 71631685	C					
VISION-GEN PT EL14473-ETS	USA 71631686	C					
VISION-GEN PTW E13657	USA 70609531						
VISION-GEN RORY AL14646	USA 71631859						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN RORY CATE 14732	USA 71631945						
VISION-GEN RORY LX14656	USA 71631869						
VISION-GEN RORY MI14774	USA 71631987						
VISION-GEN RORY PT14655	USA 71631868						
VISION-GEN RORY RX14674	USA 71631887						
VISION-GEN RORY WS14725-ET	USA 71631938						
VISION-GEN ROSS C12619-ET	USA 69517955			C			3
VISION-GEN RUBLE LZ14956	USA 71632169					C	
VISION-GEN SAVAG R13607-RED	USA 70609481						1
VISION-GEN SAVAGE S13583-ET	USA 70609457						
VISION-GEN SAVAGE S13584-ET	USA 70609458						1
VISION-GEN SCIPIO 14597	USA 71631810						
VISION-GEN SH COR 11511-ET	USA 66758268		C				
VISION-GEN SH COR 11525-ET	USA 66758282		C				
VISION-GEN SH DES C12185-ET	USA 69517521						1
VISION-GEN SH FRD A12276-ET	USA 69517612						
VISION-GEN SH FRD A12304-ET	USA 69517640						
VISION-GEN SH FRD A12305-ET	USA 69517641						
VISION-GEN SH FRD A12326-ET	USA 69517662						
VISION-GEN SH FRD M12112-ET	USA 69517448						
VISION-GEN SH LBY G11476-ET	USA 66758233						
VISION-GEN SH MIL M11145-ET	USA 66757902						
VISION-GEN SH MIL M11146-ET	USA 66757903		C				
VISION-GEN SH MIL M11150-ET	USA 66757907		C				
VISION-GEN SH MIL M11151-ET	USA 66757908		C				
VISION-GEN SH MIL M11175-ET	USA 66757932						
VISION-GEN SH MIL M11176-ET	USA 66757933		C				
VISION-GEN SH MIL M11182-ET	USA 66757939						
VISION-GEN SH MIL M11184-ET	USA 66757941						
VISION-GEN SH MIL M11188-ET	USA 66757945		C				
VISION-GEN SH MIL M11190-ET	USA 66757947						
VISION-GEN SH MIL M11203-ET	USA 66757960						
VISION-GEN SH MIL M11365-ET	USA 66758122						
VISION-GEN SH PLN E11472-ET	USA 66758229						
VISION-GEN SH SPR A12122-ET	USA 69517458						
VISION-GEN SHA A14130-ET	USA 71631343						
VISION-GEN SHA C14185-ET	USA 71631398						3
VISION-GEN SHA C14199-ET	USA 71631412			C			
VISION-GEN SHA C14202-ET	USA 71631415						3
VISION-GEN SHA C14207-ET	USA 71631420						
VISION-GEN SHA C14217-ET	USA 71631430			C			3
VISION-GEN SHA LX14128-ET	USA 71631341						
VISION-GEN SHAMR A13991-ET	USA 70609865						
VISION-GEN SHAMR LX13822-ET	USA 70609696						
VISION-GEN SHAMR LX13837-ET	USA 70609711						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN SHAMR LX13849-ET	USA 70609723						
VISION-GEN SHAN CP14990-ET	USA 71632203						
VISION-GEN SHAN CP14995-ET	USA 71632208						
VISION-GEN SHAN CP15002-ET	USA 72924480						
VISION-GEN SHAN CP15228-ET	USA 72924706						
VISION-GEN SHAN CP15261-ET	USA 72924739						
VISION-GEN SHAN WAFFLE-ET	840003010991557						
VISION-GEN SHAN WAVERLY-ET	840003010991560						
VISION-GEN SHAN WHISTLE-ET	840003010991559						
VISION-GEN SHAN WS 14750-ET	USA 71631963						
VISION-GEN SHAN WS14770-ET	USA 71631983						
VISION-GEN SHERAC G14061	USA 71631274						
VISION-GEN SHERAC T13400-ET	USA 70609274						
VISION-GEN SHF AS D12121-ET	USA 69517457					C	
VISION-GEN SHF AS D12131-ET	USA 69517467					C	
VISION-GEN SHF DOT L3285-ET	USA 63262145						
VISION-GEN SHF PLAN ELAN-ET	USA 65494507						
VISION-GEN SHF PLAN ELMA-ET	USA 65494496						
VISION-GEN SHF TREND-ET	USA 62517274						
VISION-GEN SHMRCK M13407-ET	USA 70609281			C			
VISION-GEN SHOTG BJ14782-ET	USA 71631995						
VISION-GEN SHOTG BJ14808-ET	USA 71632021						
VISION-GEN SHOTG WS14928-ET	USA 71632141						
VISION-GEN SHOTTLE FANCI-ET	USA 62555646					C	
VISION-GEN SHOTTLE FANCY-ET	USA 62555640						
VISION-GEN SHOTTLE MARI-ET	USA 62555660						
VISION-GEN SHOTTLE MARIA-ET	USA 62555657					C	
VISION-GEN SNOW GLOBE-ET	USA 69892625			C			
VISION-GEN SNOW WHITE-ET	USA 69892624						
VISION-GEN SNOW WINTER-ET	USA 69892621						
VISION-GEN SNZ WEEP-B273-ET	USA 69431600						
VISION-GEN SONIC WONDER-ET	USA 71588831						
VISION-GEN SPX WS14833-ET	USA 71632046						
VISION-GEN SPX WS14845-ET	USA 71632058						
VISION-GEN SS MI 14648-ET	USA 71631861						
VISION-GEN SS MI14881-ET	USA 71632094						
VISION-GEN SS MI14888-ET	USA 71632101						
VISION-GEN SS MI14896-ET	USA 71632109						
VISION-GEN SS MI14910-ET	USA 71632123						
VISION-GEN STEWARD 13264	USA 70609138						
VISION-GEN SUDAN BJ14331-ET	USA 71631544						
VISION-GEN SUDAN BJ14345-ET	USA 71631558						
VISION-GEN SUDAN BJ14347-ET	USA 71631560						
VISION-GEN SUDAN DC14297-ET	USA 71631510						
VISION-GEN SUDAN DC14308-ET	USA 71631521						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISION-GEN SUDAN DC14311-ET	USA 71631524						1
VISION-GEN SUDAN DC14318-ET	USA 71631531						
VISION-GEN SUDAN DC14329-ET	USA 71631542						1
VISION-GEN SUDAN DC14951-ET	USA 71632164						
VISION-GEN SUPER BONNIE-ET	USA 69517426						
VISION-GEN SUPER GENEVA-ET	USA 69536004						
VISION-GEN SUPER M13652	USA 70609526						
VISION-GEN SUPER R13335-ET	USA 70609209						
VISION-GEN SUPER WISE 13727	USA 70609601						
VISION-GEN SUPERBOWL L14599	USA 71631812						
VISION-GEN SUPLX WS14638-ET	USA 71631851						
VISION-GEN TM CASH WIN-ET	840003011901780						3
VISION-GEN TM CC WHIMSY-ET	840003011901794						
VISION-GEN TM SHAN WENDY-ET	840003010991555						
VISION-GEN TM SHAN WINDY-ET	840003010991554						
VISION-GEN TM SHAN WREN-ET	840003010991558						
VISION-GEN TM SHAN WYND-ET	840003010991556						
VISION-GEN TM UNO WINNER-ET	840003013072431						
VISION-GEN TORNAD M13114-ET	USA 70608988						
VISION-GEN UNO BJ14229-ET	USA 71631442						
VISION-GEN UNO BJ14232-ET	USA 71631445						
VISION-GEN UNO BJ14239-ET	USA 71631452						
VISION-GEN UNO BJ14518-ET	USA 71631731						
VISION-GEN UNO BJ14520-ET	USA 71631733						
VISION-GEN UNO BJ14524-ET	USA 71631737						
VISION-GEN UNO BJ14525-ET	USA 71631738						
VISION-GEN UNO DC14300-ET	USA 71631513						
VISION-GEN UNO MI14528-ET	USA 71631741				C		
VISION-GEN UNO MI14529-ET	USA 71631742						
VISION-GEN UNO MI14530-ET	USA 71631743						
VISION-GEN UNO MI14533-ET	USA 71631746						
VISION-GEN UNO MI14540-ET	USA 71631753				C		
VISION-GEN VALENTINE G15049	USA 72924527		C				
VISION-GEN YANO LX14616	USA 71631829		C				
VISION-GEN ZAZU T13527-ET	USA 70609401						
VISION-GEN ZAZU T13534-ET	USA 70609408						
VISION-GEN ZAZU T13536-ET	USA 70609410						
VISION-GEN ZAZU T13544-ET	USA 70609418						
VISION-GEN ZIGGY COR 14067	USA 71631280						
VISION-PECK GLADYS CRI-ET	USA 62769128		C				
VISION-PECK GOLDIE CRI-ET	USA 62769141						
VISION-PECK GRETTA CRI-ET	USA 62769151		C				
VISION-PECK MAS GOLD CRI-ET	USA 62769150						
VISIONAPL GOLDWYN CLAIRE-ET	USA 63082508						1
VISSONS GOLD CHIP VALLEY	USA 72399729						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISSONS MAYFIELD ATTITUDE	USA 72399732						
VISSONS SHOTTLE RISSA-ET	USA 69630437						
VISSONS WAYNE MULAN	USA 72399727						
VISTA-GRANDE MAYFIELD RITZI	USA 71621491			C			
VISTA-GRANDE OBSERVER LILAC	USA 70417676						
VISTA-GRANDE TALENT EDNA	USA 139337075						1
VISTA-LC 1STCLASS 4013	840003131564165						
VISTA-LC AIRNET 3050	840003010269545						
VISTA-LC AIRNET 9444	840003009450166						
VISTA-LC ALCHEMY 3078	840003010269573						1
VISTA-LC BALDWIN 3200	840003010269695	C					1
VISTA-LC BALDWIN 3228	840003010269723						
VISTA-LC BOOKEM 7818	840003004653886						
VISTA-LC BRIGHAM 3944	840003013273437						3
VISTA-LC BRIGHAM 3977	840003013273470						
VISTA-LC BRONO 3363	840003010269858						
VISTA-LC BUENA-ET	840003013273411						3
VISTA-LC CASCADE 3168	840003010269663						
VISTA-LC CASUAL P 4170-ET	840003131564322						
VISTA-LC CASUAL P 4172-ET	840003131564324						
VISTA-LC CHAMPLAIN 3482	840003010269977						
VISTA-LC CHIPPER-P 3540	840003013273033						
VISTA-LC COLT P 7843-RED	840003004653911						
VISTA-LC COLT P 7857	840003004653925						
VISTA-LC COLT P 7864	840003004653932						
VISTA-LC COLT P 7989	840003004654057						
VISTA-LC CSUL 4167PP-RED-ET	840003131564319						
VISTA-LC CUSTOM 7695	840003004653763						
VISTA-LC DAY 3349	840003010269844				C		
VISTA-LC DAY 3369	840003010269864						
VISTA-LC DEARING 4216	840003131564368						
VISTA-LC DEFENDER 3739	840003013273232						
VISTA-LC DEFENDER 3742	840003013273235						
VISTA-LC DELTA 3920	840003013273413						
VISTA-LC DELTA 3943	840003013273436						
VISTA-LC DENIM 3022	840003010269517						
VISTA-LC DENIM 7970	840003004654038						
VISTA-LC DIGGER 7604	840003004653672						
VISTA-LC DOZER 4145	840003131564297						
VISTA-LC DRACO 15006 4189	840003131564341						1
VISTA-LC EMERALD 3036	840003010269531	C					
VISTA-LC EPIC 3101	840003010269596						
VISTA-LC EXPLODE 7969	840003004654037						
VISTA-LC FRANZ 7849	840003004653917	C					
VISTA-LC FREDDIE 7697	840003004653765						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISTA-LC FREDDIE 8445	840003006956814						
VISTA-LC FREDDIE 8534	840003007946859						
VISTA-LC GOLD CHIP 7927	840003004653995						3
VISTA-LC HALOGEN 3658-ET	840003013273151						
VISTA-LC HALOGEN 3664-ET	840003013273157						
VISTA-LC HALOGEN 3667-ET	840003013273160						
VISTA-LC HALOGEN 3688	840003013273181			C			
VISTA-LC HILL 3208	840003010269703						
VISTA-LC IOTA 7797-ET	840003004653865						
VISTA-LC IOTA 7804-ET	840003004653872					C	
VISTA-LC IOTA 7824-ET	840003004653892						
VISTA-LC IOTA 7867	840003004653935						
VISTA-LC IOTA 7923	840003004653991						
VISTA-LC IOTA 7956	840003004654024						
VISTA-LC JABIR 3614	840003013273107						
VISTA-LC JABIR 3695	840003013273188						
VISTA-LC LES 7852	840003004653920						
VISTA-LC MASCOL 4983	USA 63060894						
VISTA-LC MAUI 7987	840003004654055						
VISTA-LC MCCUTCHEN 3291	840003010269786						
VISTA-LC MCCUTCHEN 3354	840003010269849						
VISTA-LC MEGASIRE 3953	840003013273446						
VISTA-LC MOGUL 3146	840003010269641						
VISTA-LC MOGUL 3190	840003010269685						
VISTA-LC MOGUL 3236	840003010269731	C		C			
VISTA-LC MOGUL 3248	840003010269743						
VISTA-LC MOGUL 3252	840003010269747						
VISTA-LC MOGUL 3261	840003010269756						
VISTA-LC MONTEREY 3899	840003013273392						
VISTA-LC MONTEREY 4130	840003131564282						
VISTA-LC MONTROSS 3774-ET	840003013273267						
VISTA-LC MONTROSS 3778-ET	840003013273271						
VISTA-LC MONTROSS 3785	840003013273278						
VISTA-LC MUSCADET 3993	840003013273486						
VISTA-LC MUSCADET 3995	840003013273488						
VISTA-LC MUSCADET 4007	840003131564159					C	
VISTA-LC NUMERO UNO 3186	840003010269681						
VISTA-LC NUMERO UNO 3210-ET	840003010269705						
VISTA-LC NUMERO UNO 3478	840003010269973						
VISTA-LC O-MAN 4270	USA 61584881						
VISTA-LC OAK 3390	840003010269885						
VISTA-LC OAK 3404	840003010269899						
VISTA-LC OAK 3413	840003010269908					C	
VISTA-LC OBSERVER 7666	840003004653734						3
VISTA-LC PARADISE 3184	840003010269679						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VISTA-LC PETRONE 3147	840003010269642						
VISTA-LC PLANET 7414	840003004411121						
VISTA-LC PLANET 7756	840003004653824						
VISTA-LC PUNCH 3130	840003010269625						
VISTA-LC PUNCH 3188	840003010269683						
VISTA-LC REDBURST 3085-TW	840003010269580		C				1
VISTA-LC RELIEF P 3518	840003013273011						
VISTA-LC SAJAC 3265-ET	840003010269760						
VISTA-LC SAMOA 7906	840003004653974			C			
VISTA-LC SHAMROCK 3185	840003010269680						
VISTA-LC SHAMROCK 3194	840003010269689						
VISTA-LC SHAMROCK 3273	840003010269768						
VISTA-LC SHAMROCK 7838	840003004653906						3
VISTA-LC SHAMROCK 9243	840003009449965						
VISTA-LC SHIMMER	840003131564225						
VISTA-LC SPARK 4165	840003131564317						
VISTA-LC SPARK 4171-ET	840003131564323						
VISTA-LC SPRING 3917-ET	840003013273410						3
VISTA-LC SPRING 3919-ET	840003013273412						
VISTA-LC SPRING 3922-ET	840003013273415						
VISTA-LC SUPER 7497	840003004411204						
VISTA-LC SUPER 7555-ET	840003004653623						
VISTA-LC SUPERSIRE 3378	840003010269873						
VISTA-LC SUPERSIRE 3396	840003010269891						
VISTA-LC SUPERSIRE 3421	840003010269916						
VISTA-LC SUPERSIRE 3441	840003010269936						
VISTA-LC TALENT 4186	USA 61584797						1
VISTA-LC TANGO 3609	840003013273102						
VISTA-LC TANGO 3618	840003013273111		C				
VISTA-LC TANGO 3720	840003013273213						
VISTA-LC THRONE 3967	USA 60739470	C					
VISTA-LC TROY 3877-ET	840003013273370						3
VITAL-I KITE RAVEN	USA 65801027						
VITAL-I OUTSIDE ASHLEA-ET	USA 63437380						
VKF BRICK 499	840003129889076						
VKF MCNUGTS 500	840003129889077						
VKF SHOTTBOLT 491	840003129889068						
VKF TRUMP 501	840003129889078						
VOGUE SILVER BIKINI-ET	CAN 12186979			C			
VOGUE SILVER BIRCH	CAN 12186946			C			
VOGUR DOORSOPEN SHADOW-ET	CAN 12187003					C	
VOIGHT-ACRES DURHAM CADYN	USA 139441691						
VOIGHT-ACRES LOU RHONDA-ET	USA 138510686						
VOIGHT-ACRES ROY PRINCES-ET	USA 136074337						
VOIGTSCREST BRADNICK GEMMA	840003123915795						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VOIGTSCREST BURNS STAR-ET	USA 139565287	C	C				4
VOIGTSCREST NAYLYNN-ET	USA 70662443	C					
VOIGTSCREST TALENT SAHARRAH	USA 138672522						1
VON-VIEW 754 LADY-P-RED-ET	USA 72399206						3
VON-VIEW ATWOOD JAZZ 728	USA 71240977						
VON-VIEW ATWOOD REESE 817	USA 72399269						
VON-VIEW ATWOOD SADDIE 706	USA 71240955						
VON-VIEW BONNE 283	USA 63525207						1
VON-VIEW BRAXTON BEAUTY-TW	USA 70096396						
VON-VIEW BRAXTON BETTY-TW	USA 70096397						
VON-VIEW C P-AMERICA-ET	USA 71240927						
VON-VIEW C-P MAMMA 680-ET	USA 71240929						
VON-VIEW CAMELOT DONNA 668	USA 71240917						
VON-VIEW CAMELOT SARENA 647	USA 70096413						
VON-VIEW CHAMPION BONNIE	USA 61934329						
VON-VIEW CYPRUS MERRI 622-TW	USA 70096388						
VON-VIEW CYPRUS MIA 623-TW	USA 70096389						
VON-VIEW GCHIP BRENN 814-ET	USA 72399266						
VON-VIEW KINGBOY REGAN-PP	USA 74464389						
VON-VIEW KINGBOY RIVA-PP-ET	USA 74464392						
VON-VIEW LADD P RUDE 753-ET	USA 72399205						
VON-VIEW LITHIUM KARSON 760	USA 72399212					C	
VON-VIEW PLANET PRISSE 666	USA 71240915						
VON-VIEW SANCHEZ BONNIE 618	USA 70096384						3
VON-VIEW SHAMROCK SARA 649	USA 70096415						
VON-VIEW SHAMROCK SARA-ET	USA 71240930						
VON-VIEW SHAMROCK SUZY 742	USA 71240991						
VON-VIEW SUPER SUE 778-ET	USA 72399230						
VONBURG MAROON NINA	CAN 9248118						
VONNY MASSEY 14813	840003124622302						
VONS-HILLVIEW GOLDWYN GRETA	USA 140603343	C					1
VONS-ZAST DUCE DIVA-RED	USA 142034495						
VOSBERG MR METAL SHERI	USA 142723182						
VOSTERS ALTAMETEOR ABBIE	USA 70546516		C				
VOSTERS OSMOND EDITH	USA 68643444						
VOXS VIXEN OF WILLOLEA	USA 139535848		C				3
VPI BEACON 4092 WAWA	USA 69545588			C		C	
VPI BEACON 4658 WINNIE	USA 69545598					C	
VPI BO 8546 4662	USA 68533638						
VPI BO 8609 8711	USA 68533695						
VPI BOGART 4442 TULLY	USA 69545466						
VPI BOLTON 4605 VIVA	USA 69545538						
VPI BOLTON DELLA NALENE	USA 63787601						
VPI BRETON BONNIE KRIS	USA 136649689						
VPI BRETON CHANCE HOPE	USA 134883807			C			

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VPI BRONCO 4592 VOLUSIA	USA 69545564			C			
VPI BRONCO 4645 WIND	USA 69545602						
VPI BRONCO 4687 WIKI	USA 71005731						
VPI CABRIOLET 5030 5431	USA 73484946						
VPI CABRIOLET 5115 5514	840003131878925						
VPI CABRIOLET 5219 5459	840003131878870						
VPI CABRIOLET 5237 5478	840003131878889						
VPI CABRIOLET 5273 5522	840003131878933						
VPI CABRIOLET RAIN 5287	USA 73484802						
VPI CABRIOLET RAIN 5415	USA 73484930						
VPI CABRIOLET TALLI 5420	USA 73484935						
VPI DAMARIS 5265 5520	840003131878931						
VPI DANE KABUKI GLORIA	USA 134883768						
VPI DARREN MAITAI QUILL	USA 66090727						
VPI DENIM 4442 BRISA	USA 71996561						
VPI DENIM 4518 BELINDA	USA 71005814						
VPI DENIM 4519 BOBBI	USA 71996536						
VPI DENIM 4797 BONNIE	USA 71005800						
VPI DENIM 5045 5299	USA 73484814						
VPI DENIM 5060 5317	USA 73484832						
VPI DOMINGO 4518 TRIXIE	USA 69545451						
VPI ENCINO HONOR MARY	USA 63787549						
VPI FREDDIE 4427 WINTA	USA 69545606						
VPI FREDDIE 4576 VIC	USA 69545541						
VPI FREDDIE 4682 WISCONSIN	USA 71005723						
VPI HALOGEN VERA 5401	USA 73484916						
VPI HAYDEN 4427 TINY	USA 69545476						
VPI HAYDEN 4562 VICTORIA	USA 69545523						
VPI HILL 4722 TASSI	USA 69545477						
VPI JACEY 5056 5328	USA 73484843						
VPI JACEY TYRA 5312	USA 73484827						
VPI JAKE 5044 5311	USA 73484826						
VPI JAKE 5176 5414	USA 73484929					C	
VPI JITTERBUG 4682 5360	USA 73484875						
VPI JITTERBUG SHERYL 5330	USA 73484845						
VPI JITTERBUG TINY 5308	USA 73484823						
VPI JITTERBUG WISCONS 5324	USA 73484839						
VPI JIVES 4781 ASTA	USA 71005772						
VPI LEVI 4758 ARLETA	USA 71005768						1
VPI LOTTO 4515 TEVY	USA 69545461						
VPI LOTTO MARY QUIVER	USA 66090707						
VPI MARCELLUS 4549 TWITTER	USA 69545494						
VPI MATCHES NANCY QWEST	USA 66090736						
VPI MIKE GARLAND ENA	USA 133805033						
VPI MOGUL 5055 5301	USA 73484816						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VPI MOGUL 5086 5339	USA 73484854						
VPI MOGUL 5095 5341	USA 73484856						
VPI MOGUL 5113 5383	USA 73484898						
VPI MURPHY 8432 TIPSYP	USA 68533691						
VPI O-STYLE 4761 AVIAN	USA 71005779			C			
VPI OBSERVER 4483 VERNA	USA 69545562						
VPI PEYTON JULIET CAMAY	USA 130890911						
VPI PLANET 4662 ALPINE-TW	USA 71005753						
VPI PLANET 4663 VASILIA	USA 69545537						
VPI PLANET 4719 APRIL	USA 71005759						
VPI PLANET 4785 BECAUSE	USA 71005817			C			
VPI PLANET 4793 BELLA	USA 71005792						
VPI PLANET 4815 BARRIE	USA 71005815						
VPI PLANET 4850 BIDDY	USA 71996551					C	
VPI PLANET 5030 5295	USA 73484810						
VPI PLANET 5047 5286	USA 73484801						
VPI PREDESTINE ALANNA 5365	USA 73484880						3
VPI PREDESTINE SADDIE 5357	USA 73484872						
VPI PREDESTINE VASILIA 5273	USA 73484788						
VPI RODGERS 5066 5495	840003131878906						
VPI RODGERS 5208 5485	840003131878896						
VPI RODGERS ASTA 5397	USA 73484912						
VPI RODGERS AVIAN 5390	USA 73484905			C			
VPI RODGERS VOLUSIO 5450	USA 73484965						
VPI SATURN KABUKI EARTH	USA 133220467						
VPI SHAMPOO 8626 TORI	USA 69545458						
VPI SHAMROCK 4641 BROOK	USA 71996571						
VPI SHAMROCK 4679 BAVANA	USA 71996568						
VPI SHAMROCK 4682 BRYN	USA 71996562						
VPI SHAMROCK 4800 BECCA	USA 71005820						
VPI SHAMROCK 4805 BEV	USA 71996531						
VPI SHAMROCK 4816 BRIAR	USA 71996532						
VPI SHOTTLE 4728 VIOLET	USA 69545511					C	
VPI SOCRATES 4372 POLLYANNA	USA 66090693						
VPI SOCRATES 4547 TOPPER	USA 69545465						
VPI SPEAKEASY DEBBIE DELLA	USA 131531747						
VPI SUPER 4211 VIXEN	USA 69545546						
VPI SUPER 4662 VELMA	USA 69545539						
VPI SUPERSIRE 5085 5329	USA 73484844						
VPI SUPERSIRE 5126 5395	USA 73484910						
VPI SUPERSIRE OPRAH 5343	USA 73484858						
VPI SUPERSIRE RACHEL 5362	USA 73484877						
VPI SUPERSIRE TEVY 5325	USA 73484840						
VPI SUPERSIRE VELMA 5402	USA 73484917						
VPI SUPERSIRE VICTORI 5265	USA 73484780						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VPI SUPERSIRE WIND 5320	USA 73484835						
VPI TOYSTORY 3975 007	USA 64838648						
VPI TOYSTORY 8617 8720	USA 68533696						
VPI TOYSTORY 9106 8757	USA 68533699						
VPI TOYSTORY CAMAY NORAH	USA 63787580						
VPI TRENT CAM FAITH	USA 133834378						
VPI TRES 8463 8745	USA 68533698						
VPI TRES EARTH NATASHA	USA 63787603						
VPI TRIGGER 4236 WREN	USA 69545591					C	
VPI TROY 5075 5503	840003131878914					C	
VPI TROY 5138 5512	840003131878923						
VPI TROY SPIRIT 5396	USA 73484911						
VPI TYREL 8418 8626	USA 68533688						
VPI WIZARD 546 8628	USA 68533690						
VRIESDALE GOLDWYN LOTTO	CAN 7584937	C					
VT-POND-VIEW A WONDER-ET	USA 72352742						
VT-POND-VIEW AD ALI-ET	USA 69751624						
VT-POND-VIEW ADEEN-ET	USA 141675888						
VT-POND-VIEW ADV CHARLOTTE	USA 139377185						
VT-POND-VIEW ADV SHANIA-ET	USA 63017020						
VT-POND-VIEW ALEX LORNA-ET	USA 71079688						
VT-POND-VIEW ATWOOD LADY-ET	USA 141962513						
VT-POND-VIEW BLVA MACY-ET	USA 139788237						
VT-POND-VIEW DES ANITA-ET	USA 70698870						
VT-POND-VIEW DUNDE PEACE-ET	USA 137152753						
VT-POND-VIEW DUR SUKI-ET	USA 140482993						
VT-POND-VIEW GOLD AMBER-ET	USA 65785842						
VT-POND-VIEW GOLD ANGEL-ET	USA 139512234						1
VT-POND-VIEW GOLD APEX-ET	USA 62983888						
VT-POND-VIEW GOLD APRIL-ET	USA 141456597						
VT-POND-VIEW GOLD ASHLYN-ET	USA 141456609						1
VT-POND-VIEW GOLD AUTUMN-ET	USA 140756144						
VT-POND-VIEW GOLD MATTIE-ET	USA 62983890						
VT-POND-VIEW GUTHRIE SUN-ET	USA 142346651						
VT-POND-VIEW GW ALLISON-ET	USA 139118908						
VT-POND-VIEW JAS DESI-ET	USA 139885895						3
VT-POND-VIEW JAS LIBERTY-ET	USA 139766567						3
VT-POND-VIEW JORDN LUCKY-ET	USA 71079636						
VT-POND-VIEW KTE CROUTON-ET	USA 69149142						
VT-POND-VIEW MILAN BELLE	USA 129266619	C					
VT-POND-VIEW REAL ROSA-RED	USA 142060036						1
VT-POND-VIEW ROY MERI	USA 140350487						
VT-POND-VIEW RUBENS LILYANA	USA 133203747						
VT-POND-VIEW S ALLIE-ET	USA 72416621						
VT-POND-VIEW S SALLY-ET	USA 69751596	C				C	

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VT-POND-VIEW SC LEGEND-ET	USA 136302258						
VT-POND-VIEW SEAVER AMY-ET	USA 71079638						1
VT-POND-VIEW SEAVER ANDI-ET	USA 71079639						1
VT-POND-VIEW SHAMROCK AGNES	USA 141931258						1
VT-POND-VIEW SHOT BELLE-ET	USA 66677082	C				C	
VT-POND-VIEW SHOT MARVEL-ET	USA 69348352						
VT-POND-VIEW SUNRISE-RED-ET	USA 71820109						
VT-POND-VIEW SUNSET-RED-ET	USA 71820116						
VT-POND-VIEW UNO ALICE-ET	USA 72416637						
VT-POND-VIEW UNO ALLURE-ET	USA 72416638						
VT-POND-VIEW UNO DELIA-ET	USA 72416636						
VT-VALLEY DANCER CARMEN	USA 73183282						1
VT-VALLEY ROY FAMOUS	USA 65806286						
VTC BOLTON 754 POPPER	USA 65423480						
VTC DESTRY 107 DUTCH	USA 72881806						1
VTC FBI 711 JASMINE-ET	USA 63407668						
VTC PENNYMAKER 104 BUDAH	USA 72881803						
VTC PTS CALLICA-ET	USA 68593054						
VTC TRIGGER 102 ABBA	USA 72881801					C	
VTF ALTAACCLM 3889 KONG	USA 136805377						
VTF ARCHERY LAURIE QUASAR	USA 66090731						
VTF BEST DELORA INDEX	USA 135852620						
VTF BOGART 4438 TROOPER	USA 69545469			C			
VTF BOGART 4534 WYNONA	USA 69545599			C			
VTF BOLTON 4600 VANITY	USA 69545542						
VTF BOONE INK LOLLIPOP	USA 137723999						
VTF BRIGHT LIZABETH	USA 137724039						
VTF BRONCO 4330 VANESSA	USA 69545536			C			
VTF BRONCO 4418 WHISPER-TW	USA 69545594			C		C	
VTF BRONCO 4418 WHOOP-I-TW	USA 69545595					C	
VTF BRONCO 4422 VIVKI	USA 69545555			C			
VTF BRONCO 4470 TYROD	USA 69545496			C			
VTF CABRIOLET 4765 5260	USA 73484775						
VTF CABRIOLET 5125 5403	USA 73484918						
VTF CABRIOLET 5127 5391	USA 73484906						
VTF CABRIOLET 5209 5451	USA 73484966						
VTF CABRIOLET 5212 5482	840003131878893						
VTF CABRIOLET 5246 5491	840003131878902						
VTF CABRIOLET SHER 5479	840003131878890						
VTF CASSINO 4221 TROUBLE	USA 69545485						
VTF DAKOTA KARA NEMO	USA 63787593	C					
VTF DENIM 4418 BETT	USA 71996569						
VTF DENIM 4534 BRODIE	USA 71996548						
VTF DENIM 5057 5300	USA 73484815						
VTF DUCE MAVERIC KYLIE	USA 137723962						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VTF FREDDIE 4403 STELLA	USA 69545441						
VTF FREDDIE 4609 VIRGO	USA 69545533						
VTF FREDDIE 4647 WILLOW	USA 69545601						
VTF FREDDIE 4654 WILEMINA	USA 69545612						
VTF HALOGEN 4950 5463	840003131878874						
VTF HALOGEN 5036 5424	USA 73484939						
VTF HALOGEN 5057 5439	USA 73484954						
VTF HALOGEN 5160 5432	USA 73484947						
VTF HALOGEN 5221 5475	840003131878886						
VTF HAYDEN 4534 TEXAS	USA 69545462						
VTF HAYDEN 4558 TANYA	USA 69545484						
VTF JACEY 4943 5314	USA 73484829						
VTF JACEY 5171 5410	USA 73484925						
VTF JACEY TULIP 5345	USA 73484860						
VTF JAKE 5153 5400	USA 73484915						
VTF JAKE 5211 5454	840003131878865						
VTF JEEVES 4257 VALLEY	USA 69545524						
VTF JITTERBUG APPLE 5367	USA 73484882						
VTF JITTERBUG WHOOP! 5346	USA 73484861						
VTF JIVES 4590 BEAUTY	USA 71005793						
VTF LEVI 4654 BRIEL	USA 71996573			C			
VTF LOTTO LIPSTIC PEACE	USA 66090690						
VTF LOTTO MEDLEY QUOTA	USA 66090730						
VTF LOTTO MOONSHI QUAKE	USA 66090721						
VTF LOTTO NINA QUICKEN	USA 66090740						
VTF LUCENTE DANA IDA	USA 136911306						
VTF LUCENTE SUITE ILENE	USA 135575965						
VTF MATCHES GLENDA LAKE	USA 137724002						
VTF MOGUL 5098 5381	USA 73484896						
VTF O-STYLE 4766 BIANCA	USA 71005810			C		C	
VTF O-STYLE 4767 ANDIE	USA 71005782			C			
VTF OBSERVER 4525 VILMA	USA 69545569						
VTF PERRY 4468 BERRY	USA 71996535						
VTF PLANET 4474 TAYLOR-TW	USA 69545490						
VTF PLANET 4474 THELMA-TW	USA 69545491						
VTF PLANET 4647 BLUM	USA 71996538						
VTF POMEROY DYANE QUIKRETE	USA 66090743						
VTF PREDESTINE 4982 5384	USA 73484899			C			
VTF PREDESTINE 5175 5413	USA 73484928			C			
VTF PREDESTINE ANNE 5389	USA 73484904						3
VTF PREDESTINE ANNIE 5380	USA 73484895						3
VTF PREDESTINE SHER 5307	USA 73484822						
VTF PUZZLE 6 5304	USA 73484819						
VTF ROBUST 4422 BRANDY	USA 71005806						
VTF RODGERS 5062 5490	840003131878901						

**Cows' status 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**

Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
VTF RODGERS 5113 5499	840003131878910						
VTF SHAMPOO 4468 VESPER	USA 69545558						
VTF SHAMROCK 4823 BETH	USA 71996533						
VTF SHAMROCK 4881 BRICE	USA 71996574						
VTF SHARKY 1585 NARNIA	USA 64838607						
VTF SHARKY 4160 ORCHA	USA 64838632						
VTF SHOTTLE ILENE NAOMI	USA 63787588						
VTF SOCRATES 4510 TULIP	USA 68533721						
VTF SUPER 4438 APPLE	USA 71005737						
VTF SUPER 4621 VLADISLAVA	USA 69545563						
VTF SUPERSIRE 4993 5280	USA 73484795						
VTF SUPERSIRE 5059 5342	USA 73484857						
VTF SUPERSIRE 5123 5377	USA 73484892						
VTF SUPERSIRE 5251 5519	840003131878930						
VTF SUPERSIRE VICKI 5278	USA 73484793			C			
VTF TRENT ALEXA FAMOUS	USA 133914618						
VTF TRIGGER 4559 WENNA	USA 71005730						
VTF TROY 4943 5481	840003131878892						
VTF TROY 4946 5473	840003131878884			C			
VTF TROY 5097 5483	840003131878894			C			
VTF TROY 5210 5461	840003131878872						
VTF TROY 5260 5510	840003131878921						
VTF TROY ABIGAIL 5496	840003131878907						
VTF TROY AMARYLL 5388	USA 73484903						
VVH ISA 12	NLD 546428825			C		C	