

**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
O-BEE AARON JINNIE-ET	USA 130006677						
O-BEE AL IVIS	USA 140648225						
O-BEE AL KYLIE	USA 141004950						
O-BEE ALAN INEZ-ET	USA 141044574						
O-BEE ALAN KRISTEN-ET	USA 140678888						
O-BEE ASHLAR KARMELE-ET	USA 140532924						
O-BEE ASHLAR KARMEN-ET	USA 140532915						1
O-BEE BEACON ISABEL-ET	USA 141329620						
O-BEE BEACON ISADORA-ET	USA 141329639						
O-BEE BILLINGS CARRIE	USA 143085775						
O-BEE BOGART BAMBI	USA 140761799			C			
O-BEE BOGART ILANA-ET	USA 140464320			C			
O-BEE BOGART INDIA-ET	USA 140464311						
O-BEE BOGART KARLA-ET	USA 140678851						
O-BEE BOLIVER KLASSY	USA 136697356						
O-BEE BOLIVER KRISTY	USA 139462351						
O-BEE BOXER VERONICA	USA 141004941						
O-BEE BUCKEYE JENNIE	USA 137898648						
O-BEE BW MARSHLL JOLIE-ET	USA 131601419			C			
O-BEE CHIPPER TWINKLE-P	USA 142861301						
O-BEE CHRISTMAS CAROL	USA 143489355						
O-BEE CM KIMBERY	USA 141993980						
O-BEE COLBY KARLY	USA 139582626						
O-BEE DECEIVER ISSY	USA 143490942						
O-BEE DEFENDER KLAIRE	USA 143262169						
O-BEE DIENER KELLY	USA 143033451						
O-BEE DOBERMAN ITHICA	USA 141766407						
O-BEE DOBIE BAMBI	USA 141919373			C			
O-BEE DORCY IBBY	USA 142525234						
O-BEE EMERALD KALI	USA 141993953		C				
O-BEE FANCY GARTER	USA 137783085			C			
O-BEE FANCY O-MAN	USA 135687570			C			
O-BEE FANTASY BEACON-ET	USA 141185817						
O-BEE FREDDIE BAVACA	USA 140821138						
O-BEE GOLD CHIP BRONZE	USA 142045877						
O-BEE GOLD CHIP KARRIE	USA 141997630						
O-BEE GOLD CHIP KATHRYN-ET	USA 141689553						
O-BEE GW ATWOOD ISABEL	USA 143624897						
O-BEE HALOGEN BESS	USA 143413864						
O-BEE HEADLINER FIFI	USA 142657665						
O-BEE HEADLINER KAY	USA 142428751						
O-BEE HILL DOVE	USA 142744767						
O-BEE HILL KALA	USA 142744730		C				
O-BEE HILL KARLY	USA 142842915						
O-BEE HLINER TWINKLE-ET	USA 142390098						

**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
O-BEE HOWIE KALEY-ET	USA 139852275	C					
O-BEE INDIANA JANNA	USA 140822773						
O-BEE INDIANA KEISHA-ET	USA 140755385						1
O-BEE INDIANA KRISTINA-ET	USA 140755367			C			1
O-BEE ISAAC KANDANCE	USA 143125615						
O-BEE KINGBOY KIM	USA 143501015		C				
O-BEE KINGBOY KIWI	USA 143597555						
O-BEE KINGBOY KORGIE	USA 143624981						
O-BEE KINGBOY LUELLA-ET	USA 143262310						
O-BEE KLEVE KLARICE	USA 142497209						
O-BEE KLEVE KLEO	USA 142566457	C					
O-BEE KRUSADER ASHLYN-ET	USA 141543091	C					
O-BEE KRUSADER DANA	USA 142566439	C					
O-BEE KRUSADER ILLONE	USA 143033497	C					
O-BEE KRUSADER INGRID-ET	USA 141329657			C			
O-BEE KRUSADER KAYLA-ET	USA 141496081						
O-BEE KUTLER JUSTINE	USA 142190894						
O-BEE LEGEND KATHERINE-ET	USA 140464290						
O-BEE LEGEND KATHLEEN-ET	USA 140464302						1
O-BEE LEGEND KATHY-ET	USA 140464281						
O-BEE LEXOR KONSTANCE-ET	USA 142631777						
O-BEE LOREN IDALINE	USA 142430291						
O-BEE LOREN ISAMIE	USA 142497151						
O-BEE MAGIC JASMINE-ET	USA 130275776						
O-BEE MAGNUS BETHANY-ET	USA 142015269						
O-BEE MAN-O-MAN IMOLA-ET	USA 140707364						
O-BEE MAN-O-MAN ISHA-ET	USA 140822782						
O-BEE MAN-O-MAN JACIE	USA 140639210						
O-BEE MAN-O-MAN KORRIE-ET	USA 141143563	C					
O-BEE MANAGER IDEAL-ET	USA 138960762						
O-BEE MANAGER INCA-ET	USA 138960735						
O-BEE MANAGER INDIGO-ET	USA 138960726						
O-BEE MANAGER IVA-ET	USA 138960744						
O-BEE MANO TWINKLE-ET	USA 141802129						1
O-BEE MASSEY KIMBERLY	USA 143155250						
O-BEE MAYFIELD ILEANA	USA 142525195						
O-BEE MCCUTCHEN KARA	USA 143554572						
O-BEE MILES KARMEN	USA 143468088						
O-BEE MILLION KAI-ET	USA 140707234		C				1
O-BEE MILLION KALICO-ET	USA 140707337		C				1
O-BEE MILLION KALLEN-ET	USA 140707298						
O-BEE MILLION KAMELOT-ET	USA 140766664		C				
O-BEE MILLION KAMEO-ET	USA 140707346						1
O-BEE MILLION KANDACE-ET	USA 140707243						
O-BEE MIXER ILLENE	USA 142566505						

**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
O-BEE MIXER IRESHA	USA 142190885			C			
O-BEE MIXER KERRY	USA 142888713	C					
O-BEE MODESTO IVANNA	USA 143501109						
O-BEE MOGUL ADDISON	USA 142339312						
O-BEE MOGUL BAMBI	USA 142428706						
O-BEE MOGUL BESSIE	USA 142402407						
O-BEE MOGUL BREE-ET	USA 142046083						
O-BEE MOGUL JEN	USA 143421908						
O-BEE MOGUL KAI	USA 143501097						
O-BEE MOGUL KARLOTTA	USA 142402386						
O-BEE MOGUL KASSIE-ET	USA 142046065						1
O-BEE MOGUL KIMMIE-ET	USA 142046074						1
O-BEE MOGUL KITTIE-ET	USA 142046104						1
O-BEE MOGUL KRISSIE-ET	USA 142046113						
O-BEE MOM TWINKIE-ET	USA 141894834						
O-BEE MONTROSS KALEY	USA 143490979		C				
O-BEE MONTROSS KASSEY	USA 143554527						
O-BEE OBS BETTY	USA 71528590						
O-BEE OCOSMO ALLIE-ET	USA 142445538						
O-BEE OLEGANT KARA	USA 142402359						
O-BEE OMAN BABE	USA 135292521						
O-BEE OMAN BRI	USA 135241169						
O-BEE OMAN BRIELLE	USA 136526254						
O-BEE OMAN ICY-ET	USA 139071883						
O-BEE OMAN INDY-ET	USA 139057184			C			
O-BEE OMAN IRMINA-ET	USA 139397992			C			
O-BEE OMAN IVORY-ET	USA 139071865						
O-BEE OMAN KLARA-ET	USA 139414938						1
O-BEE OMAN KLOE-ET	USA 136708036						
O-BEE PLAN VICTORIA	USA 142190942						
O-BEE PLANET BREEZE	USA 140821213						
O-BEE PLANET BRIELLE	USA 139708491						
O-BEE PLANET IDELIA	USA 142744758						
O-BEE PLANET JENNY-ET	USA 140263433						
O-BEE PLANET KOUNTESS-ET	USA 139986215						
O-BEE PREDESTINE INDIANA-TW	USA 142888553						3
O-BEE PRONTO ILA-ET	USA 139294806						
O-BEE RAY INDIRA	USA 142631722						
O-BEE RAY IVORY	USA 142657601						
O-BEE ROBUST ILMA	USA 141534415						3
O-BEE SAMMY DINA	USA 143501024						
O-BEE SHAMROCK INA	USA 143155205						
O-BEE SHAMROCK JINNIE	USA 142133064						
O-BEE SHAMROCK KAILA	USA 141914538						
O-BEE SHAMROCK KARLA-ET	USA 141689508						

**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
O-BEE SHAMROCK KARLEEN-ET	USA 141689517						
O-BEE SHAMROCK KARON-ET	USA 141689535						
O-BEE SHAMROCK KERRA	USA 141997649						
O-BEE SHAMROCK KRISTA	USA 141993896						
O-BEE SHAN KAMMIE-ET	USA 142525328		C				
O-BEE SHAN KRIS	USA 142525216						
O-BEE SHAQ STEPHANIE-RED	USA 140838217					C	
O-BEE SHOT ILIA	USA 141855707			C			
O-BEE SHOTTLE KOLLEEN-ET	USA 138352370	C					
O-BEE SNOWMOBIL KATHY	USA 142842885			C			
O-BEE SNOWMOBIL KOMET	USA 143085748			C			
O-BEE SOCRATES KLAIRE-ET	USA 139669404						1
O-BEE SUPER KONSTANCE-ET	USA 140909159	C					
O-BEE SUPER KRISTIE	USA 142842894			C			
O-BEE SUPER TEBOW-ET	840003008967543						1
O-BEE SUPER TERRI-ET	840003008967542						
O-BEE SUPER TWANG-ET	840003008967481						
O-BEE SUPER TWIL-ET	840003008967550						
O-BEE SUPER TWINK-ET	840003006537287						1
O-BEE SUPERSIRE ASHLYN-ET	USA 142339303						3
O-BEE SUPERSIRE ISABELLA	USA 142428779						
O-BEE SUPERSIRE SAMANTHA-ET	USA 142584815	C					
O-BEE TABLE IRMOINE	USA 142888526			C			
O-BEE TANGO JINNIE	USA 143217954						
O-BEE TANGO KAROL	USA 142888508						
O-BEE TANGO RAVEN	USA 143468097		C				
O-BEE TITANIC ILSA-ET	USA 135551181						
O-BEE WATSON BRANDY-TW	USA 142888496			C			
O-BEE WATSON BRAVA-TW	USA 142888487			C			1
O-BEE WATSON IVA	USA 142888562			C		C	
O-BEE ZIGGY BRIDGET	USA 142190867						
O-BEE ZIGGY KONNIE	USA 142038725						
O-C-E-C ATWOOD INK-ET	USA 74154585						
O-C-E-C ATWOOD INUX-ET	USA 74154574						
O-C-E-C ATWOOD IXUE-ET	USA 74154573						
O-C-E-C DUNDEE BOSTON-ET	USA 141703354						
O-C-E-C DUSK ICE-RED-ET	USA 74154587						
O-C-E-C DUSK IGLOO-ET	USA 74154586						
O-C-E-C FEVER MINNIE-ET	840003010974973	C					
O-C-E-C G W ATWOOD RAVEN-ET	USA 71805766						
O-C-E-C G W ATWOOD RUSH-ET	USA 71805774						
O-C-E-C GOLDWYN RASELLA-ET	USA 141327646						3
O-C-E-C HERO 883-ET	USA 72479190		C				
O-C-E-C HERO AVILAH-ET	840003131924736						
O-C-E-C HERO RACHELLE-ET	USA 74093514						

**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
O-C-E-C RUDOLPH BETHANNE-ET	USA 17380500						
O-C-E-C SHOTT RIO GRANDE-ET	840003008315967		C			C	
O-C-E-C SHOTTLE MARIA-ET	USA 141280017	C				C	
O-C-E-C SHOTTLE RACHELLE-ET	USA 141373290						
O-C-E-C SID RACHELLE-ET	840003013713312		C				
O-C-E-C TALENT CHARM-ET	840003126536504						
O-C-E-C TALENT FELINA-ET	USA 66893930						
O-C-S-DAIRY SANDY CINDY	USA 142378654						
O-KOP RUBENS STAR	USA 135830736						
O-KRESS-HILL ATWD RAYLEE-ET	USA 72916194						
O-KRESS-HILL ATWOD RIZZO-ET	USA 72916173					C	
O-KRESS-HILL ATWOD RODEO-ET	USA 72916158					C	
O-KRESS-HILL ATWOD RUMOR-ET	USA 72916172						
O-KRESS-HILL ATWOOD RAIN-ET	USA 72916193						
O-KRESS-HILL ATWOOD RENO-ET	USA 74308092					C	
O-KRESS-HILL DF RICHLINN-ET	USA 74308091					C	
O-KRESS-HILL DFNDER ROSE-ET	USA 72916212					C	
O-KRESS-HILL RHINESTONE-ET	USA 72916152					C	
O-KRESS-HILL SS RANDI-ET	USA 72916195						
O-KRESS-HILL SS RILYNN-ET	USA 72916198						
O-KRESS-HILL SS ROZLYN-ET	USA 72916196						
O-RICH-HERD PORSHA-RED	USA 142360622						
OAK-LAN RUBENS PURDY	USA 138000648						
OAK-MEADOWS DEMPSEY LORNA	USA 70591226						
OAK-RIDGE-K AWOOD TORI-ET	USA 142784961						
OAK-RIDGE-K LATH DIAMOND-ET	USA 142576007						1
OAK-RIDGE-K LAUTH DAZZLE-ET	USA 142781593						
OAK-RIDGE-K LAUTH DREAM-ET	USA 142722798						
OAK-RIDGE-K WBRK MALLORY-ET	USA 142784804						1
OAK-RIDGE-K WBROOK TESSA-ET	USA 143381291						
OAK-RUN FINAL CUT IVY	USA 141369954						
OAK-RUN MILAN KALLY	USA 134912570	C					
OAKBOURNE EMERALD EMMYLOU	USA 72591377						
OAKBOURNE GARRETT GARLIC	USA 69431316						
OAKBOURNE GEROT GUAVA	USA 72591372						
OAKBOURNE LARGE LEGACY	USA 72591378						
OAKBOURNE SHOTTL STRAWBERRY	USA 69431285						
OAKENBOUNDII MTO AVALON-TW	USA 61516495						
OAKFIELD ABSOLUTE 3206-RED	840003124024495						1
OAKFIELD ABSOLUTE EMBER-ET	840003013463990						
OAKFIELD ADM BRIGHT IDEA-ET	840003009533357						
OAKFIELD ADMI BRYNN 7705-ET	840003009533525		C				
OAKFIELD AFTERSHCK AIMEE-ET	840003013464577						1
OAKFIELD ALCHEMY SASSY-ET	840003009533694						
OAKFIELD ALCO LOVY 35121-ET	840003133106411						

**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
OAKFIELD ALLEN BRITTA-ET	USA 62293862		C				
OAKFIELD ALRIGHT 34264	840003131668428						
OAKFIELD ARMANI TESLA-ET	840003127422452						3
OAKFIELD ARMITAG BONFIRE-ET	840003009533050						
OAKFIELD AS LEMONADE-ET	840003013463795						
OAKFIELD ASHBURN BELLA	840003013464608						
OAKFIELD AT LAVENDER-ET	840003013463730						
OAKFIELD ATW TEMPLE-ET	840003127422428						
OAKFIELD ATWOOD BONAFIDE-ET	840003010974917						
OAKFIELD ATWOOD BRING IT-ET	840003011889945		C				
OAKFIELD ATWOOD HAILEY-ET	840003006989017						
OAKFIELD ATWOOD HORIZON-ET	840003006988913						
OAKFIELD ATWOOD MS DAISY-ET	840003127422072						
OAKFIELD ATWOOD RIKKI-ET	840003006989320						
OAKFIELD BABYS BREATH-ET	840003013463721						
OAKFIELD BENELLI TWIZZLE-TW	840003009533567						
OAKFIELD BIRDOFPARADISE-ET	840003013463720						
OAKFIELD BLUE LAGOON-ET	840003006989055			C			
OAKFIELD BMBR LOVEY 3878-ET	840003124025167						
OAKFIELD BOMBERO 3913	840003124025202						
OAKFIELD BRAXTON DINA-ET	840003010974999						
OAKFIELD BRAZILIAN SYLE-ET	840003006989022		C	C			
OAKFIELD BROKAW THELMA-ET	840003127422449						
OAKFIELD BUCCANEER 34171	840003131668335						
OAKFIELD BUCCANEER 4718	840003127422342						1
OAKFIELD BUICK 34652	840003131668816						
OAKFIELD BUICK 34668	840003131668832						
OAKFIELD BUICK 35322	840003133106612						
OAKFIELD BUICK 35742	840003133107032						
OAKFIELD BW ANDIE-RED-ET	840003124024307					C	
OAKFIELD COLT P LEE-RED	840003010974942						
OAKFIELD DAMION LAVISH-ET	840003004202058	C					
OAKFIELD DARTANYUN 4078	840003127421702	C					1
OAKFIELD DARTANYUN 4097	840003127421721						
OAKFIELD DAY 2334	840003013463956						
OAKFIELD DAY LAMOUR-ET	840003010975722						
OAKFIELD DEFEND LITIGATE-ET	840003013464205						
OAKFIELD DEFENDER LAUNCH-ET	840003013464209						
OAKFIELD DEFIANT 33987	840003127602679						
OAKFIELD DEFIANT TEA LEE-ET	840003127602667						
OAKFIELD DEMPSEY RASTA-ET	840003009532974						
OAKFIELD DEMPSEY ROULETTE-ET	840003009532970						1
OAKFIELD DESTROY TIA LEE-ET	840003009532871						1
OAKFIELD DEVLIN 9948	840003011890196			C			
OAKFIELD DLT LOVEY 34970-ET	840003131669134						

**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
OAKFIELD DLTA LOVEY 4250-ET	840003127421874						
OAKFIELD DLTA LOVEY 4254-ET	840003127421878						
OAKFIELD DLTA LOVEY 4255-ET	840003127421879						
OAKFIELD DMAN BARCELONA-ET	840003011890042					C	
OAKFIELD DNTLLO BANFIELD-ET	840003010975456						
OAKFIELD DOLLARS 3012	840003124024301						
OAKFIELD DOLLARS 3316	840003124024605						
OAKFIELD DONA BASIL 8690-ET	840003010975487						
OAKFIELD DONATELLO 2179	840003013463801						
OAKFIELD DONATELLO 2209	840003013463831						
OAKFIELD DONATELLO 33775	840003127602467						
OAKFIELD DONATELLO 9226	840003011889474						
OAKFIELD DONATELLO 9542	840003011889790						
OAKFIELD DOORMAN BONA FIDE	840003124024641						
OAKFIELD DRAGONHEART 2488	840003013464110						
OAKFIELD DRAGONHEART 2915	840003013464537						
OAKFIELD DRAGONHRT BEACHES	840003013464510						3
OAKFIELD DRESS EUPHORIA-RED	840003127421746						1
OAKFIELD DRESSER 4173	840003127421797						
OAKFIELD DUFNER 2499	840003013464121						
OAKFIELD DUFNER 3258	840003124024547						
OAKFIELD DUFNER 3292	840003124024581						
OAKFIELD DUFNER 3379	840003124024668						
OAKFIELD ELITE BRYA-ET	840003006989365		C				
OAKFIELD ENCINO BRIT-ET	840003000942900		C				
OAKFIELD ENCINO BRITLEY-ET	840003000942909		C				
OAKFIELD EUPHORIA-RED-ET	840003006988744						
OAKFIELD FELDMAN 4025	840003127421649						
OAKFIELD FEVER BAYWATCH-ET	840003010975568						
OAKFIELD FEVER DREAMLAND-ET	840003010975611						
OAKFIELD FEVER EVITA-ET	840003009533416						
OAKFIELD FORTUNE BRIETTA	840003000943131						
OAKFIELD FOX 2845	840003013464467						
OAKFIELD FOX 2873	840003013464495						
OAKFIELD FRED BELLADONNA-ET	840003006989468		C				
OAKFIELD FREDDIE BELINDA-ET	840003006989457						
OAKFIELD G CHIP BONBON-ET	840003009532909						
OAKFIELD GC MARISA TOMEI-ET	840003127422423						
OAKFIELD GC TANDY-ET	840003127422431						
OAKFIELD GC TANNER-ET	840003127422430						
OAKFIELD GC TATOR-ET	840003127422429						
OAKFIELD GOLD BRANDILYN-ET	840003009533741						1
OAKFIELD GOLD DAIQUIRI-ET	840003003685252						
OAKFIELD GOLD TAYLOR-ET	840003006988713						
OAKFIELD GOLDDUST TRANCE-ET	840003127422561						

**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
OAKFIELD GOLDWYN FIDDLER-ET	840003127421936						
OAKFIELD GOLDWYN RANDI-ET	840003004202776						1
OAKFIELD GOLDWYN TARA-ET	840003127422010						3
OAKFIELD GREENWAY 3734	840003124025023						
OAKFIELD GREGARIOUS 4556	840003127422180						1
OAKFIELD HAGAR 3418	840003124024707						
OAKFIELD HAGAR BAMBINA	840003013464290						3
OAKFIELD HAGAR CANDY	840003013464378	C					
OAKFIELD HALOGEN BONITA-ET	840003013464335						
OAKFIELD HEADLINER 3417	840003124024706						
OAKFIELD HEADLINER 8818	840003010975615						
OAKFIELD HEADLINER ROCKY	840003124024590						
OAKFIELD HERO BLACKOUT	840003124024519		C				
OAKFIELD HERO LAUGHER	840003124024674						
OAKFIELD IOTA FANCYPANTS-ET	840003008315981	C					
OAKFIELD IOTA FAT CHANCE-ET	840003008315963	C				C	
OAKFIELD JABIR 2426-ET	840003013464048						
OAKFIELD JABIR 2429-ET	840003013464051						
OAKFIELD JABIR 2430-ET	840003013464052						
OAKFIELD JABIR 2431-ET	840003013464053						
OAKFIELD JABIR 3395	840003124024684						
OAKFIELD JABIR 3407	840003124024696						
OAKFIELD JABIR 3415	840003124024704						
OAKFIELD JABIR LADY	840003124024712						
OAKFIELD JACEY CLARIBEL-ET	840003013464172						
OAKFIELD JACKMAN 9775	840003011890023						
OAKFIELD JACKMAN BELICIA-ET	840003011890015						
OAKFIELD JACY BEACH BALL-ET	840003013464411						
OAKFIELD JAS BIRKENSTOCK-ET	840003004201948						
OAKFIELD JASPER BREEZE-ET	840003004201926		C				
OAKFIELD JASPER ROYCE-ET	840003006988849						
OAKFIELD JENNINGS 3767	840003124025056						
OAKFIELD JEROD ELMO	840003124024509						
OAKFIELD JEROD LANA	840003124024498						
OAKFIELD JETSET 3455	840003124024744						1
OAKFIELD JETSET 3591	840003124024880						
OAKFIELD JETSET 3603	840003124024892						
OAKFIELD JETSET SHERRIE	840003124024727						1
OAKFIELD JM BENEDETTA-ET	840003011890017			C			
OAKFIELD KBY LOVEY 34828-ET	840003131668992						
OAKFIELD KGB LOVEY 33892-ET	840003127602584						
OAKFIELD KRAMER 9524	840003011889772			C			
OAKFIELD LAMB FARMS 8072	840003010974869						
OAKFIELD LAMB FARMS 8804	840003010975601		C				
OAKFIELD LAMB FARMS 9236	840003011889484						

**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
OAKFIELD LAMB FARMS 9582	840003011889830						
OAKFIELD LAMBFARMS 2228	840003013463850						3
OAKFIELD LAMBFARMS 34493	840003131668657						
OAKFIELD LAMBFARMS 4156	840003127421780						
OAKFIELD LAMBFARMS 7419	840003009533239			C			
OAKFIELD LAUTH BELISMA-ETS	840003008316071						
OAKFIELD LAUTH BELLINI-ET	840003008316079						
OAKFIELD LAUTH BELLISSA-ETS	840003008316070						1
OAKFIELD LEMIEUX 3422	840003124024711			C		C	1
OAKFIELD LEMIEUX BABY	840003124024713					C	1
OAKFIELD LICORICE 2270-RED	840003013463892						
OAKFIELD LINJET RACY-ET	840003000942802						
OAKFIELD LITIGATE 35397-ET	840003133106687						
OAKFIELD LITIGATE 35802-ET	840003133107092	C					
OAKFIELD LITIGATE 35817-ET	840003133107107	C					
OAKFIELD LITIGATE 35833-ET	840003133107123						
OAKFIELD LITIGATE 36461-ET	840003134443985						
OAKFIELD MACK BABY BLUE-ET	840003013463788						
OAKFIELD MACK ICE CREAM-ET	840003013463656						
OAKFIELD MAGENTA BELLA-RED	840003013464619		C				
OAKFIELD MAGNUS BIBI-ET	840003009532989		C				
OAKFIELD MAGNUS BORDEN-ET	840003009532928						
OAKFIELD MALLINGER 3881	840003124025170						
OAKFIELD MALLINGER 4154	840003127421778			C			
OAKFIELD MAN CLAIRVOYANT-ET	840003013463859	C					
OAKFIELD MANIFOLD 2508	840003013464130			C			
OAKFIELD MANIFOLD 8761	840003010975558			C			
OAKFIELD MANIFOLD BAMBI	840003010975590			C			
OAKFIELD MANT BODACIOUS-ET	840003013463853						
OAKFIELD MANTIS BRAINY-ET	840003013463862						
OAKFIELD MANTIS COCONUT-ET	840003013463869	C					
OAKFIELD MARSO 33360	840003127602052						1
OAKFIELD MARSO 4571	840003127422195						1
OAKFIELD MARSO 4595	840003127422219						1
OAKFIELD MCCUTCHEN 2541	840003013464163					C	
OAKFIELD MCCUTCHEN 9618	840003011889866						
OAKFIELD MCCUTCHEN 9776	840003011890024						
OAKFIELD MCCUTCHEN 9951	840003011890199						
OAKFIELD MCCUTCHEN 9981	840003011890229	C					
OAKFIELD MCCUTCHN TAMMY LEE	840003011890191						
OAKFIELD MILE BELLFLOWER-ET	840003013463741						
OAKFIELD MILES BECKON-ET	840003013463680						
OAKFIELD MILES BLUEBELL-ET	840003013463745						
OAKFIELD MINIS BRILLIANT-ET	840003003685231		C				
OAKFIELD MINIS BRISTOL-ET	840003003685232		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
OAKFIELD MONTEREY 36609	840003134444133						
OAKFIELD MORGAN BUBBLES-ET	840003010975534					C	
OAKFIELD MORGAN BUBBLY-ET	840003010975520						
OAKFIELD MORGAN BUBBLEGUM-ET	840003010975522					C	
OAKFIELD O-STYLE BAJA-ET	840003006989065			C			
OAKFIELD O-STYLE BOCA-ET	840003006989058		C	C			
OAKFIELD OBSERVE BENTLEY-ET	840003006989407		C				
OAKFIELD OBSERVER 7581	840003009533401						
OAKFIELD OBSERVER BUFFY-ET	840003006989324						
OAKFIELD OBSERVER BUNNY-ET	840003006989317						
OAKFIELD OLEGANT 8334	840003010975131						
OAKFIELD OLEGANT BABETTE	840003010974806		C				
OAKFIELD OUTSIDE BRYNN	USA 61266525		C				
OAKFIELD PAPARAZZI 2830	840003013464452						1
OAKFIELD PAPARAZZI 3485	840003124024774						
OAKFIELD PARTYROCK 3110	840003124024399						
OAKFIELD PARTYROCK 3690	840003124024979						
OAKFIELD PLANET 7344	840003009533164						
OAKFIELD PLANET 7842	840003009533662						
OAKFIELD PREDEST BENTLEY-ET	840003011889638						
OAKFIELD PREDESTIN BAMBI-ET	840003011889741					C	3
OAKFIELD PRONTO ANGELINA-ET	840003003685005						3
OAKFIELD PWBL LOVEY 4725-ET	840003127422349						
OAKFIELD PWBL LOVEY 4729-ET	840003127422353						
OAKFIELD RACER 4490	840003127422114						
OAKFIELD RACER 4552	840003127422176						
OAKFIELD RB LAINEY-RED-ET	840003127602613		C				2
OAKFIELD RBCN LOVEY 4532-ET	840003127422156						
OAKFIELD REA ROSETTA-RED-ET	840003008315594						1
OAKFIELD REALITY HARMONY-ET	840003006988909						1
OAKFIELD REALITY HOPE-ET	840003006988911						
OAKFIELD REBEL 4043	840003127421667					C	
OAKFIELD REBEL 4051	840003127421675					C	
OAKFIELD REGINALD RUMOUR-ET	840003009533244						
OAKFIELD ROBLE 3842	840003124025131						
OAKFIELD ROBUST BARISTA	840003124024662						
OAKFIELD ROD BASKETBALL-ET	840003013464041						
OAKFIELD RODGERS 33392	840003127602084						
OAKFIELD RODGERS BELLA	840003127602665						
OAKFIELD SALVATORE 2253	840003013463875						
OAKFIELD SALVATORE 2927	840003013464549						
OAKFIELD SALVATORE BARTHA	840003013464507						
OAKFIELD SANCHEZ DAPPER-ET	840003006989158						
OAKFIELD SANCHEZ DAZZLE-ET	840003006989150						
OAKFIELD SANCHEZ EXOTIC-ET	840003004202785						

**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
OAKFIELD SHAM BECKONING-ET	840003009532853						
OAKFIELD SHAM BEGUILING-ET	840003009532846		C				
OAKFIELD SHAM BLUEBERRY-ET	840003008316258						
OAKFIELD SHAN 2987	840003013464609						
OAKFIELD SHAN 3210	840003124024499						
OAKFIELD SHAQ LOUISE-RED-ET	840003004202897					C	
OAKFIELD SHOT BEANIE 2242	840003013463864		C			C	
OAKFIELD SHOT BRIETTA	840003013463866					C	
OAKFIELD SHOTT BREINDEL-ET	840003004202191					C	
OAKFIELD SHOTT BRIGHTON-ET	840003004202187					C	
OAKFIELD SHOTT BRIGITTE-ET	840003004202048		C			C	
OAKFIELD SHOTT BRINDISI-ET	840003004202195					C	
OAKFIELD SHOTT BRITTLYN-ET	840003004202050		C			C	
OAKFIELD SHOTTLE BRICEN-ET	840003004202186						
OAKFIELD SHOTTLE BRISTIN-ET	840003004202065		C				
OAKFIELD SHOTTLE BRYNDA-ET	840003004202190					C	
OAKFIELD SHOTTLE BRYNDEN-ET	840003004202185						
OAKFIELD SHOTTLE MINK-ET	840003004202167					C	
OAKFIELD SLR LOVEY 34243-ET	840003131668407						
OAKFIELD SLR LOVEY 34267-ET	840003131668431						
OAKFIELD SNOW BLACKBERRY-ET	840003008316237		C				
OAKFIELD SPECIAL LADY-ET	840003006988915						
OAKFIELD SPG LOVEY 35324-ET	840003133106614						
OAKFIELD SPIRTE BRITTANY	USA 62514434		C				
OAKFIELD SPR LOVEY 34650-ET	840003131668814						
OAKFIELD SPR LOVEY 34654-ET	840003131668818						
OAKFIELD SPRNG LVY 35318-ET	840003133106608						
OAKFIELD STACKED 9305	840003011889553			C			
OAKFIELD STACKED TRENTON	840003011889573			C			
OAKFIELD SYDNEY BRISTOW-ET	840003011889414						
OAKFIELD T-STORY ADDISON-ET	USA 63238419						1
OAKFIELD THE DUDE 35841	840003133107131			C			
OAKFIELD TO BE BAD 2486	840003013464108						
OAKFIELD TOPROCK 2233	840003013463855						
OAKFIELD TOYSTORY ADDIE-ET	USA 63238426						1
OAKFIELD TRINA LEE-RED-ET	840003004202600						1
OAKFIELD TROY LOVEY 4284-ET	840003127421908						
OAKFIELD TROY LOVEY 4291-ET	840003127421915						
OAKFIELD TROY LOVEY 4596-ET	840003127422220						
OAKFIELD WB ANAHEIM-ET	840003124024773						1
OAKFIELD WB TIFFANY-ET	840003127421975						
OAKFIELD WI BACHELORETTE-ET	840003010975776						1
OAKFIELD WILLIE 32638	840003125170827						
OAKFIELD WILLIE 4124	840003127421748						
OAKFIELD WINDB SAN DIEGO-ET	840003124024845						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
OAKFIELD WINDSOR 2305-ET	840003013463927						
OAKFIELD WINDSOR 9874-ET	840003011890122	C					
OAKFIELD WINDSOR CADBURY-ET	840003013463819	C					
OAKFIELD YDR LOVEY 35107-ET	840003133106397						
OAKFIELD YDR LOVEY 35391-ET	840003133106681						
OAKFIELD YDR LOVEY 35396-ET	840003133106686						
OAKFIELD YDR LOVEY 36210-ET	840003134443734						
OAKFIELD YOD LOVEY 36179-ET	840003134443703						
OAKFIELD-BRO A FAIRY-RED-ET	840003127421823						1
OAKFIELD-BRO ANCHOR 3341	840003124024630						
OAKFIELD-BRO AT FIESTA-ET	840003013464613						
OAKFIELD-BRO AT FINANCE-ET	840003006989082						
OAKFIELD-BRO AT FRANCOIS-ET	840003009533798						
OAKFIELD-BRO BR FIDELITY-ET	840003008315572						
OAKFIELD-BRO BROKAW FIFE-ET	840003013464273						
OAKFIELD-BRO BRXTN FARGO-ET	840003010975251						
OAKFIELD-BRO CAM FEATHER	840003009533581						
OAKFIELD-BRO DHEART 2939	840003013464561						3
OAKFIELD-BRO DONATELLO 9238	840003011889486						
OAKFIELD-BRO DONATELLO 9935	840003011890183						
OAKFIELD-BRO DOORMAN 2282	840003013463904						
OAKFIELD-BRO DOORMAN 3448	840003124024737						1
OAKFIELD-BRO DRGNHEART 2490	840003013464112						
OAKFIELD-BRO EXPLODE FENDI	840003009533241						
OAKFIELD-BRO FAMILY TREE-ET	840003010975775						
OAKFIELD-BRO FASCINATION-ET	840003010975774						
OAKFIELD-BRO FINETIME-ET	840003010975609						
OAKFIELD-BRO FOX 2883	840003013464505						
OAKFIELD-BRO FRESNO-RED-ET	840003004202318						
OAKFIELD-BRO FROGGY-RED-ET	840003006988726						1
OAKFIELD-BRO GC FAWN-ET	840003013464243						
OAKFIELD-BRO GC FINAE-ET	840003124024518						
OAKFIELD-BRO GLD FESTIVE-ET	840003009532943						
OAKFIELD-BRO GO FABULOUS-ET	840003003685350						
OAKFIELD-BRO GOLD FIJI-ET	840003009532946						1
OAKFIELD-BRO GONZO FANFARE	840003009533064					C	
OAKFIELD-BRO GORDON 33750	840003127602442						
OAKFIELD-BRO HERO FLIPPER	USA 142575501						
OAKFIELD-BRO JASP FAUNA-ET	840003004202520						
OAKFIELD-BRO JASP FLORA-ET	840003004202521						3
OAKFIELD-BRO LAMBFARMS 4110	840003127421734						
OAKFIELD-BRO LAMBFARMS 4138	840003127421762						
OAKFIELD-BRO LAMBFARMS FAN	840003127422376						
OAKFIELD-BRO LAUTH FOLLY-ET	840003009532990						
OAKFIELD-BRO LEVI FULL TILT	840003010975762						

**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
OAKFIELD-BRO LMBFARMS 34621	840003131668785						
OAKFIELD-BRO MAC FAWN-ET	840003004202440						
OAKFIELD-BRO MAC FRAZZLE-ET	840003003685046						
OAKFIELD-BRO MAC FRISKY-ET	840003003685047						
OAKFIELD-BRO MARSO 34104	840003131668268						
OAKFIELD-BRO MARSO 4585	840003127422209						
OAKFIELD-BRO MCCUTCHEN 9972	840003011890220						
OAKFIELD-BRO MILL FAVOR-ET	840003004202425		C				1
OAKFIELD-BRO NU FABULOUS-ET	840003011889280						
OAKFIELD-BRO NU FAROUT-ET	840003011889297						
OAKFIELD-BRO NU FIDO-ET	840003010975793						
OAKFIELD-BRO NU FORMOSA-ET	840003011889262						
OAKFIELD-BRO NU FRANTIC-ET	840003011889261						
OAKFIELD-BRO NU FURY-ET	840003011889258						
OAKFIELD-BRO NU FUTURE-ET	840003011889250						
OAKFIELD-BRO OLMSTEAD 34212	840003131668376						
OAKFIELD-BRO P FANTASTIC-ET	840003006988906						
OAKFIELD-BRO PLANET FONTANA	840003009533602						
OAKFIELD-BRO RE RAGE-RED-ET	840003008315342						
OAKFIELD-BRO REAL FARRAH-ET	840003006988737						1
OAKFIELD-BRO REAL FELIZ-ET	USA 69708565						1
OAKFIELD-BRO SALVATORE 2246	840003013463868						
OAKFIELD-BRO SALVATORE 2268	840003013463890						
OAKFIELD-BRO SALVATORE 2859	840003013464481						
OAKFIELD-BRO SHOOTER 2798	840003013464420						
OAKFIELD-BRO SSIRE 8705-TW	840003010975502					C	
OAKFIELD-BRO SSIRE 8706-TW	840003010975503					C	
OAKFIELD-BRO TOPROCK 2245	840003013463867						
OAKLAND-VIEW ABSLT PAULA-ET	840003013853409						
OAKLAND-VIEW CHRISTY-RED-ET	USA 71428378						3
OAKLAND-VIEW COKE-RED-ET	840003013853294						
OAKLAND-VIEW DARBY-RED-ET	840003123637318						
OAKLAND-VIEW H CHAMP-RED-ET	USA 71428364						3
OAKLAND-VIEW ROSS 3571	USA 62823887			C			
OAKLAND-VIEW SHOCK JENNY-ET	840003013853289					C	
OAKLAND-VIEW SHOCK JEWEL-ET	840003013853306					C	
OAKLAND-VUE ANNABELLE	USA 122129968						
OAKLEAF O MAN LATIN	USA 62461201			C			
OAKLEIGH ADCTN HODGE-RED-TW	840003128911906						
OAKLEIGH ADCTN HUMID-RED	840003128911889						1
OAKLEIGH ADCTN PODGE-RED-TW	840003128911907						1
OAKLEIGH ALCMY GAIN-TW-ET	USA 70420266						4
OAKLEIGH ALCMY HEIKI-RED-ET	USA 72050816						1
OAKLEIGH ALCMY HIPST-RED-ET	USA 72050823	C					1
OAKLEIGH ALCMY HONEY-RED-ET	USA 70420264						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
OAKLEIGH ALCMY HUN-RED-ET	USA 72050842	C					1
OAKLEIGH ATWOOD HENNA-ET	USA 73329846						
OAKLEIGH ATWOOD HOLGER-ET	840003128911877						
OAKLEIGH BELUGA FLARE	USA 73329850			C			
OAKLEIGH BLAZE BOOTZ-RED-ET	USA 73329825						
OAKLEIGH BLAZE BRETA-RED-ET	USA 73329844						
OAKLEIGH BLAZE BROWN-RED-ET	USA 73329828						
OAKLEIGH BRONO FALSE	USA 72050883						3
OAKLEIGH BURNS GABBY-ET	USA 64509343						4
OAKLEIGH CA HALO-RED	840003128911932						1
OAKLEIGH CA HOLIDAY-RED	840003128911927						1
OAKLEIGH CAMELOT BOOTIE	USA 62733051						
OAKLEIGH CASUAL GINKO-ET	USA 72050892						
OAKLEIGH CLARK FEATHER-ET	840003128911882						
OAKLEIGH COLT P HAILEY	USA 70420244						
OAKLEIGH COLT P HONEY-RED	USA 70420247	C					
OAKLEIGH COLT P MINNIE	USA 70420241			C			
OAKLEIGH CONVINCER GEN	USA 60033157						
OAKLEIGH DAMION FLIP-ET	USA 64509299						
OAKLEIGH DOMORE HAGAR	USA 70420219						
OAKLEIGH EMBASSY GIRLIE	USA 73329839		C				
OAKLEIGH ENCINO GREAT	USA 62733024						
OAKLEIGH ERNHARDT HURRY	USA 72050874						
OAKLEIGH FREDDIE GLANCE-ET	USA 70420227						
OAKLEIGH FREIGHTLINER GLIDE	840003128911908						
OAKLEIGH GARTER HAZY CRI-ET	USA 61089181						
OAKLEIGH GENE BABE-RED	USA 73329898						1
OAKLEIGH GENE ELSA	USA 73329875						
OAKLEIGH GENE GISOLFI	840003128911897						1
OAKLEIGH GENE HANA-RED	840003128911869						1
OAKLEIGH GENE HARLA-RED	USA 73329853	C					1
OAKLEIGH GENE HAT-RED-ET	USA 73329841	C					
OAKLEIGH GENE HAYA	USA 66216752						
OAKLEIGH GENE HEDA	USA 73329871	C					1
OAKLEIGH GENE HERALD-RED	USA 73329890						2
OAKLEIGH GENE HICKEY-RED	USA 73329883						1
OAKLEIGH GENE HOKE-RED	USA 73329901						1
OAKLEIGH GENE HONDA-RED	840003128911881	C					1
OAKLEIGH GENE MS HON-RED	USA 73329842	C					1
OAKLEIGH GENEVIEVE-ET	USA 17119163						
OAKLEIGH GLEN ELIZA-ET	USA 64509352						
OAKLEIGH GOLDWYN MONICA-ET	USA 62733021						
OAKLEIGH GOLIATH HONA	USA 72050834					C	
OAKLEIGH GREGORY P HIGH	840003128911921						
OAKLEIGH HARRISON HESSIE	USA 73329832						

**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
OAKLEIGH HARRISON HOOT	USA 73329833						
OAKLEIGH HOLID HELENA	USA 72050848						
OAKLEIGH HOLID HUMA-RED	USA 72050861						
OAKLEIGH HOLMES GLEE	USA 73329892	C					
OAKLEIGH HOLMES HIVE	USA 73329840						
OAKLEIGH HUGO GILDA	USA 72050814	C					3
OAKLEIGH HUGO HARVA-RED	USA 72050815						
OAKLEIGH HYDRO HOG-RED	USA 73329813						
OAKLEIGH IOTA FLIT	USA 70420216						3
OAKLEIGH JIVES GALLERY	USA 70420276						
OAKLEIGH JIVES HEDGE	USA 70420249						
OAKLEIGH JIVES HESTER	USA 70420242					C	
OAKLEIGH JOSUPER HEROS	840003128911937						
OAKLEIGH JOTAN BAMBI-RED	USA 72050805						
OAKLEIGH JOTAN BEAUTY-RED	USA 70420257						
OAKLEIGH JOTAN HATTY-RED	USA 70420255	C					
OAKLEIGH JUSTICE MONSTER-ET	USA 61154068			C			
OAKLEIGH KOOL GHOUL	USA 72050819						
OAKLEIGH L. GOLD HELEN-ET	USA 73329854						
OAKLEIGH L. GOLD HETTY-ET	USA 73329855						
OAKLEIGH LADD GARNET-RED-ET	USA 70420277						3
OAKLEIGH LADD GRACE-ET	USA 72050802						3
OAKLEIGH LADD HAYNE-RED	USA 72050813						1
OAKLEIGH LATIMER HAIYAN-ET	USA 72050884						1
OAKLEIGH LAWN B HARBOLY-RED	USA 64509336						
OAKLEIGH LAWN B HODA-RED-ET	USA 64509307						
OAKLEIGH LIFT-OFF HANDLE-ET	USA 73329860			C			
OAKLEIGH LUDOX HARLY-RED-ET	USA 62733010	C					
OAKLEIGH LUKE HANNAH	USA 15636020						
OAKLEIGH MARION MISSY	USA 62733007	C					
OAKLEIGH MASCOT HAZELNUT-ET	USA 15117977						
OAKLEIGH MASSEY GIBBY	USA 72050847						
OAKLEIGH MASSEY HETTY	USA 72050839						
OAKLEIGH MATRIX HA-RED-ET	USA 66216761	C					
OAKLEIGH MATRIX HUST-RED-ET	USA 66216791	C					
OAKLEIGH METEOR MATTIE	USA 70420215						
OAKLEIGH MILES GESALA-ET	USA 73329808						
OAKLEIGH MILES GIDGET-ET	USA 73329822						
OAKLEIGH MILES GISH-ET	USA 73329820						
OAKLEIGH MOGUL HIELO-ET	USA 72050820						
OAKLEIGH NUMERO UNO HADA-ET	USA 72050812						
OAKLEIGH OKALIF GINGER-RED	840003128911935						
OAKLEIGH PARKER HALA-ET	USA 72050806						1
OAKLEIGH PBUL GERTRUDE	USA 70420234						
OAKLEIGH RACER FANTOM	USA 73329870						

**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
OAKLEIGH RACER GO	USA 73329873						1
OAKLEIGH RACER HARBINGER	USA 73329878						
OAKLEIGH RACER HASTE	USA 73329874						
OAKLEIGH RACER HILARY-ET	USA 73329865						
OAKLEIGH RACER MERRY	USA 73329895			C			
OAKLEIGH RACER SLEET	USA 73329889						
OAKLEIGH RAMOS GLIDE	USA 64509304						
OAKLEIGH RB HEATWAVE-RED-ET	USA 72050856						1
OAKLEIGH RBRST HALEY-RED-ET	USA 72050825		C				1
OAKLEIGH RBRST HANAH-RED-ET	USA 72050824						1
OAKLEIGH RBRST HOPE-RED-ET	USA 72050826						1
OAKLEIGH REGGIE GOLDY-ET	USA 61866203						
OAKLEIGH SATURN GAGA CRI-ET	USA 61089265						
OAKLEIGH SAVAGE ELSA	USA 70420231						1
OAKLEIGH SHAMROCK FRECKLE	USA 70420246						
OAKLEIGH SHAMROCK HATTY-ET	USA 70420233						
OAKLEIGH SHAMROCK HEMP-ET	USA 70420238						
OAKLEIGH SHAMROCK HOWLY-ET	USA 70420237						
OAKLEIGH SHOTGLASS HADE	USA 72050897						
OAKLEIGH SILVER HURRY-ET	840003128911923						
OAKLEIGH SOPRANO FALCON	USA 72050882						
OAKLEIGH SOPRANO FALL	USA 72050880						
OAKLEIGH SPRING HASTY	840003128911914						
OAKLEIGH SPRING HOOTIE	840003128911913						
OAKLEIGH SS FEARA-ET	USA 72050862						
OAKLEIGH SS HETTA-ET	USA 72050864						
OAKLEIGH SUPER HEATHER	USA 66216803						
OAKLEIGH SUPER HETZEL	USA 66216771						
OAKLEIGH TITANIC GIBSON-ET	USA 61866187						1
OAKLEIGH TITANIC GLORIA-ET	USA 61866220						1
OAKLEIGH TRANSFORMER GLICHE	USA 72050845						
OAKLEIGH TROY FLUTE	840003128911920					C	
OAKLEIGH TROY HAZEL	840003128911895						
OAKLEIGH WOOD DILLIE	840003128911878						
OAKMULGEE RAMONAA 8584	USA 62913507						
OAKSIDE DURABLE MARIBEL	USA 142900361						3
OAKSIDE PRONTO TAFFY	USA 139547306						
OAKSON-S DORCY JANEVA	USA 73646550					C	
OAKSON-S MOGUL JAMBOREE	USA 74900710					C	
OAKSON-S SUPER JAMBI	USA 71838643					C	
OAKTOP-ACRES ARMANI DASH-ET	840003129102580						
OAKTOP-ACRES ARMNI DARCY-ET	840003129102584						1
OAKTOP-ACRES C ATARA-ET	USA 73800392						
OAKTOP-ACRES CAMRON NATASHA	USA 71943677						
OAKTOP-ACRES EMERALD NOREEN	USA 73800367						

**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
OAKTOP-ACRES IMPRESS SHYLA	USA 73800380						
OAKTOP-ACRES MAS NAUTICA-ET	USA 73800378						
OAKTOP-ACRES MASCALES FLAIR	USA 73800396						
OAKTOP-ACRES MASS NAKITA-ET	USA 73800377						
OAKTOP-ACRES MASSEY NAVI-ET	USA 73800388						
OAKTOP-ACRES MASSEY NAYO-ET	USA 73800387						
OAKTOP-ACRES MONTROSS DORY	USA 73800412						
OAKTOP-ACRES RAINY DROPS	840003129102586						
OAKTOP-ACRES ROCKWELL SASHA	USA 73800371						
OAKTOP-ACRES SG AVILA-ET	USA 73800398						
OAKTOP-ACRES SG AVITA-ET	USA 73800399						
OAKTOP-ACRES SG NICHOLETTE	840003129102559						
OAKTOP-ACRES SUDAN SPICE-TW	USA 58522279						
OAKTOP-ACRES SUDAN SUGAR-TW	USA 58522278						
OAKVIEW-RIDGE ATW RIPPLE-ET	USA 74228695						
OAKWOOD AIRNET 13570	USA 72245721						
OAKWOOD AVALON 12595	USA 71158837						
OAKWOOD IOTA 13070	USA 71581436						
OAKWOOD SKYCREST 13970	USA 72246121						
OAKWOOD-LLC AIDRIC 14760	USA 73371863						
OAKWOOD-LLC ALCHEMY 13352	USA 71581718						1
OAKWOOD-LLC ARCHIVE 15132	840003125416983	C					
OAKWOOD-LLC BIZZARE 15004	840003125416855	C					
OAKWOOD-LLC CAESAR 14681	USA 73371784						
OAKWOOD-LLC CAESAR 14714	USA 73371817						
OAKWOOD-LLC CAESAR 14728	USA 73371831						
OAKWOOD-LLC CAESAR 14746	USA 73371849						
OAKWOOD-LLC CALIBER 12172	USA 70601991						
OAKWOOD-LLC CHRIS 14885	USA 73371988						
OAKWOOD-LLC DEB 13829-RED	USA 72245980						
OAKWOOD-LLC DEFAULT 14852	USA 73371955						
OAKWOOD-LLC DESTINED 14683	USA 73371786						
OAKWOOD-LLC DESTINED 14705	USA 73371808						
OAKWOOD-LLC DISCOUNTP 14677	USA 73371780					C	
OAKWOOD-LLC DUSK 15281	840003125417132	C					1
OAKWOOD-LLC EMBASSY 14913	USA 73372016						
OAKWOOD-LLC GRAFEETI 14844	USA 73371947	C					1
OAKWOOD-LLC GUY 14737	USA 73371840						
OAKWOOD-LLC HEMI 15000	USA 73372103						
OAKWOOD-LLC HEMI 15091	840003125416942						
OAKWOOD-LLC IMPRSSION 14769	USA 73371872						
OAKWOOD-LLC IMPRSSION 14893	USA 73371996						
OAKWOOD-LLC JEROD 14659-TW	USA 73371762						
OAKWOOD-LLC JEROD 15206	840003125417057						
OAKWOOD-LLC LB-P 13832-RED	USA 72245983						

**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
OAKWOOD-LLC LITHIUM 14992	USA 73372095						
OAKWOOD-LLC LITHIUM 15007	840003125416858						
OAKWOOD-LLC LN BY 13465-RED	USA 71581831						1
OAKWOOD-LLC MACK 15330	840003125417181						
OAKWOOD-LLC MELROY 15231	840003125417082					C	
OAKWOOD-LLC MOGUL 15217	840003125417068						
OAKWOOD-LLC MOGUL 15286	840003125417137						
OAKWOOD-LLC OAK 14339-ET	USA 72687779						
OAKWOOD-LLC PARTYROCK 14936	USA 73372039						
OAKWOOD-LLC PARTYROCK 14961	USA 73372064						
OAKWOOD-LLC PARTYROCK 15158	840003125417009						
OAKWOOD-LLC PRDESTINE 14672	USA 73371775						
OAKWOOD-LLC PRDESTINE 14680	USA 73371783						
OAKWOOD-LLC PRDESTINE 14744	USA 73371847						
OAKWOOD-LLC PRDESTINE 14897	USA 73372000						
OAKWOOD-LLC PRDESTINE 15118	840003125416969						3
OAKWOOD-LLC PRDSTINE 15176	840003125417027	C					
OAKWOOD-LLC PREDESTNE 14866	USA 73371969						3
OAKWOOD-LLC PREDESTNE 14960	USA 73372063						3
OAKWOOD-LLC RAMOS 7400	USA 62495806						
OAKWOOD-LLC REDBULL 14842	USA 73371945						
OAKWOOD-LLC SEDARA 14762	USA 73371865						
OAKWOOD-LLC SHOTGLASS 14946	USA 73372049						
OAKWOOD-LLC WATSON 14647	USA 73371750			C			
OARDC DAMION BLACK BETTY	USA 71751325						
OASIS-PRAIRIE SHABUKA	USA 135902473			C			
OAT-HILL JASP JUBILANT-RED	840003009569563						
OAT-HILL RM KATARINA	USA 51738643						
OBJO GOLDWYN EVA-ET	USA 66101513						3
OBRIEN DAYTON 507	USA 72737512						
OBY-CREST MONTEREY SHAUNA	USA 143594730						
OCD 1STCLAS CAITLYN 3896-ET	840003124025185						
OCD 1STCLAS CAITLYN 4104-ET	840003127421728						
OCD 1STCLAS CAITLYN 4108-ET	840003127421732						
OCD 1STCLAS ENRICH 35382-ET	840003133106672						
OCD 1STCLASS 33885-ET	840003127602577						
OCD 1STCLASS 34987-ET	840003131669151						
OCD 1STCLASS 34992-ET	840003131669156						
OCD 1STCLASS 34997-ET	840003131669161						
OCD 1STCLASS HUATA 4125-ET	840003127421749						
OCD 1STCLASS LILAC 33894-ET	840003127602586						
OCD 1STCLASS LILAC 33899-ET	840003127602591						
OCD 1STCLASS LILAC 34180-ET	840003131668344						
OCD 1STCLASS LILAC 34209-ET	840003131668373						
OCD 1STCLASS LILAC 34274-ET	840003131668438						

**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
OCD 1STCLASS LILAC 34284-ET	840003131668448						
OCD 1STCLASS LILAC 34402-ET	840003131668566						
OCD 1STCLASS LILAC 34805-ET	840003131668969						
OCD 1STCLASS LILAC 34806-ET	840003131668970						
OCD 1STCLASS LILAC 34836-ET	840003131669000						
OCD 1STCLASS LILAC 34852-ET	840003131669016						
OCD 1STCLASS MAY 3839-ET	840003124025128						
OCD 1STCLASS MAY 3866-ET	840003124025155						
OCD A-TEAM RESOLVE	840003010975473						1
OCD ABSOLUTE TOPAZ-RED-ET	840003013464002						
OCD ACE VENTURA 2457	840003013464079						
OCD ADMIRAL MEGAN FOX-ET	840003009533297						1
OCD AL UDDERBUTTER 35887-ET	840003133107177						
OCD AL UDDERBUTTER 35894-ET	840003133107184						
OCD AL UDDERBUTTER 35895-ET	840003133107185						
OCD AL UDDERBUTTER 36060-ET	840003134443584						
OCD AL UDDERBUTTER 36062-ET	840003134443586						
OCD AL UDDERBUTTER 36402-ET	840003134443926						
OCD ALCHEMY MAGNOLIA-ET	840003009533569						1
OCD ALCHMY RAINMAKER-RED-ET	840003010974921						4
OCD ALCO 35074-ET	840003133106364						
OCD ALCO 35138-ET	840003133106428						
OCD ALCO 35555-ET	840003133106845						
OCD ALCO 35562-ET	840003133106852						
OCD ALCO 35586-ET	840003133106876						
OCD ALCO 35710-ET	840003133107000						
OCD ALCO 35809	840003133107099						
OCD ALCO ELLA 35566-ET	840003133106856			C			
OCD ALCO ENRICH 35152-ET	840003133106442						
OCD ALCO FISCHER 35515-ET	840003133106805						
OCD ALCO FUJI 35090-ET	840003133106380						
OCD ALCO FUJI 35524-ET	840003133106814						
OCD ALEXANDER 5711	840003006989338						
OCD ALEXANDER LIAISON-ET	840003004202413						1
OCD ALEXANDER SIESTA-ET	840003004202582						
OCD ALEXANDER WAGGLE-ET	840003004202408						
OCD ALEXANDER WIGGLE-ET	840003004202403						
OCD ALEXANDER WONDER-ET	840003004202404						1
OCD ALRIGHT 4087	840003127421711						
OCD ALRIGHT 4177	840003127421801						
OCD ALRIGHT RAWNIE 3156-ET	840003124024445						
OCD ALRIGHT RAWNIE 3168-ET	840003124024457						
OCD ALRIGHT RAWNIE 3170-ET	840003124024459						
OCD ALRIGHT RAWNIE 3179-ET	840003124024468						
OCD ALRIGHT RAWNIE 3758-ET	840003124025047						

**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
OCD ALTAACL LILAC 34804-ET	840003131668968						
OCD ALTASPRING 33883-ET	840003127602575						
OCD ALTASPRING 33895-ET	840003127602587						
OCD ALTASPRING 34920-ET	840003131669084						
OCD ALTASPRING 34942-ET	840003131669106						
OCD ALTASPRING 34951-ET	840003131669115						
OCD ALTASPRING RAE 34842-ET	840003131669006						
OCD ALX SOUTHERN COMFORT-ET	840003004202597					C	1
OCD AMBROS DIRTY DANCING-ET	840003009533097						
OCD AMBROSE DEEP IMPACT-ET	840003009533090						
OCD AMBROSE DEUCES WILD-ET	840003009533098						
OCD AMBROSE DISNEY-ET	840003009533096						
OCD AMBROSE DREAMBOAT-ET	840003009533088						
OCD AMBROSE DREAMGIRL-ET	840003009533075						
OCD ANCHOR 3015	840003124024304						
OCD ANCHOR 3020	840003124024309						
OCD ANCHOR 3277	840003124024566						
OCD ANCHOR 3286	840003124024575						
OCD ANCHOR 3318	840003124024607						
OCD ANCHOR 3334	840003124024623						
OCD ANCHOR 3340	840003124024629						
OCD ANCHOR 3342	840003124024631						
OCD ANCHOR 3366	840003124024655						
OCD ANCHOR SURPASS 35883-ET	840003133107173						
OCD ANCHORM LAVAGE 36658-ET	840003134444182						
OCD ANCHORMA NAOMI 36182-ET	840003134443706						
OCD ANCHORMA NAOMI 36650-ET	840003134444174						
OCD ANCHORMA NAOMI 36651-ET	840003134444175						
OCD ANCHORMA NAOMI 36653-ET	840003134444177						
OCD ANCHORMA NAOMI 36654-ET	840003134444178						
OCD ANCHORMA NAOMI 36673-ET	840003134444197						
OCD ANCHORMA NAOMI 36682-ET	840003134444206						
OCD ANCHORMA SHINE 35844-ET	840003133107134						
OCD ANCHORMA SHINE 35851-ET	840003133107141						
OCD ANCHORMAN 35862-ET	840003133107152						
OCD ANCHORMAN 35874-ET	840003133107164						
OCD ANCHORMAN 35876-ET	840003133107166						
OCD ANTON MILLIE-ET	840003124024656						
OCD APOLL JAKOVA 36639-ET	840003134444163						
OCD ARCHIVE 3084-RED-ET	840003124024373						
OCD ARCHIVE DANBURY-ET	840003124024873						
OCD ARCHIVE DUBLIN 3626-ET	840003124024915						1
OCD ARCHIVAL TASSIE-ET	840003127422498						
OCD ARGON 8788	840003010975585						
OCD ARMITAGE DEMI-ET	840003009533176			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
OCD ARMITAGE PADDINGTON-ET	840003008316236						
OCD ARMITAGE PASSION-ET	840003009532831						
OCD ARMITAGE PEDRO-ET	840003008316244						
OCD ASHBURN 2483	840003013464105						
OCD ASHBURN 2768	840003013464390						
OCD ASPEN 3513	840003001603744						
OCD ATWOOD 33786	840003127602478						
OCD ATWOOD LUXE-ET	840003013463753	C					
OCD ATWOOD LYDIA-ET	840003013463923						
OCD ATWOOD TAFFY-ET	840003011889839						
OCD ATWOOD TANNER-ET	840003011889834						
OCD ATWOOD TINSEL-ET	840003011889846						
OCD ATWOOD TIPPER-ET	840003127422530						
OCD ATWOOD TWITTER-ET	840003011889847						
OCD AVERY DAIQUIRI-ET	840003008316027						3
OCD AVERY DIRTI BANANA-ET	840003008316009						4
OCD AWESOME OLEGANT 8126	840003010974923						
OCD BALDWIN DANCE-ET	840003010975382						
OCD BALDWIN DAYDREAM-ET	840003010975379						
OCD BALDWIN SABRE-ET	840003010975429						
OCD BALDWIN SAGINAW-ET	840003010975401						
OCD BALISTO 3014-ET	840003124024303						
OCD BARRACUDA 34268	840003131668432						
OCD BARRACUDA 34438	840003131668602						
OCD BARRACUDA 35365	840003133106655						
OCD BARRACUDA 35398	840003133106688						
OCD BARRACUDA 35546	840003133106836						
OCD BAYARD BALLERINA-ET	840003010975733						
OCD BAYARD BEGUILLED-ET	840003010975770						
OCD BAYARD BENCHWARMER-ET	840003010975759						
OCD BAYONET 35722	840003133107012						
OCD BEAU 7076	840003009532896						
OCD BEAU ABERCROMBIE-ET	840003009532874						
OCD BEAU ABSOLUT-ET	840003009532852						
OCD BEAU ACAPULCO-ET	840003009532851						
OCD BEAU AMARETTO-ET	840003009532858						
OCD BEAU DENMARK-ET	840003009532929						
OCD BELUGA FANNY-ET	840003013464282						
OCD BELUGA FARAH-ET	840003013464277			C			
OCD BELUGA FLORISSA-ET	840003013464270						
OCD BELUGA FORWARD-ET	840003013464228			C			
OCD BELUGA FREMONT-ET	840003013464451			C			
OCD BELUGA FULLERTON-ET	840003013464423			C			
OCD BLAIR WITCH PROJECT-ET	840003009533198						1
OCD BLAZE JAGERBOMB-RED-ET	840003013463810						

**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
OCD BLIZZARD 2030	840003013463652						
OCD BLOG 7861	840003009533681			C			
OCD BLUSHING 2026-TW	840003013463648						
OCD BOB 2308-ET	840003013463930						
OCD BOB 2309-ET	840003013463931						
OCD BOB 2312-ET	840003013463934						
OCD BOB 2315-ET	840003013463937						
OCD BOB DAMASCUS-ET	840003013463660						
OCD BOB DAZZLER 2241-ET	840003013463863						
OCD BOGART DANNI-ET	840003006988779			C			
OCD BOGART DERBY-ET	840003006988773			C			
OCD BOGART DREAMY-ET	840003006988828						
OCD BOMB MASQUERADE 3175-ET	840003124024464						
OCD BOMB MASQUERADE 3792-ET	840003124025081						
OCD BOMB MASQUERADE 4109-ET	840003127421733						
OCD BOMBERO 3975	840003124025264						
OCD BOMBERO ACE 3867-ET	840003124025156						
OCD BOMBERO ACE 3875-ET	840003124025164						
OCD BOMBERO BANKOK 3822-ET	840003124025111						
OCD BOMBERO BANKOK 3972-ET	840003124025261						
OCD BOMBERO DETROIT 4033-ET	840003127421657						
OCD BOMBERO FELISHA 3813-ET	840003124025102						
OCD BOMBERO FELISHA 3969-ET	840003124025258						
OCD BOMBERO LAVAGE 4131-ET	840003127421755						
OCD BOMBERO MADDIE 3778-ET	840003124025067						
OCD BOMBERO POPPER 3871-ET	840003124025160						
OCD BOMBERO POPPER 3872-ET	840003124025161						
OCD BOOKEM 3296	840003124024585						
OCD BOOKEM 6044	840003008315305			C			
OCD BOOKEM GUMDROP-ET	840003006989505						
OCD BOWSER FALLING STAR-ET	840003006988778						
OCD BOWSER PASSION-ET	840003004202882						
OCD BOWSER PENNY-ET	840003004202892						
OCD BOXER DAMSEL-ET	840003006989030						
OCD BOXER DANDY-ET	840003006989033						
OCD BRADNICK CALLIOPE-ET	840003124024788						1
OCD BRADNICK CANDY-ET	840003010975216						
OCD BRADNICK LOVEY-ET	840003011889547						
OCD BRAXTON CHINA QUEEN-ET	840003010975651						
OCD BRAXTON DISNEY-ET	840003008316127						
OCD BRAXTON TAWNY-ET	840003010975003						
OCD BRKW LADY GAGA-ET	840003124024479	C					
OCD BROK LADYKILLER 3802-ET	840003124025091	C					
OCD BROKAW LEXY 3199-ET	840003124024488	C					
OCD BROKAW TABOO-ET	840003124024543						

**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
OCD BRONCO FORGET-ET	840003006989461			C			
OCD BRONO JUNE CLEAVER-ET	840003011889416						
OCD BRONO TAMI TAYLOR-ET	840003011889418						
OCD BUCCANEER 4196	840003127421820						
OCD BUICK 34486	840003131668650						
OCD BUICK 34489	840003131668653						
OCD BUICK 34635	840003131668799						
OCD BUICK 34643	840003131668807						
OCD BUICK 34658	840003131668822						
OCD BUICK 35350	840003133106640						1
OCD BUICK 35576	840003133106866						
OCD BUICK 35595	840003133106885						
OCD BUICK 35727	840003133107017						
OCD BUICK 35792	840003133107082						
OCD BUICK 35811	840003133107101						
OCD BUICK 35850	840003133107140						
OCD BUICK 36500	840003134444024						
OCD C GAIN LAFEMME 3182-ET	840003124024471						
OCD CABRIOLET MISTY-ET	840003011890037						
OCD CAESAR MADDIE-ET	840003011889461						
OCD CAM BLIND SIDE-ET	840003009533197						1
OCD CAMERON BEATRICE-ET	840003010974940						
OCD CAMERON BLACK SWAN-ET	840003009533201						1
OCD CAMERON BOMBSHELL-ET	840003009533213						
OCD CAMERON DYNAMITE-ET	840003009533616						
OCD CASHCOIN 2352-ET	840003013463974						1
OCD CASHCOIN 2355-ET	840003013463977						
OCD CASHCOIN 2436-ET	840003013464058						1
OCD CASHCOIN 2438-ET	840003013464060						1
OCD CASHCOIN 2439-ET	840003013464061						1
OCD CASHCOIN 2442-ET	840003013464064						
OCD CASHCOIN 2445-ET	840003013464067						
OCD CASHCOIN 2449-ET	840003013464071						1
OCD CASHCOIN 2453-ET	840003013464075						1
OCD CASHCOIN 2727-ET	840003013464349						1
OCD CASHCOIN 2787	840003013464409						1
OCD CASHCOIN 2813-ET	840003013464435						
OCD CASHCOIN 2824-ET	840003013464446						
OCD CASHCOIN 2833-ET	840003013464455						1
OCD CASHCOIN 2837-ET	840003013464459						
OCD CASHCOIN 2844-ET	840003013464466						
OCD CASHCOIN 2848-ET	840003013464470						
OCD CASHCOIN ABACUS-ET	840003013464457						1
OCD CASHCOIN ABSTRACT-ET	840003013464456						
OCD CASHCOIN ACROBAT-ET	840003013464463						

**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
OCD CASHCOIN AMERICA-ET	840003013464465						1
OCD CASHCOIN ANCHOR-ET	840003013464464						
OCD CASHCOIN MACARONI-ET	840003013464458						
OCD CASHCOIN NAOMI-ET	840003013464341						
OCD CASHCOIN NEBRASKA-ET	840003013464344						1
OCD CASHCOIN RANSOM-ET	840003013464168			C			1
OCD CASHFL FANFARE 35588-ET	840003133106878					C	
OCD CASHFL FANFARE 35733-ET	840003133107023						
OCD CASHFLOW 35211-ET	840003133106501					C	
OCD CASHMONEY 3369	840003124024658					C	
OCD CGAIN CINERGY 3838-ET	840003124025127						
OCD CGAIN CINERGY 3840-ET	840003124025129						
OCD CGAIN ESTHER 4157-ET	840003127421781						
OCD CGAIN ESTHER 4168-ET	840003127421792						
OCD CGAIN RUTHIE 4182-ET	840003127421806						
OCD CHEVROLET 2444-ET	840003013464066						
OCD CHEVROLET 2451-ET	840003013464073						
OCD CHEVROLET 2454-ET	840003013464076						
OCD CHEVROLET 2455-ET	840003013464077						
OCD CHEVROLET 2459-ET	840003013464081						
OCD CHEVROLET 2460-ET	840003013464082						
OCD CHEVROLET 3787	840003124025076						
OCD CHEVROLET MILKMAID-ET	840003013464402						
OCD CLASSIC-ET	840003131668880						
OCD COMMANDER 34138	840003131668302						
OCD COMMANDER 4021-ET	840003127421645						
OCD COMMANDER LISA 3833-ET	840003124025122						
OCD CONTEND LAVENDER-RED-ET	840003004202558						
OCD CONTENDER RENO-RED-ET	840003004202547						
OCD CONTENDER ROJO-RED-ET	840003004202551						
OCD COREY MAY 3824-ET	840003124025113						
OCD COSMO GATORADE-ET	840003010975308						
OCD CRABTREE 3749	840003124025038						
OCD CRI APPRAISE-ET	840003013464201						
OCD CSR MARY POPPINS-ET	840003011889430						
OCD DADDY 3382	840003124024671		C				
OCD DADDY MAGNIFICENT-ET	840003010975296						
OCD DADDY MANIFEST-ET	840003010975336						
OCD DADDY MITTEN 8555-ET	840003010975352		C				
OCD DADDY MYSTIC	840003011889658						
OCD DAMAR APPRAISE 36049-ET	840003134443573						
OCD DAMAR APPRAISE 36070-ET	840003134443594						
OCD DAMAR APPRAISE 36090-ET	840003134443614						
OCD DAMARI BALANCE 35847-ET	840003133107137						
OCD DAMARI BALANCE 35855-ET	840003133107145						

**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
OCD DAMARIS 35585-ET	840003133106875						
OCD DAMARIS 35719-ET	840003133107009						
OCD DAMARIS ABYSS 4266-ET	840003127421890						
OCD DAMARIS ABYSS 4745-ET	840003127422369						
OCD DAMARIS CHAIR 4268-ET	840003127421892						
OCD DAMARIS DAHLIA 4542-ET	840003127422166						
OCD DAMARIS DAHLIA 4662-ET	840003127422286						
OCD DAMARIS DAHLIA 4669-ET	840003127422293						
OCD DAMARIS ELLA 35834-ET	840003133107124						
OCD DAMARIS ELLA 35860-ET	840003133107150						
OCD DAMARIS FARIS 36234-ET	840003134443758						
OCD DAMARIS FARIS 36261-ET	840003134443785						
OCD DAMARIS FARIS 36273-ET	840003134443797						
OCD DAMARIS PARTY 35182-ET	840003133106472						
OCD DAMARIS PARTY 35737-ET	840003133107027						
OCD DANGEROUS LIAISON-ET	840003010975674						
OCD DAVINCI 4178	840003127421802						
OCD DAWSON 34051-TW	840003131668215						
OCD DAWSON 34052-TW	840003131668216						
OCD DAWSON 34064	840003131668228						
OCD DAWSON 34074	840003131668238						
OCD DAWSON 34078	840003131668242						
OCD DAWSON 34080	840003131668244						
OCD DAWSON 34082	840003131668246						
OCD DAWSON 34083	840003131668247						
OCD DAWSON 34084	840003131668248						1
OCD DAWSON 34086	840003131668250						
OCD DAWSON 34092	840003131668256						
OCD DAY BAMBI 8796-ET	840003010975593						
OCD DAY BARFLY-ET	840003010975540						1
OCD DECEIVER 3010	840003124024299						
OCD DECEIVER 3011	840003124024300						
OCD DECEIVER 3016	840003124024305						
OCD DECEIVER 3019	840003124024308						3
OCD DEFENDER 2480-ET	840003013464102						
OCD DEFENDER 2484-ET	840003013464106						
OCD DEFENDER 34685	840003131668849						
OCD DEFENDER BAMBI-ET	840003013464477						
OCD DEFENDER DAHLIA-ET	840003013463903						
OCD DEL BENCHWARMER 4251-ET	840003127421875						
OCD DEL BENCHWARMER 4253-ET	840003127421877						
OCD DEL BENCHWARMER 4256-ET	840003127421880						
OCD DEL BENCHWARMER 4257-ET	840003127421881						
OCD DEL BENCHWARMER 4258-ET	840003127421882						
OCD DEL BENCHWARMER 4264-ET	840003127421888						

**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
OCD DEL BENCHWARMER 4267-ET	840003127421891						
OCD DEL BENCHWARMER 4488-ET	840003127422112						
OCD DEL BENCHWARMER 4518-ET	840003127422142						
OCD DELHI LAVAGE 35891-ET	840003133107181						
OCD DELT JELLYBEAN 34211-ET	840003131668375					C	
OCD DELT JELLYBEAN 34250-ET	840003131668414						
OCD DELTA 33323-ET	840003127602015					C	
OCD DELTA 33329-ET	840003127602021					C	
OCD DELTA 33340-ET	840003127602032						
OCD DELTA 33343-ET	840003127602035					C	
OCD DELTA 33349-ET	840003127602041						
OCD DELTA 33356-ET	840003127602048						
OCD DELTA 34413	840003131668577						
OCD DELTA 34974-ET	840003131669138						
OCD DELTA 35144-ET	840003133106434						
OCD DELTA 35166-ET	840003133106456						
OCD DELTA 35533-ET	840003133106823						
OCD DELTA 35560-ET	840003133106850						
OCD DELTA 4624-ET	840003127422248					C	
OCD DELTA 4627-ET	840003127422251					C	
OCD DELTA BABY 3891-ET	840003124025180						
OCD DELTA BABY 3899-ET	840003124025188						
OCD DELTA BABY 4207-ET	840003127421831						
OCD DELTA BABY 4211-ET	840003127421835						
OCD DELTA BABY 4215-ET	840003127421839						
OCD DELTA BABY 4216-ET	840003127421840						
OCD DELTA BARBIE 34458-ET	840003131668622			C			
OCD DELTA BARBIE 34499-ET	840003131668663			C			
OCD DELTA BARBIE 34604-ET	840003131668768						
OCD DELTA BARBIE 34610-ET	840003131668774			C			
OCD DELTA BARBIE 34616-ET	840003131668780						
OCD DELTA BARBIE 34622-ET	840003131668786			C			
OCD DELTA BARBIE 34623-ET	840003131668787						
OCD DELTA BOOKIE 34484-ET	840003131668648						
OCD DELTA BOOKIE 34977-ET	840003131669141						
OCD DELTA BOOKIE 34991-ET	840003131669155						
OCD DELTA BREN 34861-ET	840003131669025						
OCD DELTA BREN 34866-ET	840003131669030						
OCD DELTA CAITLYN 4533-ET	840003127422157						
OCD DELTA EARLY 34407-ET	840003131668571						
OCD DELTA EARLY 34462-ET	840003131668626						
OCD DELTA EARLY 34962-ET	840003131669126						
OCD DELTA EARLY 34963-ET	840003131669127						
OCD DELTA FASTCO 35290-ET	840003133106580						
OCD DELTA FASTCO 35291-ET	840003133106581						

**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
OCD DELTA FASTCO 35798-ET	840003133107088						
OCD DELTA FRANCES 34885-ET	840003131669049						
OCD DELTA FRANCES 34896-ET	840003131669060						
OCD DELTA FRANCES 34899-ET	840003131669063						
OCD DELTA GARNER 34293-ET	840003131668457						
OCD DELTA GARNER 34912-ET	840003131669076						
OCD DELTA LACI 4606-ET	840003127422230						
OCD DELTA LACI 4610-ET	840003127422234						
OCD DELTA LAVAGE 34285	840003131668449						
OCD DELTA LAVAGE 4260-ET	840003127421884						
OCD DELTA LISA 34271-ET	840003131668435						
OCD DELTA LISA 34283-ET	840003131668447						
OCD DELTA LORALIE 33886-ET	840003127602578						
OCD DELTA LORALIE 34178-ET	840003131668342						
OCD DELTA LORALIE 34810-ET	840003131668974						
OCD DELTA LORALIE 34811-ET	840003131668975						
OCD DELTA LORALIE 34827-ET	840003131668991						
OCD DELTA LORALIE 34829-ET	840003131668993						
OCD DELTA MENNA 34187-ET	840003131668351						
OCD DELTA MENNA 34847-ET	840003131669011						
OCD DELTA MENNA 34851-ET	840003131669015						
OCD DELTA MISSY 3889-ET	840003124025178						
OCD DELTA MISSY 3892-ET	840003124025181						
OCD DELTA MISSY 3893-ET	840003124025182						
OCD DELTA MISSY 3895-ET	840003124025184						
OCD DELTA MISSY 3897-ET	840003124025186						
OCD DELTA MISSY 3900-ET	840003124025189						
OCD DELTA MISSY 4144-ET	840003127421768						
OCD DELTA MISSY 4201-ET	840003127421825						
OCD DELTA MISSY 4203-ET	840003127421827						
OCD DELTA MISSY 4206-ET	840003127421830						
OCD DELTA MISSY 4209-ET	840003127421833						
OCD DELTA MISSY 4210-ET	840003127421834						
OCD DELTA MISSY 4212-ET	840003127421836						
OCD DELTA MISSY-ET	840003127421826						
OCD DELTA MOTIVATE 35516-ET	840003133106806						
OCD DELTA MOTIVATE 35541-ET	840003133106831						
OCD DELTA NAPPY 4746-ET	840003127422370						
OCD DELTA NAPPY 4755-ET	840003127422379						
OCD DELTA RAE 34906-ET	840003131669070						
OCD DELTA RAE 4278-ET	840003127421902						
OCD DELTA RAE 4528-ET	840003127422152						
OCD DELTA RAEDEN 33887-ET	840003127602579						
OCD DELTA RAEDEN 34881-ET	840003131669045						
OCD DELTA RUTHIE 4609-ET	840003127422233						

**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
OCD DELTA SAFARI 35542-ET	840003133106832						
OCD DELTA SOY 33889-ET	840003127602581						
OCD DELTA SOY 33998-ET	840003127602690						
OCD DELTA SOY 34106-ET	840003131668270						
OCD DELTA SOY 34119-ET	840003131668283						
OCD DELTA SOY 4682-ET	840003127422306						
OCD DENV BARBIE 35537-ETS	840003133106827						
OCD DENV BARBIE 35538-ETS	840003133106828						
OCD DENVER BARBIE 35573-ET	840003133106863			C			
OCD DENVER FRANCES 36220-ET	840003134443744						
OCD DENVER FRANCES 36231-ET	840003134443755						
OCD DENVER FRANCES 36664-ET	840003134444188						
OCD DENVER FRANCES 36667-ET	840003134444191						
OCD DENVER FRANCES 36691-ET	840003134444215						
OCD DENVER MENNA 35353-ET	840003133106643						
OCD DENVER TABORA 34619-ET	840003131668783						
OCD DENVER TABORA 34631-ET	840003131668795						
OCD DENVER TABORA 34639-ET	840003131668803						
OCD DENVER TABORA 34662-ET	840003131668826						
OCD DENVER TABORA 34683-ET	840003131668847						
OCD DENVER TABORA 34767-ET	840003131668931						
OCD DERWOO SURPASS 35507-ET	840003133106797						
OCD DERWOO SURPASS 35558-ET	840003133106848						
OCD DETOUR ASIA-ET	840003010974894						
OCD DETOUR DAFFODIL-RED-ET	840003010975179						
OCD DETOUR DAISY-RED-ET	840003010975101						
OCD DETOUR DALLAS-RED-ET	840003010974958						
OCD DETOUR DELPHINE-RED-ET	840003010975125						
OCD DETOUR DENALI-RED-ET	840003010975158						
OCD DETOUR DESTINY-RED-ET	840003010975119						
OCD DETOUR DYNAMIC-RED-ET	840003010974993						
OCD DETOUR MS ALLIE-RED-ET	840003010974908						
OCD DEYJA 3639-ET	840003124024928						
OCD DIAMOND DAKOTA-ET	840003013463791			C		C	
OCD DIAMOND DISARONNO-ET	840003013463752					C	
OCD DION 36641	840003134444165						
OCD DION FRANCES 35816	840003133107106						
OCD DISTILLER 35582	840003133106872						
OCD DISTINC FAYETTEVILLE-ET	840003013464437						
OCD DISTINCTION 2311-ET	840003013463933						
OCD DISTINCTION 2313-ET	840003013463935						
OCD DISTINCTION 2318-ET	840003013463940						
OCD DISTINCTION 2336-ET	840003013463958						
OCD DISTINCTION 9887-ETS	840003011890135						
OCD DISTINCTION FARGO-ET	840003013464429			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
OCD DISTINCTION FONTANA-ET	840003013464445						
OCD DISTINCTION FRESNO-ET	840003013464438						
OCD DISTINCTION LACKEY-ET	840003013463828						
OCD DISTINCTION PAMMY-ET	840003013463707						
OCD DISTINCTION PAULA-ET	840003013463700						
OCD DISTINCTION PAULINA-ET	840003013463710						
OCD DLFINO DELFINO 4213-ET	840003127421837		C				
OCD DOGMA-P CANTEEN-ET	840003124024652						
OCD DOLLARS 3271	840003124024560						
OCD DOLLARS 3278	840003124024567						
OCD DOLLARS 3332	840003124024621						
OCD DOMAIN BANTER-ET	840003006989054						
OCD DOMAIN BASIL-ET	840003008315355						
OCD DOMAIN BELINDA-ET	840003008315375						
OCD DOMAIN BELLE-ET	840003006989064						
OCD DOMAIN BUTTERMILK-ET	840003008315354						
OCD DOMIN CADENCE-ET	840003013464499						
OCD DOMIN CAITLIN-RED-ET	840003013464480					C	
OCD DOMIN CANDY-ET	840003013464517						
OCD DOMINANT 2463-ET	840003013464085					C	
OCD DOMINANT DAISY-RED-ET	840003124024610					C	
OCD DOMINANT DAZZLE-RED-ET	840003124024638					C	
OCD DOMINICK 31219	840003014365006						
OCD DONATEL FIDDLESTICK-ET	840003010975551						
OCD DONATELLO 2016	840003013463638						
OCD DONATELLO 2042	840003013463664						
OCD DONATELLO 2060	840003013463682						
OCD DONATELLO 2086	840003013463708						
OCD DONATELLO 2124	840003013463746						
OCD DONATELLO 2151	840003013463773						
OCD DONATELLO 2198	840003013463820						
OCD DONATELLO 2212	840003013463834						
OCD DONATELLO 33725	840003127602417						
OCD DONATELLO 33768	840003127602460						
OCD DONATELLO 33778	840003127602470						1
OCD DONATELLO 33919	840003127602611						
OCD DONATELLO 33925	840003127602617						
OCD DONATELLO 33934	840003127602626						
OCD DONATELLO 33949	840003127602641						
OCD DONATELLO 33972	840003127602664						
OCD DONATELLO 34157	840003131668321						
OCD DONATELLO 34176	840003131668340						
OCD DONATELLO 34265	840003131668429						
OCD DONATELLO 4193	840003127421817						
OCD DONATELLO 4304	840003127421928						

**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
OCD DONATELLO 4473	840003127422097						
OCD DONATELLO 9188	840003011889436						
OCD DONATELLO 9205	840003011889453			C			
OCD DONATELLO 9228	840003011889476						
OCD DONATELLO 9232	840003011889480						
OCD DONATELLO 9286	840003011889534						
OCD DONATELLO 9308	840003011889556						
OCD DONATELLO 9316	840003011889564					C	
OCD DONATELLO 9351	840003011889599						
OCD DONATELLO 9358	840003011889606						
OCD DONATELLO 9468	840003011889716						
OCD DONATELLO 9576	840003011889824						
OCD DONATELLO 9717	840003011889965						
OCD DONATELLO 9747	840003011889995						
OCD DONATELLO 9748	840003011889996					C	
OCD DONATELLO 9750	840003011889998						
OCD DONATELLO 9755	840003011890003						
OCD DONATELLO 9968	840003011890216						
OCD DONATELLO ABIGAIL-ET	840003010975480					C	
OCD DONATELLO ATHLETE-ET	840003010975448						
OCD DONATELLO BAMBI 8687-ET	840003010975484						
OCD DONATELLO CINERGY 34278	840003131668442						
OCD DONATELLO FEMINIST-ET	840003010975552						
OCD DONATELLO FINALE-ET	840003010975425						
OCD DONATELLO FLAMINGO-ET	840003010975416						
OCD DONATELLO FREEZE-ET	840003010975441						
OCD DONATELLO FROST-ET	840003010975435						
OCD DONATELLO LANSBURY-ET	840003010975455						
OCD DONATELLO LILAC-ET	840003010975440						
OCD DONATELLO SAFARI-ET	840003010975573						
OCD DONATELLO SAMOA-ET	840003010975428						
OCD DONATELLO SANDY-ET	840003010975576						
OCD DONATELLO SOLARIS-ET	840003010975463						
OCD DONATELLO TERSE-ET	840003010975548						
OCD DOORMAN 2552	840003013464174						
OCD DOORMAN 9689-ET	840003011889937					C	
OCD DOORMAN BRIGHT LIGHT-ET	840003011890043					C	
OCD DOORMAN DABBLE-ET	840003011889957					C	
OCD DOORMAN DANCER-ET	840003011889994						
OCD DOORMAN DESIGNER-ET	840003011890226						
OCD DOORMAN DISSECT-ET	840003011890238					C	
OCD DOORMAN DIZZY-ET	840003013463629					C	
OCD DOORMAN JACKIE-ET	840003011890013						
OCD DOORMAN JELLYBEAN-ET	840003011889977					C	
OCD DOORMAN MISTY 9953-ET	840003011890201					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
OCD DOORSOP LAVAGE 35052-ET	840003133106342					C	
OCD DOORSOPE HUATA 36434-ET	840003134443958					C	
OCD DOORSOPE LAVAGE 4841-ET	840003127422465	C					
OCD DORCY DYNAMITE-ET	840003006989168						
OCD DORCY MARIGOLD-ET	840003006989289						
OCD DORCY MEMPHIS EVE-ET	840003006989400						
OCD DORCY MERRY-ET	840003006989401						
OCD DRAC AUTHORITY 34436-ET	840003131668600						1
OCD DRAC AUTHORITY 34445-ET	840003131668609						1
OCD DRAC AUTHORITY 34459-ET	840003131668623						1
OCD DRAC AUTHORITY 34479-ET	840003131668643						1
OCD DRAC AUTHORITY 34971-ET	840003131669135						
OCD DRACO 10105 34835-ET	840003131668999						
OCD DRACO 34185-ET	840003131668349						1
OCD DRACO 34201-ET	840003131668365						
OCD DRACO 34214-ET	840003131668378						1
OCD DRACO 34216-ET	840003131668380						1
OCD DRACO 34226-ET	840003131668390						1
OCD DRACO 34854-ET	840003131669018						
OCD DRACO 34873-ET	840003131669037						1
OCD DRACO 35284-ET	840003133106574						1
OCD DRACO 35819-ET	840003133107109						1
OCD DRACO 36024-ET	840003134443548						
OCD DRACO COCONUT 34200-ET	840003131668364						1
OCD DRACO COCONUT 4832-ET	840003131668996						
OCD DRACO DETROIT 4691-ET	840003127422315						1
OCD DRACO FAME 35837-ET	840003133107127						1
OCD DRACO FAME 35848-ET	840003133107138						1
OCD DRACO FISCHER 35361-ET	840003133106651						1
OCD DRACO FISCHER 35892-ET	840003133107182						
OCD DRACO FISCHER 36401-ET	840003134443925						
OCD DRACO FISCHER 36410-ET	840003134443934						1
OCD DRACO FRISCO 35832-ET	840003133107122						1
OCD DRACO FRISCO 36497-ET	840003134444021						1
OCD DRACO LORALIE 33740-ET	840003127602432						1
OCD DRACO LORALIE 33765-ET	840003127602457						1
OCD DRACO LORALIE 4661-ET	840003127422285						1
OCD DRACO MISTY 4684-ET	840003127422308						1
OCD DRACO POPPER 34234-ET	840003131668398						
OCD DRACO POPPER 34843-ET	840003131669007						
OCD DRACO RAEDEN 34182-ET	840003131668346						
OCD DRACO RAEDEN 34824-ET	840003131668988						
OCD DRACO RAEDEN 34825-ET	840003131668989						1
OCD DRACO RAEDEN 34839-ET	840003131669003						
OCD DRACO RAEDEN 34845-ET	840003131669009						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
OCD DRACO RAEDEN 4675-ET	840003127422299						1
OCD DRACO RAEDEN 4676-ET	840003127422300						1
OCD DRACO RAEDEN 4687-ET	840003127422311						1
OCD DRACO SHARP 36255-ET	840003134443779						
OCD DRACO SHARP 36263-ET	840003134443787						1
OCD DRACO SHARP 36277-ET	840003134443801						
OCD DRACODETROI 4694-ET	840003127422318						1
OCD DRAGONHEART 2485	840003013464107						
OCD DRAGONHEART 2491-TW	840003013464113						
OCD DRAGONHEART 2492-TW	840003013464114						
OCD DRAGONHEART 2500	840003013464122						
OCD DRAGONHEART 2966	840003013464588						1
OCD DRAGONHEART 2981	840003013464603						
OCD DRAGONHEART 3307	840003124024596						
OCD DRAGONHEART 3315	840003124024604						
OCD DRAGONHEART 3694	840003124024983			C			
OCD DRAGONHEART 3701	840003124024990						
OCD DRAGONHEART 3746	840003124025035						
OCD DRAGONHEART 3759	840003124025048						
OCD DRAGONHEART 3777	840003124025066						
OCD DRAGONHEART 3786	840003124025075						
OCD DRAGONHEART 4083	840003127421707						
OCD DRAGONHEART 4165	840003127421789						
OCD DRESSER 3983	840003124025272						
OCD DRESSER 4055	840003127421679						
OCD DRESSER 4160	840003127421784						
OCD DUDE WHERE'S MY CAR-ET	840003009533061						1
OCD DUFNER 2464-ET	840003013464086						
OCD DUFNER 2470-ET	840003013464092						
OCD DUFNER 3276	840003124024565						
OCD DUFNER 3279	840003124024568						
OCD DUFNER 3283	840003124024572						
OCD DUFNER 3302	840003124024591						
OCD DUFNER 3313	840003124024602						
OCD DUFNER 3314	840003124024603						
OCD DUFNER 3319	840003124024608						
OCD DUFNER 3329	840003124024618						
OCD DUFNER 3330	840003124024619						
OCD DUFNER 3335	840003124024624						
OCD DUFNER 3343	840003124024632						
OCD DUFNER 3453-TW	840003124024742						
OCD DUFNER 3454-TW	840003124024743						
OCD DUFNER 3716	840003124025005						
OCD DUNDEE MILWAUKEE-ET	840003001603808						
OCD EARNIT EBONI-ET	840003004202338					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
OCD EARNIT ELSIE-ET	840003004202336					C	
OCD EARNIT ETHEL-ET	840003004202324						
OCD ELITE EVITA-ET	840003006989452						
OCD EMBASSY 3828	840003124025117						
OCD EPIC ADVENTURE-ET	840003009533659						
OCD EPIC AMY 7826-ET	840003009533646					C	
OCD EPIC CLAIRE DANES-ET	840003011889329						
OCD EPIC DARBY-ET	840003011889320						
OCD EPIC DAYDREAM-ET	840003011889315						
OCD EPIC ELITE-ET	840003006989449						
OCD EPIC FAINTING GOAT-ET	840003009533377						
OCD ERASE ZANETA 4049-ET	840003127421673						
OCD ERASE ZANETA 4050-ETS	840003127421674						
OCD ERASER 9308 4602-ET	840003127422226						
OCD ERASER DANBURY 33330-ET	840003127602022					C	
OCD ERASER DANBURY 33359-ET	840003127602051						
OCD ERASER DANBURY 33364-ET	840003127602056					C	
OCD ERASER DANBURY 4750-ET	840003127422374					C	
OCD ERASER DANBURY 4753-ET	840003127422377						
OCD ERASER LILAC 4265-ET	840003127421889						
OCD ERASER LILAC 4539-ET	840003127422163						
OCD ERASER-P ZANETA 3846-ET	840003124025135						
OCD ERASER-P ZANETA 3857-ET	840003124025146						
OCD EXPLODE 26981	840003008315242						
OCD EXPLODE 7550	840003009533370						
OCD EXPLODE BAMBI-ET	840003009533112						1
OCD FEVER 7897	840003009533717						
OCD FEVER ROCKSTAR-ET	840003010975250						
OCD FEVER TILA TEQUILA-ET	840003009533514						
OCD FINEST TECATE-ET	840003003685175						
OCD FLAME FREEWILLY 4607-ET	840003127422231						
OCD FLAME HUATA 4736-ET	840003127422360						
OCD FLAME SHINE 4562-ET	840003127422186						
OCD FLAMER 34670	840003131668834						
OCD FLASH GORDON 4129	840003127421753						
OCD FLASH GORDON 4180	840003127421804						
OCD FOREVER PONDER 3152-ET	840003124024441						
OCD FOREVER PONDER 3726-ET	840003124025015						
OCD FOX 2481	840003013464103						
OCD FOX 2863	840003013464485						
OCD FOX 2869	840003013464491						
OCD FOX 2872	840003013464494						
OCD FOX 2874	840003013464496						
OCD FOX 3317	840003124024606						
OCD FOX 3338	840003124024627						

**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
OCD FREDDIE 7336	840003009533156						
OCD FREDDIE DAMSEL-ET	840003008315301						
OCD FREDDIE DIABLO-ETS	840003008315289						
OCD FREDDIE DORITO-ETS	840003008315288						
OCD FREDDIE EVERLAST-ET	840003008315284						
OCD FREDDIE GANGBUSTER-ET	840003009532840						
OCD G CHIP MERYL STREEP-ET	840003009532903						
OCD GABOR SPORT-ET	840003006988806						
OCD GALAXY GOLD-ET	840003011889629						
OCD GALAXY SEATTLE-ET	840003011889631						
OCD GALAXY SUZUKI-ET	840003011889642						
OCD GC SANDRA BULLOCK-ET	840003009532927						
OCD GIANT SURPASS 35872-ET	840003133107162						
OCD GILLESPIE 8805	840003010975602				C		
OCD GOLD CHIP DASHER-ET	840003008316136						
OCD GOLD CHIP DEVOTION-ET	840003008316217						
OCD GOLD CHIP DIANA-ET	840003009532830						
OCD GOLD CHIP DORA-ET	840003008316107						
OCD GOLD CHIP DREAM-ET	840003008316194						
OCD GOLD CHIP DYNAMITE-ET	840003008316128						
OCD GOLD CHIP SIENNA-ET	840003013464324						
OCD GOLD TORNADO-ET	840003008315749						1
OCD GONZO 7309	840003009533129						
OCD GONZO SALMA HAYEK-ET	840003009532952						
OCD GRAF PAJAMA PARTY-ET	840003009533049						1
OCD GRAFEETI PURPLE RAIN-ET	840003009533057						1
OCD GREENDAY 3616	840003124024905						
OCD GREENDAY 3680	840003124024969						
OCD GREENDAY 3748	840003124025037						
OCD GREENWAY 3795	840003124025084						
OCD GREENWAY CADDY-ET	840003124024669						
OCD GREENWAY CARNATION-ET	840003124024661						
OCD GREENWAY CARRIE-ET	840003124024648						
OCD GREENWAY COLORFUL-ET	840003124024665						
OCD GUTHRIE 8696	840003010975493						
OCD GUTHRIE DOLL FACE-ET	840003010975621						
OCD GW ATWOOD TIGER-ET	840003124024491						
OCD HAGAR 2343-ET	840003013463965						1
OCD HAGAR 2402	840003013464024						
OCD HAGAR 2666	840003013464288						
OCD HAGAR 2678	840003013464300						
OCD HAGAR 2679	840003013464301	C					
OCD HAGAR 2714	840003013464336						3
OCD HAGAR 2726	840003013464348						
OCD HAGAR 2751	840003013464373						

**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
OCD HAGAR 2778	840003013464400						
OCD HAGAR 2788	840003013464410						
OCD HAGAR MIDAS 2759	840003013464381						
OCD HALBER FISCHER 35865-ET	840003133107155						
OCD HALBERT 35871-ET	840003133107161						
OCD HALBERT ACTION 35193-ET	840003133106483						
OCD HALBERT FAME 35835-ET	840003133107125						
OCD HALBERT FAME 35838-ET	840003133107128						
OCD HALBERT FAME 35846-ET	840003133107136						
OCD HALBERT SHARP 35174-ET	840003133106464						
OCD HALBERT SHARP 35729-ET	840003133107019						
OCD HALBERT SHARP 35731-ET	840003133107021						
OCD HALBERT SNAPPY 36068-ET	840003134443592						
OCD HALBERT SNAPPY 36099-ET	840003134443623						
OCD HALOGEN 2345-ET	840003013463967						
OCD HALOGEN 2346-ET	840003013463968						
OCD HALOGEN 2350-ET	840003013463972						
OCD HALOGEN 2358-ET	840003013463980						
OCD HALOGEN 2362-ET	840003013463984						
OCD HALOGEN 2365-ET	840003013463987						
OCD HALOGEN 2371-ET	840003013463993						
OCD HALOGEN 2372-ET	840003013463994						
OCD HALOGEN 2450-ET	840003013464072						
OCD HALOGEN 2598-ET	840003013464220						
OCD HALOGEN 3108-ET	840003124024397						
OCD HALOGEN 3111-ET	840003124024400						
OCD HALOGEN 3117-ET	840003124024406					C	
OCD HALOGEN 3119-ET	840003124024408					C	
OCD HALOGEN 3681-ET	840003124024970						
OCD HALOGEN 3687-ET	840003124024976						
OCD HALOGEN ACE 3154-ET	840003124024443						
OCD HALOGEN ACE 3756-ET	840003124025045						
OCD HALOGEN ACE 3757-ET	840003124025046						
OCD HALOGEN ACE 3760-ET	840003124025049						
OCD HALOGEN ACE 3764-ET	840003124025053						
OCD HALOGEN ADOBE-ET	840003013464334						
OCD HALOGEN DANBURY 3689-ET	840003124024978					C	
OCD HALOGEN FAITH-ET	840003013464318						
OCD HALOGEN FANTASY-ET	840003013464461						
OCD HALOGEN FLORRIE-ET	840003013464487						
OCD HALOGEN FRISCO-ET	840003013464413						
OCD HALOGEN MADDY-ET	840003013464175						
OCD HALOGEN MAMBO-ET	840003013464184						
OCD HALOGEN MS FRISCO-ET	840003013464427						
OCD HALOGEN PASADENA-ET	840003013464422						

**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
OCD HALOGEN SAFARI-ET	840003013464195						
OCD HEADLINER 8807	840003010975604						
OCD HEADLINER BETSEY 8530	840003010975327						
OCD HEADLINER DAMARA-ET	840003010975162						
OCD HEADLINER DANBURY-ET	840003010975209						
OCD HEADLINER DANGLE-ET	840003010975393						
OCD HEADLINER DISCO-ET	840003010975342			C			
OCD HEADLINER SALMA-ET	840003010975172						1
OCD HEADLINR DAMARA-ET	840003010975366			C			
OCD HEIN BUTTERNUT 36106-ET	840003134443630						
OCD HEIN BUTTERNUT 36413-ET	840003134443937						
OCD HEIN BUTTERNUT 36419-ET	840003134443943						
OCD HEINZ 36097-ET	840003134443621						
OCD HEINZ DAFFY 36440-ET	840003134443964						
OCD HEINZ FUJI 36118-ET	840003134443642						
OCD HEINZ FUJI 36139-ET	840003134443663						
OCD HEINZ LAVAGE 36683-ET	840003134444207						
OCD HEINZ SHARP 35900-ET	840003133107190						
OCD HEINZ SHARP 36430-ET	840003134443954						
OCD HEINZ SHIMMER 36462-ET	840003134443986						
OCD HERO 2570	840003013464192						
OCD HERO 7891	840003009533711						
OCD HERO JACLYN-ET	840003010974814					C	
OCD HERO T HURRICANE	USA 72206594						
OCD HOT ARMAGEDDON 34640-ET	840003131668804					C	
OCD HOTSHO ADALYNN 34641-ET	840003131668805					C	
OCD HOTSHO ADALYNN 34657-ET	840003131668821					C	
OCD HOTSHO ADALYNN 34661-ET	840003131668825					C	
OCD HOTSHO FELISHA 36684-ET	840003134444208					C	
OCD HOTSHO FISCHER 34665-ET	840003131668829						
OCD HOTSHO FISCHER 35308-ET	840003133106598						
OCD HOTSHO FISCHER 35343-ET	840003133106633					C	
OCD HOTSHO FISCHER 35368-ET	840003133106658					C	
OCD HOTSHOT BARBIE 34612-ET	840003131668776			C		C	
OCD HOTSHOT CADY 35116-ET	840003133106406					C	
OCD HOTSHOT CADY 35520-ET	840003133106810						
OCD HOTSHOT CADY 35521-ET	840003133106811						
OCD HOTSHOT DAFFY 35553-ET	840003133106843					C	
OCD HOTSHOT DAFFY 35569-ET	840003133106859						
OCD HOTSHOT DANNY 34611-ET	840003131668775						
OCD HOTSHOT DANNY 34636-ET	840003131668800						
OCD HOTSHOT LILAC 35551-ET	840003133106841						
OCD HOTSHOT LILAC 35565-ET	840003133106855						
OCD HVEZDA LANA-ET	840003011889270						
OCD HVEZDA LOOPY-ET	840003011889269						

**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
OCD HVEZDA LOTTO-ET	840003010975782						
OCD IOTA BANDANA 2-ETN	840003124024992						1
OCD IOTA BANDANA-ET	840003008315984						1
OCD IOTA BETTY PAIGE-ET	840003008316001						
OCD IOTA MYSTIC-ET	840003008316234						
OCD IOTA SAVANNAH-ET	840003008315857						
OCD IOTA SHIRAZ-ET	840003008316213						1
OCD JABIR 2397-ET	840003013464019						
OCD JABIR 2399-ET	840003013464021						
OCD JABIR 2401-ET	840003013464023						
OCD JABIR 2435-ET	840003013464057						
OCD JABIR 2446-ET	840003013464068						
OCD JABIR 2458-ET	840003013464080						
OCD JABIR 2465-ET	840003013464087						
OCD JABIR 2796-ET	840003013464418						
OCD JABIR 2814-ET	840003013464436						
OCD JABIR 2817-ET	840003013464439						
OCD JABIR 3005-ET	840003124024294						
OCD JABIR 3008-ET	840003124024297						
OCD JABIR 3346	840003124024635						
OCD JABIR 3357	840003124024646						
OCD JABIR 3393	840003124024682						
OCD JABIR 3397	840003124024686						
OCD JABIR 3402	840003124024691						
OCD JABIR ABBEY-ET	840003124024613						
OCD JABIR ADALYNN-ET	840003124024583						
OCD JABIR ARISTOCRAT-ET	840003124024667						
OCD JABIR ATHENS-ET	840003013464428						
OCD JABIR BALANCE-ET	840003013464222						
OCD JABIR BARMAID-ET	840003013464339						
OCD JABIR BIRMINGHAM-ET	840003013464443						
OCD JABIR CALIENTE-ET	840003013464380						
OCD JABIR CANDYCANE-ET	840003013464384						
OCD JABIR DANA-ET	840003124024670						
OCD JABIR DAQUIRI 3816-ET	840003124025105						
OCD JABIR DARBY 3394-ET	840003124024683						
OCD JABIR ELLA 2749-ET	840003013464371						
OCD JABIR ESTHER 2743-ET	840003013464365						
OCD JABIR EVANSVILLE-ET	840003013464416						
OCD JABIR MASTER-ET	840003013464217						
OCD JABIR MENTOR-ET	840003013464202						
OCD JABIR MOTIVATE-ET	840003013464199						
OCD JABIR PAIGE-ET	840003013464498						
OCD JABIR PALM BEACH-ET	840003013464516						
OCD JABIR PANSY-ET	840003013464492						

**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
OCD JABIR PATIENCE-ET	840003013464490						
OCD JABIR PEARL-ET	840003013464478						
OCD JACEY 2407-ET	840003013464029						
OCD JACEY 2409-ET	840003013464031						
OCD JACEY 2413-ET	840003013464035						
OCD JACEY 2417-ET	840003013464039						
OCD JACEY 2420-ET	840003013464042						
OCD JACEY 2421-ET	840003013464043						
OCD JACEY 2422-ET	840003013464044						
OCD JACEY 2425-ET	840003013464047						
OCD JACEY 2434-ET	840003013464056			C			
OCD JACEY 3043-ET	840003124024332						
OCD JACEY AGNES-ET	840003124024599						
OCD JACEY AMELIA-ET	840003124024612						
OCD JACEY ARISTOCRAT-ET	840003124024615						
OCD JACEY BOMBA-ET	840003013464385						
OCD JACEY COCONUT 2774-ET	840003013464396						
OCD JACEY LEONA-ET	840003013464253						
OCD JACKMAN 2050	840003013463672			C			
OCD JACKMAN 2103-ET	840003013463725			C			
OCD JACKMAN 2322-ET	840003013463944			C			
OCD JACKMAN BABY BOOM-ET	840003011247974			C			
OCD JACKMAN BARBIE-ET	840003013463685			C			
OCD JACKMAN BIMBO-ET	840003013463667						
OCD JACKMAN BORA BORA-ET	840003013463683						
OCD JADE 2502	840003013464124						1
OCD JEDI APPRAISE 36243-ET	840003134443767						
OCD JEDI APPRAISE 36244-ET	840003134443768						
OCD JEDI BARBIE 36661-ET	840003134444185					C	
OCD JEDI GARNER 36678-ET	840003134444202					C	
OCD JEEVES JELLY-ET	840003004202229					C	
OCD JEEVES JUICE-ET	840003004202241					C	
OCD JENNINGS 3732	840003124025021						
OCD JENNINGS 3769	840003124025058						
OCD JEROD 3248	840003124024537						
OCD JET STREAM PAT-ET	USA 63238328						
OCD JET STREAM POISE-ET	USA 63238309						
OCD JETSET 3051-ET	840003124024340						
OCD JETSET 3405	840003124024694						
OCD JETSET 3408	840003124024697						
OCD JETSET 3410	840003124024699						
OCD JETSET 3434	840003124024723						
OCD JETSET 3435	840003124024724	C					
OCD JETSET 3447	840003124024736						1
OCD JETSET 3467	840003124024756						

**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
OCD JETSET 3473	840003124024762		C				
OCD JETSET 3497	840003124024786						
OCD JETSET 3510	840003124024799						
OCD JETSET 3520	840003124024809						
OCD JETSET 3528	840003124024817						
OCD JETSET 3530	840003124024819						
OCD JETSET 3542	840003124024831						
OCD JETSET 3579	840003124024868			C			
OCD JETSET 3632	840003124024921						
OCD JETSET 3718	840003124025007						
OCD JETSET ACE-ET	840003124024717						
OCD JETSET DALI-ET	840003124024710						
OCD JETSET DALLAS-ET	840003124024701						
OCD JETSET LASSIE-ET	840003124024546						1
OCD JETSET LUDICROUS-ET	840003124024542						
OCD JOHNSON COCONUT-ET	840003011890209						
OCD JOHNSON DISCOVER-ET	840003011890219			C			
OCD JOHNSON MISSY 9914-ET	840003011890162						
OCD JOHNSON MISSY 9939-ET	840003011890187			C			
OCD JOHNSON MISTY-ET	840003011890171						
OCD JORDAN DECADANT-ET	840003008315507						
OCD K BOY PEARL 6475-ET	840003126680443						
OCD KADO 3880	840003124025169						3
OCD KINGBO ABILIENE 4294-ET	840003127421918						
OCD KINGBOY 3088-ET	840003124024377						
OCD KINGBOY 3092-ET	840003124024381						
OCD KINGBOY 3096-ET	840003124024385						
OCD KINGBOY 3103-ET	840003124024392		C				
OCD KINGBOY 3107-ET	840003124024396						
OCD KINGBOY 3118-ET	840003124024407						
OCD KINGBOY 3123-ET	840003124024412						
OCD KINGBOY 3125-ET	840003124024414						
OCD KINGBOY 3129-ET	840003124024418						
OCD KINGBOY 3132-ET	840003124024421						
OCD KINGBOY 3144-ET	840003124024433						
OCD KINGBOY 3406-ET	840003124024695						
OCD KINGBOY 3655-ET	840003124024944						
OCD KINGBOY 3666-ET	840003124024955						
OCD KINGBOY 3670-ET	840003124024959						
OCD KINGBOY 3672-ET	840003124024961						
OCD KINGBOY 3678-ET	840003124024967						
OCD KINGBOY 3685-ET	840003124024974						
OCD KINGBOY 3698-ET	840003124024987		C				
OCD KINGBOY 3706-ET	840003124024995						
OCD KINGBOY APPLE 4223-ET	840003127421847						

**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
OCD KINGBOY APPLE 4228-ET	840003127421852						
OCD KINGBOY APPLE 4229-ET	840003127421853						
OCD KINGBOY APPLE 4230-ET	840003127421854						
OCD KINGBOY BREN 3630-ET	840003124024919						
OCD KINGBOY BREN 3708-ET	840003124024997						
OCD KINGBOY BREN 3720-ET	840003124025009						
OCD KINGBOY DANBURY 3841-ET	840003124025130					C	
OCD KINGBOY DANBURY 3843-ET	840003124025132						
OCD KINGBOY FAIRFIELD-ET	840003124024941						
OCD KINGBOY FORT WORTH-ET	840003124024945						
OCD KINGBOY FUJI 3158-ET	840003124024447						
OCD KINGBOY GARTH 3691-ET	840003124024980						
OCD KINGBOY GEORGIA-ET	840003124024870						
OCD KINGBOY HUATA 4604-ET	840003127422228						
OCD KINGBOY HUATA 4707-ET	840003127422331						
OCD KINGBOY JAMA-ET	USA 74158345						
OCD KINGBOY MICKEY-ET	840003124024900						
OCD KINGBOY PANSY 4299-ET	840003127421923						
OCD KINGBOY PANSY 4599-ET	840003127422223						
OCD KINGBOY PAT 6464-ET	840003126680432						
OCD KINGBOY POP 6473-ET	840003126680441						
OCD KINGBOY RAE 3171-ET	840003124024460						
OCD KINGBOY RAE 3172-ET	840003124024461						
OCD KINGBOY RAE 33739-ET	840003127602431						
OCD KINGBOY RAE 33764-ET	840003127602456						
OCD KINGBOY RAE 3783-ET	840003124025072						
OCD KINGBOY RAE 4640-ET	840003127422264						
OCD KINGBOY RAE 4652-ET	840003127422276						
OCD KINGBOY RAEDEN 3823-ET	840003124025112						
OCD KINGBOY RAEDEN 3826-ET	840003124025115						
OCD KINGBOY RAEDEN 4028-ET	840003127421652						
OCD KINGBOY RINGO-ET	840003124024894						
OCD KINGBOY RITZY 3625-ET	840003124024914						
OCD KRAMER SANTA-ET	840003008316172			C			
OCD KRAMER SILLY-ET	840003008316186			C			
OCD KRAMER SINGAPORE-ET	840003008316006			C			
OCD KRUNCH 3244	840003124024533						
OCD KRUNCH MANIFEST-ET	840003010975388						
OCD KRUNCH MASON-ET	840003010975378						
OCD KRUNCH MASQUERADE-ET	840003010975392						
OCD LADD BLONDIE-ET	840003009533177						1
OCD LADD BUBBLES-ET	840003009533160					C	1
OCD LADD BUGS BUNNY-ET	840003009533158					C	
OCD LADD DARYL-ET	840003010974994						
OCD LADD DIRTY WORK-P-ET	840003009533194						

**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
OCD LADD DISCO-ET	840003009533196						1
OCD LADD DIVINE-ET	840003009533212						1
OCD LADD MAN ADIE-ET	840003124024507						
OCD LADD MAN RENEE-RED-ET	840003124024559						
OCD LADD P DELIGHT-ET	840003009533612						
OCD LAKESHORE 8201-TW	840003010974998		C				
OCD LAMB FARMS 7788	840003009533608						
OCD LAMB FARMS 7821	840003009533641						1
OCD LAMB FARMS 8077	840003010974874						
OCD LAMB FARMS 8762	840003010975559		C				
OCD LAMB FARMS 9020	840003011889268						
OCD LAMB FARMS 9227	840003011889475						
OCD LAMB FARMS SPLASH 5253	840003006988880						
OCD LAMBFARMS 3249	840003124024538						1
OCD LAMBFARMS 35312	840003133106602						
OCD LAMBFARMS 35793	840003133107083						
OCD LAMBFARMS 4017	840003127421641						
OCD LAMBFARMS 4096	840003127421720						
OCD LAMBFARMS 4105	840003127421729						
OCD LAMBFARMS 4135	840003127421759						
OCD LAMBFARMS 4152	840003127421776						
OCD LAMBFARMS 4586	840003127422210						
OCD LAMBFARMS 4589	840003127422213						
OCD LAMBFARMS 4715	840003127422339						
OCD LAMBFARMS 7325	840003009533145						
OCD LAMBFARMS 7448	840003009533268						
OCD LAMBFARMS 7467	840003009533287						3
OCD LAMBFARMS 7542	840003009533362			C			4
OCD LANCOME 34164	840003131668328						
OCD LANCOME 34410	840003131668574						
OCD LANCOME 34457	840003131668621						
OCD LANCOME DAYDREAM-ET	840003124024634						
OCD LANCOME DREAMER-ET	840003124024633						
OCD LANCOME ENDURANCE-ET	840003124024687						
OCD LANCOME ENFORCE-ET	840003124024645						
OCD LARGE LASSIE-ET	840003009533221						
OCD LARGE LEGALLY BLONDE-ET	840003009533222						
OCD LARGE LEMONADE-ET	840003009533210						
OCD LARGE LONESOME GLORY-ET	840003009533208						
OCD LATIM VERONICA MARS-ET	840003011889394						
OCD LATIMER BELLYBUTTON-ET	840003011889305						1
OCD LATIMER DISCLOSURE-ET	840003011889260						
OCD LATIMER MABEL-ET	840003011889377						
OCD LATIMER MISS PIGGY-ET	840003011889415						1
OCD LATIMER TABLOID-ET	840003011889317						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
OCD LAUTHORITY MIRABEL-ET	840003011889822						1
OCD LAUTHORITY MONET-ET	840003011889807						
OCD LAVISH-ET	840003127421876						
OCD LAYNE ACES HIGH-ET	840003009533110						
OCD LAYNE AVATAR-ET	840003009533119						
OCD LAYNE DATE NIGHT-ET	840003009533655						1
OCD LEMIEUX 3404	840003124024693			C			1
OCD LEMIEUX 3450	840003124024739			C		C	
OCD LEMIEUX DAEGAN	840003124024740			C		C	1
OCD LEMIEUX EMERALD 3429	840003124024718			C			3
OCD LEVI 2527	840003013464149			C			1
OCD LEVI 2535	840003013464157			C			
OCD LEVI 8872	840003010975669						
OCD LEVI 8915	840003010975712						
OCD LEVI 8998	840003010975795			C			
OCD LG DANBURY-ET	840003011890032						
OCD LIGHTS OUT 3737	840003124025026						
OCD LIQUID GOLD 2324-ET	840003013463946						
OCD LIQUID GOLD 2327-ET	840003013463949						
OCD LIQUID GOLD 2332-ET	840003013463954						
OCD LIQUID GOLD 9929-ET	840003011890177						
OCD LIQUID GOLD 9993-ET	840003011890241						
OCD LIQUID GOLD DARLA-ET	840003011890159						
OCD LIQUID GOLD DEDUCE-ET	840003011890227						
OCD LIQUID GOLD DERBY-ET	840003011890176						
OCD LIQUID GOLD DORITO-ET	840003011890208						
OCD LIQUID GOLD SHIMMY-ET	840003011890190						
OCD LIQUID GOLD SHINY-ET	840003011890189						
OCD LITH PENNY MARSHALL-ET	840003010974984						
OCD LITHIUM ACE VENTURA-ET	840003009533724						
OCD LITHIUM ACTION-ET	840003009533700						
OCD LITHIUM ADELFA-ETS	840003010974906						
OCD LITHIUM ADELPHA-ETS	840003010974907						
OCD LITHIUM AMERICA-ET	840003010974864						
OCD LITHIUM FAJITA-ET	840003009533691						
OCD LITHIUM FAME-ET	840003009533723						
OCD LITHIUM FANNY-ET	840003009533758						
OCD LITHIUM FRAT HOUSE-ET	840003009533671						
OCD LITHIUM FRENCH KISS-ET	840003009533666						
OCD LITHIUM MADAGASCAR-ET	840003010974956						
OCD LITHIUM MARTHA 8144-ET	840003010974941						
OCD LITHIUM MURPHY-ET	840003010974948						
OCD LITHIUM SALSA	840003009533703						1
OCD LITHIUM SAMMY-ET	840003009533651						
OCD LITHIUM SANTA-ET	840003009533630						

**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
OCD LITHIUM SPARKLE 8303	840003010975100						
OCD LITHIUM STAR WARS-ET	840003008315253						
OCD LITHIUM STUCK ON YOU-ET	840003009533761						
OCD LITHIUM SUPER-ET	840003009533649						
OCD LITTLE MISS SUNSHINE-ET	840003009533209						
OCD LMAX DANBURY 4492-ET	840003127422116						
OCD LOOK WHOS TALKING-ET	840003009533203						
OCD LOREN BAFFLE-ET	840003010975553						1
OCD LOREN BELLA 8732-ET	840003010975529						1
OCD LOREN BLUNDER-ET	840003010975510					C	1
OCD LOTTO FREEWILLY 4538-ET	840003127422162						
OCD LOTTO FREEWILLY 4561-ET	840003127422185						
OCD LOTTOMAX ENRICH 4241-ET	840003127421865						
OCD LOTTOMAX ENRICH 4242-ET	840003127421866						
OCD LOTTOMAX ENRICH 4246-ET	840003127421870						
OCD LOTTOMAX ENRICH 4453-ET	840003127422077						
OCD LOTTOMAX ENRICH 4466-ET	840003127422090						
OCD LOTTOMAX ENRICH 4477-ET	840003127422101						
OCD LOTTOMAX HUATA 4512-ET	840003127422136						
OCD LOWERY RAELENE-RED-ET	840003124024551						1
OCD LOWERY RAINE-RED-ET	840003124024570						1
OCD LOWERY RILEY-RED-ET	840003124024544						1
OCD LOWERY ROBIN-RED-ET	840003124024588						1
OCD LUCID DALLAS-ET	840003011890045						
OCD LUCID DARBY-ET	840003011889870			C			
OCD M CHRISTINA AGUILERA-ET	840003009533299						
OCD MACK 2304-ET	840003013463926						
OCD MACK ABU DHABI-ET	840003013463655						
OCD MACK ALLOCATE-ET	840003011890235						
OCD MACK AMSTERDAM-ET	840003013463646						
OCD MACK DAFFY-ET	840003013463704						
OCD MACK DANCER-ET	840003013463723						
OCD MACK DANDY-ET	840003013463711						
OCD MACK DANEESHA-ET	840003013463666						
OCD MACK DANNY-ET	840003013463687						
OCD MACK DAREDEVIL-ET	840003013463627						
OCD MACK DARIA-ET	840003013463684						
OCD MACK DESIGN-ET	840003011890228						
OCD MACK DINA-ET	840003013463686						
OCD MACK DIVERSIFY-ET	840003011890225						
OCD MACK DORIS-ET	840003013463669						
OCD MACK DREAMY 9955-ET	840003011890203						
OCD MACK DYNAMO-ET	840003013463689						
OCD MACK DYNO-ET	840003013463678						
OCD MACK FABULOUS-ET	840003013463835						

**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
OCD MACK FANFARE-ET	840003013463768						
OCD MACK FAVOURITE 2225	840003013463847						
OCD MACK FUNDAY-ET	840003013463750						
OCD MACK HAVEN GARNER-ET	840003011890214						
OCD MACK MISS DORIS-ET	840003013463705						
OCD MACK PANCAKE-ET	840003011890212						
OCD MACK PANDA-ET	840003011890213						
OCD MACK PEDESTAL-ET	840003011890210						
OCD MACK POKEY-ET	840003011890217						
OCD MACK POUNCE-ET	840003011890215						
OCD MAG DAYS OF THUNDER-ET	840003009533047						
OCD MAG FAST AND FURIOUS-ET	840003009533068						
OCD MAGICDAY 3311-ET	840003124024600						
OCD MAGICDAY 3446-ET	840003124024735						
OCD MAGICDAY FREEBIRD-ET	840003124024680						
OCD MAGN SUZANNE SOMERS-ET	840003009533012						
OCD MAGNU DREW BARRYMORE-ET	840003009532935						
OCD MAGNUS DAFFY DUCK-ET	840003009533035						
OCD MAGNUS DARBY-ET	840003009533638						
OCD MAGNUS DARIA-ET	840003010974893						
OCD MAGNUS DELEWARE-ET	840003009533643						
OCD MAGNUS DERBY-ET	840003009533635						
OCD MAGNUS DORIS-ET	840003010974900						
OCD MAGNUS FOREVER YOUNG-ET	840003009533076						
OCD MAGNUS FUTURAMA-ET	840003009533073						
OCD MAGNUS KIRSTEN DUNST-ET	840003009532947						
OCD MAIN EVENT 3115-ET	840003124024404						
OCD MAIN EVENT 3120-ET	840003124024409						1
OCD MAIN EVENT 3121-ET	840003124024410						
OCD MAIN EVENT 3127-ET	840003124024416						
OCD MAIN EVENT 3130-ET	840003124024419						
OCD MAIN EVENT 3133-ET	840003124024422						
OCD MAIN EVENT 3696-ET	840003124024985						1
OCD MALLINGER 3856	840003124025145						
OCD MALLINGER 4092	840003127421716						
OCD MALLINGER 4130	840003127421754					C	
OCD MALLINGER 4141	840003127421765						
OCD MALLINGER 4307	840003127421931						
OCD MAN-O-MAN 3240	840003124024529						
OCD MAN-O-MAN BAMBINO-ET	840003008315348						
OCD MAN-O-MAN DASHING-ET	840003006988667						
OCD MAN-O-MAN DELIGHTFUL-ET	840003006988668						
OCD MAN-O-MAN FORGIVE	840003006989208						
OCD MAN-O-MAN HALO	840003006989345					C	
OCD MANIFOLD 2347	840003013463969			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
OCD MANIFOLD 8847	840003010975644						
OCD MARDI GR NOODLE 3157-ET	840003124024446						
OCD MARDI GR NOODLE 3162-ET	840003124024451						
OCD MARDI GR NOODLE 3167-ET	840003124024456						
OCD MARDI GRAS 3066-ET	840003124024355						
OCD MARDI GRAS 3100-ET	840003124024389						
OCD MARDI GRAS 3139-ET	840003124024428						
OCD MARDI GRAS 3140-ET	840003124024429						
OCD MARDI GRAS 3143-ET	840003124024432						
OCD MARDI GRAS 36431	840003134443955						
OCD MARDI GRAS BULLY-ET	840003124024754						
OCD MARDI GRAS ELMIRA-ET	840003124024792						
OCD MARDI GRAS ELVIRA-ET	840003124024802						
OCD MARDI GRAS ENIGMA-ET	840003124024779						
OCD MARDI GRAS MILWAUKEE-ET	840003124024939						
OCD MARIS 4731	840003127422355						
OCD MARSO 33713	840003127602405						1
OCD MARSO 33731	840003127602423						1
OCD MARSO 33733	840003127602425						
OCD MARSO 33744	840003127602436						1
OCD MARSO 33964	840003127602656						
OCD MARSO 33970	840003127602662						1
OCD MARSO 34107	840003131668271						1
OCD MARSO 34108	840003131668272						1
OCD MARSO 34470	840003131668634						1
OCD MARSO 4530	840003127422154						3
OCD MARSO 4536	840003127422160						1
OCD MARSO 4576	840003127422200						1
OCD MARSO 4592	840003127422216						1
OCD MARSO 4721	840003127422345						
OCD MARSO 4742	840003127422366						1
OCD MARSO 4743	840003127422367						3
OCD MARTY FISCHER 36264-ET	840003134443788						
OCD MASEY FAMILY MATTERS-ET	840003010975561			C			
OCD MASSEY 8709-ET	840003010975506						
OCD MASSEY 9770-ET	840003011890018						
OCD MASSEY 9792-ET	840003011890040						
OCD MASSEY ABSTRACT-ET	840003010975554						
OCD MASSEY BEGUILING-ET	840003010975631						
OCD MASSEY DREAM GIRL-ET	840003011889662						
OCD MASSEY DREAM TEAM-ET	840003011889667						
OCD MASSEY FEATHER-ET	840003010975541						
OCD MASSEY FORSEE-ET	840003010975556			C			
OCD MASSEY MABLE-ET	840003010975537						
OCD MATTEL 34197	840003131668361						

**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
OCD MAURICE JAMMIN-ET	840003011889760						
OCD MAURICE JELL 9541-ET	840003011889789						
OCD MAURICE JIFFY-ET	840003011889774						
OCD MAXIMUS 2733	840003013464355						
OCD MAYFIELD 8738	840003010975535						
OCD MAYFIELD DAIQUIRI-ET	840003009533391						
OCD MCCORD 3409	840003124024698						
OCD MCCTCHN FAST FORWARD-ET	840003010974847						
OCD MCCUT FULL THROTTLE-ET	840003010974851						
OCD MCCUTCH CLAIRE DANES-ET	840003010974989						
OCD MCCUTCH FAST COMPANY-ET	840003010974861						
OCD MCCUTCHEN 2036	840003013463658						
OCD MCCUTCHEN 2363	840003013463985						
OCD MCCUTCHEN 2543	840003013464165						
OCD MCCUTCHEN 2551	840003013464173						
OCD MCCUTCHEN 2557	840003013464179						
OCD MCCUTCHEN 2567	840003013464189						1
OCD MCCUTCHEN 2575	840003013464197						
OCD MCCUTCHEN 2576	840003013464198						
OCD MCCUTCHEN 2637	840003013464259						
OCD MCCUTCHEN 9457	840003011889705						
OCD MCCUTCHEN 9458	840003011889706						
OCD MCCUTCHEN 9473-TW	840003011889721						3
OCD MCCUTCHEN 9474-TW	840003011889722						3
OCD MCCUTCHEN 9621	840003011889869						
OCD MCCUTCHEN 9690	840003011889938					C	
OCD MCCUTCHEN 9763	840003011890011						
OCD MCCUTCHEN BALBOA-ET	840003010975409						
OCD MCCUTCHEN BANKOK-ET	840003010975236						1
OCD MCCUTCHEN BANTAM-ET	840003010975430						
OCD MCCUTCHEN DAFNE-ET	840003010974964						
OCD MCCUTCHEN DANA-ET	840003010975133						
OCD MCCUTCHEN DANBURY-ET	840003010975412						
OCD MCCUTCHEN DARBY 9937	840003011890185						
OCD MCCUTCHEN DAWSYN-ET	840003010975128						
OCD MCCUTCHEN DELIGHT 2687	840003013464309						
OCD MCCUTCHEN DELILAH-ET	840003010975115						
OCD MCCUTCHEN DESIREE-ET	840003010975122						
OCD MCCUTCHEN DETROIT-ET	840003010975406						
OCD MCCUTCHEN DINGO-ET	840003010975113						
OCD MCCUTCHEN DUBLIN-ET	840003010975116						
OCD MCCUTCHEN DUCHESS-ET	840003010975107						
OCD MCCUTCHEN FRANCISCA-ET	840003010974837						
OCD MCCUTCHEN FREE BRID-ET	840003010974852						
OCD MCCUTCHEN LAUREN-ET	840003010974892						

**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
OCD MCCUTCHEN LONNIE-ET	840003010974950						
OCD MCCUTCHEN MADELYN-ET	840003010975178						
OCD MCCUTCHEN MADISON-ET	840003010975167						
OCD MCCUTCHEN MAYBN-ET	840003010975180						
OCD MCCUTCHEN SHINE-ET	840003010975221						
OCD MCCUTFAST COMPANY 2-ETN	840003124025012						
OCD MCGIRT 3730	840003124025019						
OCD MEGASIRE 3116-ET	840003124024405						
OCD MEGASIRE 3142-ET	840003124024431						
OCD MEGASIRE 3147-ET	840003124024436						
OCD MEGASIRE 34160	840003131668324						
OCD MEGASIRE 34605	840003131668769						
OCD MEGASIRE 34614	840003131668778						
OCD MEGASIRE 34638	840003131668802						
OCD MEGASIRE DANCER 4673-ET	840003127422297						
OCD MEGASIRE FUJI 3692-ET	840003124024981						
OCD MEGASIRE FUJI 3714-ET	840003124025003						
OCD MEGASIRE RUTHIE 3870-ET	840003124025159						
OCD MEGASIRE RUTHIE 3873-ET	840003124025162						
OCD MEGASIRE RUTHIE 3874-ET	840003124025163						
OCD MEGASIRE RUTHIE 3879-ET	840003124025168						
OCD MEGASIRE RUTHIE 4106-ET	840003127421730						
OCD MEGSIRE DETROIT 3719-ET	840003124025008						
OCD MEGSIRE DETROIT 3727-ET	840003124025016						
OCD MERIDN ALYSSA MILANO-ET	840003011889328						
OCD MEVENT LAFEMME 3771-ET	840003124025060						
OCD MG FAILURE TO LAUNCH-ET	840003009533053						
OCD MI BENCHWARMER 33710-ET	840003127602402						
OCD MICHAEL WHISKEY-ET	840003004202680						
OCD MICHAEL WINDJAMMER-ET	840003004202673						
OCD MIDNIGHT FAME 2675-ET	840003013464297						
OCD MIDNIGHT FARIS-ET	840003013464287						
OCD MILES 2023-ET	840003013463645						
OCD MILES 9984-ET	840003011890232						
OCD MILES DANCE-ET	840003013463724						
OCD MILES DANCER-ET	840003013463871						
OCD MILES DELEWARE-ET	840003013463728						
OCD MILLION DANI-ET	840003004202768						
OCD MILLION DEMI-ET	840003004202758						
OCD MILLION DESTINY-ET	840003004202767		C				
OCD MILLION JELLYBEAN-ET	840003004202436						
OCD MILLION JUICY FRUIT-ET	840003004202433						
OCD MISSOURI DAISY 33774-ET	840003127602466						
OCD MISSOURI DAISY 33924-ET	840003127602616					C	
OCD MISSOURI DAISY 4666-ET	840003127422290						

**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
OCD MITCH 7916	840003009533736						
OCD MIXER MADONNA-ET	840003009533179	C	C				
OCD MIXER MARSHMELLO-ET	840003009533172						
OCD MIXER MIRACLE-ET	840003009533169						
OCD MIXER MONTEGO BAY-ET	840003009533161						
OCD MOCHA JACKI-ET	840003011889443						
OCD MOG JENNIFER ANISTON-ET	840003009533284						
OCD MOGU AUTHORITY 35093-ET	840003133106383						
OCD MOGU AUTHORITY 35105-ET	840003133106395						
OCD MOGUL 3463	840003124024752						
OCD MOGUL 35304-ET	840003133106594						
OCD MOGUL 35336-ET	840003133106626						
OCD MOGUL 35338-ET	840003133106628						
OCD MOGUL 7489-ET	840003009533309						
OCD MOGUL ABRACADABRA-ET	840003009533582						
OCD MOGUL ABYSS-ET	840003009533571						
OCD MOGUL ACE OF BASE-ET	840003009533252						
OCD MOGUL ACTION-ET	840003009533334						
OCD MOGUL ALIBI-ET	840003009533406						
OCD MOGUL APOLLO 13-ETS	840003009533568						
OCD MOGUL ARMAGEDDON-ET	840003009533566						
OCD MOGUL ASHLAND-ET	840003009533537						
OCD MOGUL ASTRODON-ET	840003009533532						
OCD MOGUL BOOKIE 36435-ET	840003134443959						
OCD MOGUL BOOKIE 36441-ET	840003134443965						
OCD MOGUL BOOKIE 36456-ET	840003134443980						
OCD MOGUL BOOKIE 36468-ET	840003134443992						
OCD MOGUL BURLINGTON-ET	840003009533545						1
OCD MOGUL DAISY DUELLER-ET	840003009533376						
OCD MOGUL DAISY-ET	840003010974880						
OCD MOGUL DAKOTA-ET	840003010974883						
OCD MOGUL DANNI 8104-ET	840003010974901						
OCD MOGUL DARWIN-ET	840003010974961						
OCD MOGUL DAYTONA-ET	840003009533354						
OCD MOGUL DELIGHT 7780	840003009533600						
OCD MOGUL DRAGON 8129-ET	840003010974926						
OCD MOGUL ENRICH 35123-ET	840003133106413						
OCD MOGUL FERGIE-ET	840003009533592						
OCD MOGUL FLORENCIA-ET	840003009533620						
OCD MOGUL FONDA-ET	840003009533611						
OCD MOGUL FOOLS GOLD-ET	840003009533675						
OCD MOGUL FRANCE-ET	840003009533631						
OCD MOGUL FREE WILLY-ET	840003009533564						
OCD MOGUL FUJI-ET	840003009533549						
OCD MOGUL FUNNY FARM-ET	840003009533558						

**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
OCD MOGUL FUZZY NAVEL-ET	840003009533390						
OCD MOGUL JENNA FISCHER-ET	840003009533303						
OCD MOGUL KIRSTIE ALLEY-ET	840003009533317						
OCD MOGUL LION KING-ET	840003009533557			C			1
OCD MOGUL SALVADORA-ET	840003009533596						
OCD MOGUL SNAPPY 35519-ET	840003133106809						
OCD MOGUL STEGOSAURUS-ET	840003009533533						
OCD MOGUL SUMMER-ET	840003009533550						
OCD MOGUL TYRA BANKS-ET	840003009533290						1
OCD MOHAWK 2325-ET	840003013463947			C			
OCD MOHAWK 2328-ET	840003013463950						
OCD MOHAWK 2329-ET	840003013463951						
OCD MOHAWK 2393-ET	840003013464015						
OCD MOHAWK 2394-ET	840003013464016						
OCD MOHAWK ADONIS-ET	840003013464312			C			
OCD MOHAWK AMIGO-ET	840003013464329			C			
OCD MOHAWK AMORE-ET	840003013464330						
OCD MOHAWK SEXY 2238-ET	840003013463860			C			
OCD MONT CATERINA 4214-ET	840003127421838						
OCD MONTE FREEWILLY 4261-ET	840003127421885						
OCD MONTE FREEWILLY 4274-ET	840003127421898						
OCD MONTER CATERINA 4147-ET	840003127421771						
OCD MONTER FISCHER 34681-ET	840003131668845						
OCD MONTER FISCHER 34700-ET	840003131668864						
OCD MONTER FISCHER 35339-ET	840003133106629						
OCD MONTERE FRISCO 35822-ET	840003133107112						
OCD MONTEREY 35870	840003133107160						
OCD MONTEREY 36446	840003134443970						
OCD MONTEREY 36470	840003134443994						
OCD MONTEREY DORIS 34408-ET	840003131668572						
OCD MONTEREY LAKOTA 4619-ET	840003127422243						
OCD MONTEREY LAKOTA 4719-ET	840003127422343						1
OCD MONTEREY POPPER 4623-ET	840003127422247						
OCD MONTEREY POPPER 4722-ET	840003127422346						
OCD MONTEREY POPPER 4738-ET	840003127422362						
OCD MONTEREY RUTHIE 4300-ET	840003127421924						
OCD MONTEREY ZANETA 4730-ET	840003127422354						
OCD MONTREAL 34433	840003131668597						
OCD MONTREAL 34448	840003131668612						
OCD MONTROSS 3047-ET	840003124024336						
OCD MONTROSS 3053-ET	840003124024342						
OCD MONTROSS 3112-ET	840003124024401						
OCD MONTROSS 3136-ET	840003124024425						
OCD MONTROSS 3153-ET	840003124024442						
OCD MONTROSS 3205-ET	840003124024494						

**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
OCD MONTROSS AMBER 3548-ET	840003124024837						
OCD MONTROSS DINGO-ET	840003124024787						
OCD MONTROSS DIVINE-ET	840003124024749						
OCD MONTROSS MINNIE-ET	840003124024948						
OCD MORDEN 3325	840003124024614						1
OCD MORGAN 9566	840003011889814						
OCD MORGAN 9636	840003011889884						
OCD MORGAN 9714	840003011889962						
OCD MORGAN BOOGY-ET	840003011889274						
OCD MORGAN DAMSEL 8765-ET	840003010975562						
OCD MORGAN DAMSEL 8785-ET	840003010975582						
OCD MORGAN DANBURY 8763-ET	840003010975560					C	
OCD MORGAN DANDY-ET	840003010975539						
OCD MORGAN DATE MOVIE-ET	840003010975721					C	
OCD MORGAN DATE NIGHT-ET	840003010975680					C	
OCD MORGAN DESERT BLOOM-ET	840003010975673					C	
OCD MORGAN DETROIT-ET	840003011889627						
OCD MORGAN DILEMMA-ET	840003011889284						
OCD MORGAN DIMPLE-ET	840003010975584					C	
OCD MULTIPLY 2353-ET	840003013463975						
OCD MULTIPLY 2410-ET	840003013464032						
OCD MULTIPLY ABRIL-ET	840003013464136						
OCD MULTIPLY ADALYNN-ET	840003013463912						
OCD MULTIPLY BUTTERNUT-ET	840003013464406						
OCD MULTIPLY CADY 2273-ET	840003013463895						
OCD MULTIPLY CAITLIN-ET	840003013463909						
OCD MULTIPLY FAYE-ET	840003013463908						
OCD MULTIPLY FEDERICA-ET	840003013464162			C			
OCD MULTIPLY FEDORA-ET	840003013463918						
OCD MULTIPLY FELISA-ET	840003013464135						
OCD MULTIPLY FRANCESCA-ET	840003013464151			C			
OCD MULTIPLY UDDERBUTTER-ET	840003013464397						
OCD MUSCADET 34464	840003131668628						
OCD MUSCADET 34601	840003131668765						
OCD MUSCADET 34602	840003131668766						
OCD MUSCADET 34617	840003131668781						
OCD MUSCADET 34669	840003131668833						
OCD MUSCADET 34690	840003131668854						
OCD MUSCADET 34919-ET	840003131669083						
OCD MUSCADET 34929-ET	840003131669093						
OCD MUSCADET 35302	840003133106592						
OCD MUSCADET 35514	840003133106804						
OCD MUSCADET HUATA 35340-ET	840003133106630						
OCD MUSCADET RAE 34471-ET	840003131668635						
OCD MUSCADET RAE 34702-ET	840003131668866						

**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
OCD MUSCADET RAE 35342-ET	840003133106632						
OCD MUSCADET RAE 35386-ET	840003133106676						
OCD MUSCADET RAE 35511-ET	840003133106801						
OCD MYSPACE 34412	840003131668576			C			
OCD MYSPACE 34441	840003131668605						
OCD MYSPACE 34474	840003131668638						
OCD NUMERO UN BOTTOMS UP-ET	840003011889282					C	
OCD NUMERO UNO ADA-ET	840003010974835						
OCD NUMERO UNO ADORA-ET	840003010974809						
OCD NUMERO UNO AMBER-ET	840003009533805						
OCD NUMERO UNO ANGELIQUE-ET	840003009533794						
OCD NUMERO UNO DETROIT-ET	840003011889570						
OCD NUMERO UNO DJANGO-ET	840003010975513						
OCD NUMERO UNO FAYE-ET	840003010974799						
OCD NUMERO UNO FLEUR-ET	840003009533810						
OCD NUMERO UNO FRANCES-ET	840003010974798						
OCD NUMERO UNO FRANCES 2-ETN	840003124025011						
OCD O-STYLE BABY FACE-ET	840003008316121						
OCD O-STYLE BAMBINO-ET	840003008316102						
OCD O-STYLE JANELLE-ET	840003008316208			C			
OCD O-STYLE JANEY-ET	840003008316196			C			
OCD O-STYLE JANICE-ET	840003008316197			C			
OCD O-STYLE JIFFY-ET	840003008316193						
OCD OAK 2323-ET	840003013463945						
OCD OAK 9581	840003011889829						
OCD OAK 9596	840003011889844						
OCD OAK 9620	840003011889868						
OCD OAK 9654-ET	840003011889902						
OCD OAK 9668-ET	840003011889916						
OCD OAK 9674-ET	840003011889922						
OCD OAK DERBY-ET	840003011889983						
OCD OAK DILEMMA-ET	840003011889992						
OCD OAK DORIS-ET	840003011889935						
OCD OAK MACARONI-ET	840003011889999						
OCD OAK SHINE-ET	840003013463633						
OCD OBSERVER 6004	840003008315265						
OCD OBSERVER 7148	840003009532968						
OCD OBSERVER DANNI 7763	840003009533583						
OCD OBSERVER FERN	840003006989267						
OCD OBSERVER FOXY-TW	840003006989390						
OCD OBSERVER FURY-TW	840003006989391						
OCD OBSERVER GABBY 5665	840003006989292						
OCD OBSERVER GRACELAND-ET	840003008315338						
OCD OBSERVER PRECIOUS-ET	840003006989496						
OCD OBSERVER SASSY	840003006989276						

**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
OCD OBSERVER TAYLOR	840003006989381						
OCD OCTOBER ENRICH 34210-ET	840003131668374						
OCD OCTOBER LAVAGE 34826-ET	840003131668990						
OCD OCTOBER LILAC 34838-ET	840003131669002						
OCD OCTOBERF LILAC 34233-ET	840003131668397						
OCD OLEGANT 8081	840003010974878					C	
OCD OLEGANT 8400	840003010975197						
OCD OLEGANT 8421	840003010975218			C			
OCD OLEGANT 8422	840003010975219						
OCD OLEGANT 8423	840003010975220						
OCD OLEGANT 8449	840003010975246						
OCD OLEGANT 8468	840003010975265					C	
OCD OLEGANT 8478	840003010975275						
OCD OLEGANT 8636	840003010975433						
OCD OLEGANT 9476	840003011889724						
OCD OLEGANT DEBI 8139	840003010974936						
OCD OLEGANT FILLY 8335	840003010975132		C				
OCD OLEGANT FRONA-ET	840003010974918						
OCD OLEGANT MADISON 8078	840003010974875						
OCD OLEGANT MAGGIE 8594	840003010975391						
OCD OLEGANT RACHAEL 8348	840003010975145						3
OCD OLMSTEAD 34206	840003131668370						
OCD OLMSTEAD 34249	840003131668413						
OCD OLYMPIAN 33396	840003127602088						
OCD OLYMPIAN 4163	840003127421787						
OCD OMEGA 2344	840003013463966	C					
OCD PACER 3805	840003124025094						
OCD PANERA CRI-ET	USA 66321149						
OCD PAPA RAZZI 2860	840003013464482						
OCD PARISH ALLIGATOR-ET	840003010975351						
OCD PARISH DAFFODIL-ET	840003010975442						
OCD PARISH DALI-ET	840003010975447						
OCD PARISH DARLING-ET	840003010975444						
OCD PARISH DEUCES WILD-ET	840003010975464						
OCD PARISH JOLLY-ET	840003010975322						
OCD PARISH JOLT-ET	840003010975307						
OCD PARTYROCK 3710	840003124024999						
OCD PEN BENCHWARMER 4870-ET	840003127422494			C			
OCD PEOTI SABRINA	840003009533149						
OCD PETRONE 7856	840003009533676					C	
OCD PETRONE 8600	840003010975397						
OCD PETRONE DAWN-ET	840003009533138						
OCD PETRONE DIVA DANCER-ET	840003009533168						
OCD PETRONE DOLPHIN-ET	840003009533147						
OCD PETRONE MANHATTAN-ET	840003009533099						

**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
OCD PETY 3052-ET	840003124024341						
OCD PETY 3056-ET	840003124024345						
OCD PETY 3060-ET	840003124024349						
OCD PETY 3284-ET	840003124024573						
OCD PETY 3322-ET	840003124024611		C				
OCD PETY PONTIFICATE-ET	840003124024732						
OCD PLANET 7912	840003009533732	C					
OCD PLANET DANICA-ET	840003004202172						
OCD PLANET DIAMOND-ET	840003004202039						
OCD PLANET EMBASSY	840003004202294						
OCD PLANET KANDY 4917	840003004202826						
OCD PLANET PANDEMONIUM-ET	840003004202563						
OCD PLANET PERFUME 4909	840003004202818						
OCD PLANET SUNDAY 4576	840003004202485						
OCD PLANET WHISPER	840003009533190						
OCD PLATINM DREAMCATCHER-ET	840003011889654			C		C	
OCD PLATINUM ABILENE-ET	840003011889602			C			
OCD PLATINUM ATTICA-ET	840003011889623						
OCD PLATINUM AURORA-ET	840003011889595					C	
OCD PLATINUM DOVER-ET	840003011889628						
OCD PLATINUM MAHALO-ET	840003011889604			C		C	
OCD PLATINUM SALT LAKE-ET	840003011889574						
OCD PLATINUM SILLY-ET	840003011889551			C			
OCD PLATO 8752	840003010975549						
OCD PONDER 2729-ET	840003013464351						
OCD PONDER 2746-ET	840003013464368						
OCD PONDER 2890-ET	840003013464512						
OCD PONDER 2900-ET	840003013464522						
OCD PONDER 2903-ET	840003013464525						
OCD PONDER 3048-ET	840003124024337						
OCD PONDER 3054-ET	840003124024343						
OCD PONDER 3135-ET	840003124024424						
OCD PONDER ADORA-ET	840003124024592						
OCD PONDER AGGIE-ET	840003013464362						
OCD PONDER ALANIS-ET	840003124024589						
OCD PONDER ARABIA-ET	840003013464357						
OCD PONDER ARKANSAS-ET	840003124024616						
OCD PONDER FAMOUS-ET	840003124024748						
OCD PONDER FOREVER 3747-ET	840003124025036						
OCD PONDER FRANKIE-ET	840003124024702						
OCD POWBALL ZANETA 33355-ET	840003127602047						
OCD POWBALL ZANETA 33372-ET	840003127602064						
OCD POWERBA POPPER 33368-ET	840003127602060						
OCD POWERBA POPPER 33371-ET	840003127602063						
OCD POWERBA POUNCE 35702-ET	840003133106992						

**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
OCD POWERBA ZANETA 33400-ET	840003127602092						
OCD POWERBAL HUATA 33366-ET	840003127602058						
OCD POWERBAL HUATA 33730-ET	840003127602422						
OCD POWERBAL PANSY 34894-ET	840003131669058						
OCD POWERBALL 33328-ET	840003127602020						
OCD PREDESTIN DELIGHTFUL-ET	840003013463699						3
OCD PREDESTIN SACRAMENTO-ET	840003011890248						3
OCD PREDESTIN STREAMLINE-ET	840003011890243						3
OCD PREDESTINE 2018-ET	840003013463640						3
OCD PREDESTINE 2037-ET	840003013463659						
OCD PREDESTINE 2257-ET	840003013463879						3
OCD PREDESTINE 2258-ET	840003013463880						
OCD PREDESTINE 2274-ET	840003013463896						
OCD PREDESTINE 2326-ET	840003013463948						
OCD PREDESTINE 2335-ET	840003013463957						
OCD PREDESTINE 9757-ET	840003011890005						
OCD PREDESTINE 9873-ET	840003011890121						3
OCD PREDESTINE APPLE-ET	840003011890000						
OCD PREDESTINE DAISY-ET	840003013463624						
OCD PREDESTINE DAKAR-ET	840003013463643						3
OCD PREDESTINE DANGER-ET	840003013463876						
OCD PREDESTINE DARLA-ET	840003013463734						3
OCD PREDESTINE DAWN-ET	840003013463736						
OCD PREDESTINE DAZZLER-ET	840003013463642						3
OCD PREDESTINE DELEGATE-ET	840003011890247						3
OCD PREDESTINE DELHI-ET	840003013463657						3
OCD PREDESTINE DEVISHA-ET	840003013463661						
OCD PREDESTINE DILIGENT-ET	840003013463856						3
OCD PREDESTINE DISCOVER-ET	840003011890230						3
OCD PREDESTINE DISPATCH-ET	840003011890242						3
OCD PREDESTINE DIZZY-ET	840003013463634						
OCD PREDESTINE DUNKIRK-ET	840003013463647						
OCD PREDESTINE FIONA-ET	840003011889978						3
OCD PREDESTINE FLAVOR-ET	840003011889975						
OCD PREDESTINE FLORENCE-ET	840003013463644						
OCD PREDESTINE FREEDOM-ET	840003011889991			C			3
OCD PREDESTINE FRENCHIE-ET	840003011889990			C			3
OCD PREDESTINE FRUITY-ET	840003011889980						3
OCD PREDESTINE JELLY-ET	840003011889530						3
OCD PREDESTINE JELLYBEAN-ET	840003011889598						3
OCD PREDESTINE JERSEY-ET	840003011889589						
OCD PREDESTINE JUNEAU-ET	840003011889625						3
OCD PREDESTINE MS SPORTY-ET	840003011889523						3
OCD PREDESTINE SALEM-ET	840003013463654						3
OCD PREDESTINE SCRUTINY-ET	840003011890234						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
OCD PREDESTINE SPORTY-ET	840003011889512						3
OCD PREDESTINE SURPASS-ET	840003011890237						3
OCD PREDSTN MS DEVISHA-ET	840003013463663						
OCD PRESIDENT BABY 3849-ET	840003124025138						
OCD PRESIDENT BABY 3852-ET	840003124025141						
OCD PRESIDENT BABY 4062-ET	840003127421686						
OCD PRESIDENT BABY 4063-ET	840003127421687						
OCD PRESIDENT BABY 4064-ET	840003127421688						
OCD PRIME NOMINEE-ET	840003124024753						
OCD PROFI SCRUTINY 35581-ET	840003133106871						
OCD PROFI SCRUTINY 35591-ET	840003133106881						
OCD PROFI SCRUTINY 35704-ET	840003133106994						
OCD PROFI SCRUTINY 35709-ET	840003133106999						
OCD PROFIT DANBURY 35531-ET	840003133106821					C	
OCD PROFIT ENRICH 34666-ET	840003131668830						
OCD PROFIT FRANCES 35202-ET	840003133106492						
OCD PROFIT FRANCES 35203-ET	840003133106493						
OCD PROFIT HUATA 35309-ET	840003133106599						
OCD PROFIT LILAC 34678-ET	840003131668842						
OCD PRONTO ZEALOUS	840003004202132						
OCD PT 9882 TROY 6965	840003132116817						
OCD PULSAR 34487	840003131668651						
OCD PULSAR 35597	840003133106887						
OCD PULSAR ELLA 34813-ET	840003131668977			C			
OCD PULSAR ELLA 34840-ET	840003131669004						
OCD PURE 35790	840003133107080						
OCD PURE 36475	840003134443999						
OCD PURE DANBURY 4162-ET	840003127421786						
OCD PURE DANBURY 4170-ET	840003127421794						
OCD PURE DANBURY 4226-ET	840003127421850						
OCD PURE DANBURY 4232-ET	840003127421856					C	
OCD PURE DARLING 4127-ET	840003127421751						
OCD PURE ELLA 4295-ET	840003127421919						
OCD PURE ELLA 4603-ET	840003127422227			C			
OCD PURE HUATA 4272-ET	840003127421896						
OCD PURE LILAC 3888-ET	840003124025177						
OCD PURE LILAC 4128-ET	840003127421752						
OCD PURE MARINA 33344-ET	840003127602036						
OCD PURE MARINA 33352-ET	840003127602044						
OCD PURE MARINA 4560-ET	840003127422184						
OCD PURE MARINA 4739-ET	840003127422363						
OCD PURE MARINA 4747-ET	840003127422371						
OCD PURE MESA 4541-ET	840003127422165						
OCD R2 8822	840003010975619	C					
OCD RACER 4200	840003127421824						

**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
OCD RACER 4390	840003127422014						
OCD RACER 4391	840003127422015						
OCD RACER 4433	840003127422057						
OCD RACER 4458	840003127422082						
OCD RACER 4471	840003127422095						
OCD RACER 4478	840003127422102						
OCD RACER 4517	840003127422141						
OCD RACER 4525	840003127422149						
OCD RACER LILAC 3151-ET	840003124024440						
OCD RACER LILAC 3160-ET	840003124024449						
OCD RACER LILAC 3770-ET	840003124025059						
OCD RACER LILAC 3788-ET	840003124025077						
OCD RACER SKIPPY 4438	840003127422062						
OCD RACER SOPRANO 3854-ET	840003124025143						
OCD RACER SOPRANO 3855-ET	840003124025144						
OCD RACER SOPRANO 3859-ET	840003124025148						
OCD RACER SOPRANO 3861-ET	840003124025150						
OCD RADMAN SHARP 35884-ET	840003133107174						
OCD RAISIN LILLY	840003009533040						
OCD RANSOM 9483	840003011889731						
OCD RANSOM ANAHEIM-ET	840003011889505						
OCD REALITY MALIBU-RED	840003009532999						1
OCD REBEL 3806	840003124025095					C	
OCD REBEL 4067	840003127421691						
OCD REBEL 4098	840003127421722						
OCD REBEL 4103	840003127421727						
OCD REDBURST LAWLESS-ET	840003010975794		C				1
OCD REFLECTOR 3013-ET	840003124024302						
OCD REFLECTOR 3017-ET	840003124024306						
OCD REFLECTOR 3309-ET	840003124024598						
OCD REFLECTOR 3348-ET	840003124024637			C			
OCD REFLECTOR 3350-ET	840003124024639			C			
OCD REFLECTOR 3351-ET	840003124024640						
OCD REFLECTOR 3353-ET	840003124024642			C			
OCD REFLECTOR 3360-ET	840003124024649						
OCD REFLECTOR 3387-ET	840003124024676						
OCD REFLECTOR 3389-ET	840003124024678						
OCD REFLECTOR 3400-ET	840003124024689						
OCD REFLECTOR FAYE-ET	840003124024561						
OCD REFLECTOR LISA 3166-ET	840003124024455						
OCD ROBUST MARTINI-ET	840003006989498						
OCD ROBUST SHIMMER-ET	840003008315320						
OCD ROBUST SHINING STAR-ET	840003008315327						
OCD ROBUST SUGAR-N-SPICE-ET	840003008315321						
OCD RODGER ALOHA 2744-ETS	840003013464366						

**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
OCD RODGERS 2437-ET	840003013464059						
OCD RODGERS 2469-ET	840003013464091						
OCD RODGERS 2472-ET	840003013464094						
OCD RODGERS 2474-ET	840003013464096						
OCD RODGERS 2478-ET	840003013464100						
OCD RODGERS 2482-ET	840003013464104						
OCD RODGERS 2808-ET	840003013464430						
OCD RODGERS 2810-ET	840003013464432						
OCD RODGERS 33375	840003127602067						
OCD RODGERS 33728	840003127602420						
OCD RODGERS 33736	840003127602428						
OCD RODGERS 34142	840003131668306						
OCD RODGERS 4717	840003127422341						
OCD RODGERS ALLENTOWN-ET	840003013464415						
OCD RODGERS ANAHEIM-ET	840003013464358						
OCD RODGERS FAME 4166-ET	840003127421790						
OCD RODGERS FARRAH-ET	840003124024620						
OCD RODGERS SPRINGFIELD-ET	840003013464431						
OCD ROYAL 4072	840003127421696						
OCD RU BENCHWARMER 34677-ET	840003131668841						
OCD RU BENCHWARMER 34694-ET	840003131668858						
OCD RU BENCHWARMER 34774-ET	840003131668938						
OCD RUBIC MOTIVATE 36120-ET	840003134443644						
OCD RUBIC MOTIVATE 36408-ET	840003134443932						
OCD RUBIC MOTIVATE 36423-ET	840003134443947						
OCD RUBIC MOTIVATE 36426-ET	840003134443950						
OCD RUBIC MOTIVATE 36444-ET	840003134443968						
OCD RUBIC SAPPHIRE 34731-ET	840003131668895						
OCD RUBICO ABILIENE 4273-ET	840003127421897			C			
OCD RUBICO ABILIENE 4279-ET	840003127421903						
OCD RUBICO DANBURY 34698-ET	840003131668862					C	
OCD RUBICO DANBURY 34699-ET	840003131668863						
OCD RUBICO DANBURY 35333-ET	840003133106623					C	
OCD RUBICO DANBURY 35362-ET	840003133106652						
OCD RUBICO FAST CO 34497-ET	840003131668661						
OCD RUBICO LISA 34223-ETS	840003131668387						
OCD RUBICO LISA 34224-ETS	840003131668388						
OCD RUBICON 33388-ET	840003127602080					C	
OCD RUBICON 35810	840003133107100						
OCD RUBICON 35813-ET	840003133107103						
OCD RUBICON 35853-ET	840003133107143						
OCD RUBICON 35878-ET	840003133107168						
OCD RUBICON 35879-ET	840003133107169						
OCD RUBICON 36032-ET	840003134443556						
OCD RUBICON 36204-ET	840003134443728						

**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
OCD RUBICON 36212-ET	840003134443736						
OCD RUBICON 36213-ET	840003134443737						
OCD RUBICON 36217-ET	840003134443741						
OCD RUBICON 36225-ET	840003134443749						
OCD RUBICON 4271-ET	840003127421895						
OCD RUBICON 4277-ET	840003127421901						
OCD RUBICON ABILENE 4555-ET	840003127422179						
OCD RUBICON BOOKIE 35378-ET	840003133106668						
OCD RUBICON BOOKIE 36183-ET	840003134443707						
OCD RUBICON CAITLYN 4553-ET	840003127422177						
OCD RUBICON CHAIR 4741-ET	840003127422365						
OCD RUBICON CINERGY 4431-ET	840003127422055						
OCD RUBICON CINERGY 4432-ET	840003127422056						
OCD RUBICON EARLY 35040-ET	840003133106330						
OCD RUBICON EARLY 35346-ET	840003133106636						
OCD RUBICON EARLY 35354-ET	840003133106644						
OCD RUBICON EARLY 35357-ET	840003133106647						
OCD RUBICON ELLA 4670-ET	840003127422294						
OCD RUBICON GARNER 35112-ET	840003133106402						
OCD RUBICON GARNER 35503-ET	840003133106793						
OCD RUBICON LISA 34241-ET	840003131668405						
OCD RUBICON LISA 34269-ET	840003131668433						
OCD RUBICON LISA 34863-ET	840003131669027						
OCD RUBICON MENNA 33378-ET	840003127602070						
OCD RUBICON MENNA 33380-ET	840003127602072						
OCD RUBICON MENNA 33391-ET	840003127602083						
OCD RUBICON NOODLE 36181-ET	840003134443705						
OCD RUBICON NOODLE 36636-ET	840003134444160						
OCD RUBICON NOODLE 36665-ET	840003134444189						
OCD RUBICON RUTHIE 4557-ET	840003127422181						
OCD RUBICON STITCH 4481-ET	840003127422105						
OCD RUBICON TABORA 35580-ET	840003133106870						
OCD RUBICON TABORA 35599-ET	840003133106889						
OCD RUBICON TABORA 35716-ET	840003133107006						
OCD RUBICON TABORA 35725-ET	840003133107015						
OCD SALEEN E-STREET-ET	840003011889299						
OCD SALEEN ENCHANTED-ET	840003011889287						
OCD SALVATORE 2003	840003013463625						
OCD SALVATORE 2079	840003013463701						
OCD SALVATORE 2199	840003013463821						
OCD SALVATORE 2200	840003013463822						
OCD SALVATORE 2248	840003013463870						
OCD SALVATORE 2269	840003013463891						
OCD SALVATORE 2284	840003013463906						
OCD SALVATORE 2374	840003013463996						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
OCD SALVATORE 2471	840003013464093						
OCD SALVATORE 2473	840003013464095						
OCD SALVATORE 2476	840003013464098						
OCD SALVATORE 2738	840003013464360						
OCD SALVATORE 2786	840003013464408						
OCD SALVATORE 2820	840003013464442						
OCD SALVATORE 2827	840003013464449						
OCD SALVATORE 2857	840003013464479						
OCD SALVATORE 2862	840003013464484						
OCD SALVATORE 2887	840003013464509						
OCD SALVATORE 3354	840003124024643						
OCD SALVATORE 9975	840003011890223						
OCD SANCHEZ LAVENDER-ET	840003004202439						
OCD SANCHEZ ROMANCE-ET	840003004202494						
OCD SARAH MICHELLE GELLAR	840003009532914						
OCD SARGEO DANBURY 35181-ET	840003133106471						
OCD SARGEO DANBURY 35732-ET	840003133107022					C	
OCD SARGEON ELLA 35741-ET	840003133107031			C			
OCD SARGEON ENRICH 35207-ET	840003133106497						
OCD SARGEON LILAC 35726-ET	840003133107016						
OCD SAVE 3045-ET	840003124024334						
OCD SAVE 3046-ET	840003124024335						
OCD SAVE 3049-ET	840003124024338						
OCD SAVE 3050-ET	840003124024339						
OCD SAVE 3057-ET	840003124024346						
OCD SAVE RAYNA-ET	840003124024700						
OCD SAVE REMEDY-RED-ET	840003124024725						
OCD SAVE RENO-ET	840003124024705						
OCD SEBASTIAN 7881	840003009533701						
OCD SHAMROCK DAEGAN-ET	840003008315630						
OCD SHAMROCK DAQUIRI-ET	840003008316238						
OCD SHAMROCK DIVA-ET	840003009532832						
OCD SHAMROCK SABRE-ET	840003008316228						
OCD SHAMROCK TAMPA-ET	840003008315629						
OCD SHAN 2043	840003013463665						
OCD SHAN 9401	840003011889649						
OCD SHAN ABBY 8729-ET	840003010975526						
OCD SHAN DELIGHT 9533-ET	840003011889781						
OCD SHANDRO 2979	840003013464601						
OCD SHANDRO 3312	840003124024601						
OCD SHAWSHANK 35821	840003133107111						
OCD SHIM CARMELA SOPRANO-ET	840003011889392						
OCD SHOOTER 2441	840003013464063						
OCD SHOOTER 2779	840003013464401						
OCD SHOT 2218	840003013463840						

**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
OCD SHOT 2252	840003013463874					C	
OCD SHOT 2260	840003013463882						
OCD SHOT 2288	840003013463910					C	
OCD SHOT 2292	840003013463914						
OCD SHOT 2507	840003013464129						
OCD SHOTGL LUCILLE BLUTH-ET	840003011889407						
OCD SHOTGLASS 9184-ET	840003011889432						
OCD SHOTGLASS 9395-ET	840003011889643						
OCD SHOTGLASS 9399-ET	840003011889647						
OCD SHOTGLASS BANTER-ET	840003011889732						
OCD SHOTGLASS BARKER-ET	840003011889355						1
OCD SHOTGLASS DANCE-ET	840003013463626						
OCD SHOTGLASS DAYDREAM-ET	840003011889887						
OCD SHOTGLASS DERBY-ET	840003011889859						
OCD SHOTGLASS DEUCE-ET	840003011889890						
OCD SHOTGLASS DINA 9547-ET	840003011889795						
OCD SHOTGLASS SHE DANCES-ET	840003011889704						
OCD SHOTGLASS SHE DEVIL-ET	840003011889673						
OCD SHOTGLASS SHE SMILES-ET	840003011889708						
OCD SHOTGLASS SPLENDOR-ET	840003011889686						
OCD SHOTTLE RABBIT-ET	840003004202422					C	
OCD SHOTTLE RIDDLE-ET	840003004202164						
OCD SHOTTLE WINNIE-ET	840003004202877						
OCD SHOTTLE WISH-ET	840003004202863						
OCD SID CAYLEE-ET	840003011889447						1
OCD SID ELLIE-ET	840003010975004	C					
OCD SILVE SCRUTINY 34232-ET	840003131668396						
OCD SILVE SCRUTINY 34251-ET	840003131668415						
OCD SILVE SCRUTINY 34270-ET	840003131668434						
OCD SILVER 33751-ET	840003127602443						
OCD SILVER 4644-ET	840003127422268						
OCD SILVER 4645-ET	840003127422269						
OCD SILVER 4647-ET	840003127422271			C			
OCD SILVER 4649-ET	840003127422273						
OCD SILVER 4650-ET	840003127422274						
OCD SILVER 4654-ET	840003127422278						
OCD SILVER 4723	840003127422347						
OCD SILVER CHAIR 33761-ET	840003127602453						
OCD SILVER CHAIR 33773-ET	840003127602465						
OCD SILVER CHAIR 4667-ET	840003127422291						
OCD SILVER CHAIR 4677-ET	840003127422301						
OCD SILVER CINERGY 35147-ET	840003133106437						
OCD SILVER LORALIE 34609-ET	840003131668773						
OCD SILVER LOVEY 33986-ET	840003127602678						
OCD SILVER PAM 6493-ET	840003126680461						

**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
OCD SILVER PANSY 4733-ET	840003127422357						
OCD SILVER PANSY 4734-ET	840003127422358						
OCD SILVER PANSY 4735-ET	840003127422359						
OCD SILVER POUNCE 34105-ET	840003131668269						
OCD SILVER SHINE 33387-ET	840003127602079						
OCD SILVER SOPRANO 33394-ET	840003127602086						
OCD SILVER SOPRANO 33395-ET	840003127602087						
OCD SILVER SOPRANO 33397-ET	840003127602089						
OCD SILVER SOPRANO 33721-ET	840003127602413						
OCD SKIPPY SUPER 9019	840003011889267						
OCD SKY ACE UP MY SLEEVE-ET	840003124024625						
OCD SKYMONT ACE VENTURA-ET	840003124024626						
OCD SLUMDOG MILLIONAIRE-ET	840003009533738						
OCD SMOKIN JO 9174	840003011889422						
OCD SMOKIN JO 9209	840003011889457						
OCD SN BELLE OF THE BALL-ET	840003009533130						1
OCD SN DEVIL WEARS PRADA-ET	840003009533121			C		C	1
OCD SNOWMAN BARBIE-ET	840003009533137						1
OCD SNOWMAN BEDAZZALED-ET	840003009533128			C			1
OCD SNOWMAN BUTTERCUP-ET	840003009533152						
OCD SNOWMAN FAIR MAIDEN-ET	840003009532877			C			
OCD SNOWMAN FEMME FATALE-ET	840003009533116						
OCD SNOWMAN FIORE-ET	840003009533142			C			
OCD SNOWMAN FURY-ET	840003009533126			C			
OCD SNOWMAN JESSICA ALBA-ET	840003009532895						
OCD SNOWMAN SLIPPERY-ET	840003008315809			C			
OCD SPARK DETROIT 33896-ET	840003127602588						
OCD SPRIN PEDESTAL 33968-ET	840003127602660						
OCD SPRIN PEDESTAL 34115-ET	840003131668279						
OCD SPRIN SCRUTINY 34673-ET	840003131668837						
OCD SPRIN SCRUTINY 34674-ET	840003131668838						
OCD SPRIN SCRUTINY 34676-ET	840003131668840						
OCD SPRIN SCRUTINY 34682-ET	840003131668846						
OCD SPRIN SCRUTINY 34689-ET	840003131668853						
OCD SPRIN SCRUTINY 35323-ET	840003133106613						
OCD SPRIN SCRUTINY 35325-ET	840003133106615						
OCD SPRIN SCRUTINY 35351-ET	840003133106641						
OCD SPRING 34421-ET	840003131668585						
OCD SPRING 34898-ET	840003131669062						
OCD SPRING 35372-ET	840003133106662						
OCD SPRING 35384-ET	840003133106674						
OCD SPRING 35509-ET	840003133106799						
OCD SPRING 35854-ET	840003133107144						
OCD SPRING 36050-ET	840003134443574						
OCD SPRING 36074-ET	840003134443598						

**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
OCD SPRING DANBURY 34766-ET	840003131668930						
OCD SPRING DANBURY 35383-ET	840003133106673						
OCD SPRING DANBURY 35395-ET	840003133106685					C	
OCD SPRING DANCER 35744-ET	840003133107034						
OCD SPRING DANCER 35745-ET	840003133107035						
OCD SPRING DANCER 35757-ET	840003133107047						
OCD SPRING DANCER 35762-ET	840003133107052						
OCD SPRING ENRICH 33893-ET	840003127602585						
OCD SPRING ENRICH 34401-ET	840003131668565						
OCD SPRING ENRICH 34880-ET	840003131669044						
OCD SPRING ENRICH 34889-ET	840003131669053						
OCD SPRING ENRICH 35047-ET	840003133106337						
OCD SPRING ENRICH 35310-ET	840003133106600						
OCD SPRING HUATA 34298-ET	840003131668462						
OCD SPRING HUATA 34907-ET	840003131669071						
OCD SPRING HUATA 4220-ET	840003127421844						
OCD SPRING JIGSAW 35539-ET	840003133106829						
OCD SPRING LAVAGE 34649-ET	840003131668813						
OCD SPRING LAVAGE 34714-ET	840003131668878						
OCD SPRING LAVAGE 34976-ET	840003131669140						
OCD SPRING LAVAGE 35076-ET	840003133106366						
OCD SPRING LAVAGE 35379-ET	840003133106669						
OCD SPRING LAVAGE 35387-ET	840003133106677						
OCD SPRING LILAC 34427-ET	840003131668591						
OCD SPRING LILAC 34908-ET	840003131669072						
OCD SPRING LILAC 34925-ET	840003131669089						
OCD SPRING LILAC 35018-ET	840003133106308						
OCD SPRING LILAC 35367-ET	840003133106657						
OCD SPRING LILAC 35369-ET	840003133106659						
OCD SPRING MARINA 33957-ET	840003127602649						
OCD SPRING MARIONA 4690-ET	840003127422314						
OCD SPRING MISSY 33900-ET	840003127602592						
OCD SPRING MISSY 34803-ET	840003131668967						
OCD SPRING SHINE 35390-ET	840003133106680						
OCD SPRING SHINE 35400-ET	840003133106690						
OCD SPRING SHINY 35145-ET	840003133106435	C					
OCD SPRING SHINY 35575-ET	840003133106865	C					
OCD SPRING SNAPPY 34275-ET	840003131668439						
OCD SPRING SNAPPY 34900-ET	840003131669064						
OCD SPRSHOT FASTCO 34628-ET	840003131668792			C			
OCD SS FREE WILLY 4224-ET	840003127421848						
OCD SS SOLEIL MOON FRYE-ET	840003010974987						
OCD SSH ARMAGEDDON 35504-ET	840003133106794						
OCD SSHO FRANCESCA 34618-ET	840003131668782						
OCD SSIRE ELISABETH SHUE-ET	840003010974976						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
OCD ST-LOUIS MARTA-ETS	840003013464393						
OCD ST-LOUIS MARTHA-ETS	840003013464394						
OCD ST-LOUIS MISSOURI-ET	840003013464359						
OCD ST-LOUIS PALM BEACH-ET	840003013464511						
OCD ST-LOUIS PANCAKE-ET	840003013464471						
OCD ST-LOUIS PARACHUTE-ET	840003013464502						
OCD ST-LOUIS PARADISE-ET	840003013464469						
OCD ST-LOUIS PEACE-ET	840003013464497						
OCD ST-LOUIS PEANUT-ET	840003013464472						
OCD ST-LOUIS PENELOPE-ET	840003013464489						
OCD ST-LOUIS PEPPER-ET	840003013464488						
OCD ST-LOUIS PETUNIA-ET	840003013464483						
OCD ST-LOUIS PHOEBE-ET	840003013464476						
OCD ST-LOUIS PINKY-ET	840003013464503						
OCD ST-LOUIS POLLY-ET	840003013464473						
OCD STACKED 9293	840003011889541						
OCD STACKED 9300	840003011889548						
OCD STACKED SAMANTHA-ET	840003010975565			C			
OCD STACKED SANDY 8786-ET	840003010975583						
OCD STORMATIC RACHELLE-ET	840003000942914						3
OCD SU BERNADETTE PETERS-ET	840003009533296						
OCD SUD BEYONCE KNOWLES-ET	840003009533301						
OCD SUDAN BANTER-ET	840003009533324					C	
OCD SUDAN JESSICA BIEL-ET	840003009533316					C	
OCD SUDAN YASMINE BLEETH-ET	840003009533293						
OCD SUPE FREEWILLY 34667-ET	840003131668831						
OCD SUPERMAN 34292-ET	840003131668456						
OCD SUPERMAN 34437-ET	840003131668601						
OCD SUPERMAN 34927-ET	840003131669091						
OCD SUPERS DELIGHT 34761-ET	840003131668925						
OCD SUPERS FISCHER 34430-ET	840003131668594						
OCD SUPERS FRANCES 36136-ET	840003134443660						
OCD SUPERS FRANCES 36157-ET	840003134443681						
OCD SUPERS FRANCES 36463-ET	840003134443987						
OCD SUPERS FRANCES 36489-ET	840003134444013						
OCD SUPERSH ACTION 36477-ET	840003134444001						
OCD SUPERSH ACTION 36487-ET	840003134444011						
OCD SUPERSH CAITLYN 4194-ET	840003127421818						
OCD SUPERSH DANNY 34221-ET	840003131668385						
OCD SUPERSH RUTHIE 4221-ET	840003127421845						
OCD SUPERSH SKIPPY 4218-ET	840003127421842						
OCD SUPERSHO DAFFY 34447-ET	840003131668611						
OCD SUPERSHO DAFFY 34454-ET	840003131668618						
OCD SUPERSHO DAFFY 34941-ET	840003131669105						
OCD SUPERSHO DANNY 34237-ET	840003131668401						

**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
OCD SUPERSHO DANNY 34238-ET	840003131668402						
OCD SUPERSHO DANNY 34263-ET	840003131668427						
OCD SUPERSHO MISSY 35355-ET	840003133106645						
OCD SUPERSHO PARTY 34633-ET	840003131668797						
OCD SUPERSHO PARTY 34642-ET	840003131668806						
OCD SUPERSHO SHARP 35584-ET	840003133106874						
OCD SUPERSHOT CADY 34637-ET	840003131668801						
OCD SUPERSHOT CADY 34648-ET	840003131668812						
OCD SUPERSHOT CADY 34675-ET	840003131668839						
OCD SUPERSHOT DANNY 4225-ET	840003131668389						
OCD SUPERSIR HEART 36169-ET	840003134443693						
OCD SUPERSIR HEART 36478-ET	840003134444002						
OCD SUPERSIR HEART 36496-ET	840003134444020						
OCD SUPERSIR HEART 36604-ET	840003134444128						
OCD SUPERSIR HEART 36606-ET	840003134444130						
OCD SUPERSIR HEART 36637-ET	840003134444161						
OCD SUPERSIRE 2817 36627-ET	840003134444151						
OCD SUPERSIRE 9882-ET	840003011890130						
OCD SUPERSIRE 9889-ET	840003011890137						
OCD SUPERSIRE 9900-ET	840003011890148						
OCD SUPERSIRE ACE-ET	840003010975387						
OCD SUPERSIRE APPLE-ET	840003010975244						
OCD SUPERSIRE DAFFODIL-ET	840003013463751						
OCD SUPERSIRE DANDI-ET	840003013463786						
OCD SUPERSIRE DARBY-ET	840003011889911						
OCD SUPERSIRE DELOREAN-ET	840003011889920						
OCD SUPERSIRE DJ-ET	840003013463785						
OCD SUPERSIRE EMBARK-ET	840003010975399						
OCD SUPERSIRE ENRICH-ET	840003010975394						
OCD SUPERSIRE FELISHA-ET	840003010974962						
OCD SUPERSIRE LANA-ET	840003011889521						
OCD SUPERSIRE LAURA DERN-ET	840003011889923						
OCD SUPERSIRE LEADFOOT-ET	840003011889566						
OCD SUPERSIRE LIMELIGHT-ET	840003011889485						
OCD SUPERSIRE LUCY 8486	840003010975283					C	
OCD SUPERSIRE SABLE-ET	840003013463826						
OCD SUPERSIRE SALENA-ET	840003010974997						1
OCD SUPERSIRE SALLY-ET	840003013463783						
OCD SUPERSIRE SHANDY-ET	840003013463759						
OCD SUPERSIRE SNAPPY-ET	840003013463776						
OCD SUPERSIRE TONIC	840003010975309						
OCD SUPERSON FAIR MAIDEN-ET	840003009533580						
OCD SUPERSONIC BONITA 9165	840003011889413					C	
OCD SUPLEX 9272-ET	840003011889520						
OCD SUPSIRE ZOE SALDANA-ET	840003010974978						

**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
OCD SYMPATICO DIVA-ET	840003011889742			C			
OCD TALENT TAHITI-ET	840003000943134						1
OCD TANGO 2400-ET	840003013464022		C				
OCD TANGO 2423-ET	840003013464045		C				
OCD TANGO 2432-ET	840003013464054		C				
OCD TANGO 2452-ET	840003013464074						
OCD TANGO 2462-ET	840003013464084						
OCD TANGO 3059-ET	840003124024348		C				
OCD TANGO 31483-ET	840003014365270						
OCD TANGO ANIMATE-ET	840003124024766		C				
OCD TANGO AVENGER-ET	840003124024750						
OCD TANGO DANIELLE-ET	840003013463915		C				
OCD TANGO DANITA-ET	840003013464148		C				
OCD TANGO DARIA-ET	840003013464144						
OCD TANGO DELMA-ET	840003013464143						
OCD TANGO DIEGA-ET	840003013464141		C				
OCD TANGO DINA-ET	840003013464140						
OCD TANGO DOLORES-ET	840003013464139						
OCD TANGO DULCE-ET	840003013464131						
OCD TANGO FLORRIE-ET	840003013464170		C				
OCD TANGO FRANCINE-ET	840003013464166		C				
OCD TANGO JANGLE-ET	840003013464188		C				
OCD TANGO LADY 2755-ET	840003013464377		C				
OCD TANGO LEONA-ET	840003013464407						
OCD TANGO SAMMY-ET	840003013464356		C				
OCD TANGO SAPPHIRE-ET	840003013463917						
OCD TANGO TABORA-ET	840003013464125						
OCD TANGO TELMA-ET	840003013464126						
OCD TANGO TERESA-ET	840003013464150						
OCD TANGO TRELLA-ET	840003013464128						
OCD TANGO TURI-ET	840003013464127						
OCD TATUM 3113-ET	840003124024402						
OCD TATUM 34485	840003131668649						
OCD TATUM FELISHA 3704-ET	840003124024993						
OCD TATUM FELISHA 3711-ET	840003124025000		C				
OCD THE DUDE 35563	840003133106853			C			
OCD THE DUDE 35754	840003133107044			C			
OCD THE DUDE 35758	840003133107048			C			
OCD THE DUDE 35830	840003133107120			C			
OCD THE DUDE 35882	840003133107172			C			1
OCD TOPGUN COLOGNE 36483-ET	840003134444007						
OCD TOPGUN COLOGNE 36610-ET	840003134444134						
OCD TOPGUN COLOGNE 36613-ET	840003134444137						
OCD TOPGUN HEART 36625-ET	840003134444149						
OCD TOPGUN LAVAGE 36161-ET	840003134443685						

**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
OCD TOPGUN SAFARI 36425-ET	840003134443949						
OCD TOPGUN SURPASS 36173-ET	840003134443697						
OCD TOPGUN SURPASS 36492-ET	840003134444016						
OCD TOPGUN SURPASS 36644-ET	840003134444168						
OCD TOPROCK 2224	840003013463846						
OCD TOPROCK 2226	840003013463848						
OCD TOPROCK 2250	840003013463872						
OCD TOPROCK 2310-ET	840003013463932						
OCD TOPROCK 2317-ET	840003013463939						
OCD TOPROCK DABSY-ET	840003013463843						
OCD TOPSIDE ELLIE 8798-ET	840003010975595						
OCD TOPSIDE EVERYREADY-ET	840003010975571						
OCD TOYSTORY PATRICE-ET	USA 63238397						
OCD TOYSTORY PURITY-ET	USA 63238365						
OCD TROY 33955	840003127602647						
OCD TROY 4678-ET	840003127422302						
OCD TROY 4679-ET	840003127422303						
OCD TROY 4686-ET	840003127422310						
OCD TROY LACI 4100-ET	840003127421724						
OCD TROY LACI 4102-ET	840003127421726						
OCD TROY MAY 4132-ET	840003127421756						
OCD TROY MAY 4153-ET	840003127421777						
OCD TROY MESA 33707-ET	840003127602399						
OCD TROY SOPRANO 34219-ET	840003131668383						
OCD TROY SOPRANO 4270-ET	840003127421894						
OCD TROY SOPRANO 4570-ET	840003127422194						
OCD TROY SOPRANO 4578-ET	840003127422202						
OCD TROY SOPRANO 4724-ET	840003127422348						
OCD WILLIE 3198	840003124024487						
OCD WILLIE 33994	840003127602686						
OCD WILLIE 34179	840003131668343						
OCD WILLIE 34183	840003131668347					C	
OCD WILLIE 34240	840003131668404						
OCD WILLIE 34273	840003131668437						
OCD WILLIE 3914	840003124025203						
OCD WILLIE 3981	840003124025270						
OCD WILLIE 3989	840003124025278						
OCD WILLIE 4042	840003127421666						
OCD WILLPOWER 2070-ET	840003013463692	C					1
OCD WILLPOWER 2319-ET	840003013463941						1
OCD WILLPOWER 2331-ET	840003013463953	C					1
OCD WILLPOWER ALLIE-ET	840003011890153	C					
OCD WILLPOWER DAFFY DUCK-ET	840003011890004	C					
OCD WILLPOWER DAINTY-ET	840003013463681	C					1
OCD WILLPOWER DALI-ET	840003011890041	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
OCD WILLPOWER DELECTABLE-ET	840003013463668						1
OCD WILLPOWER DELIGHT-ET	840003013463694						
OCD WILLPOWER DELIVERY-ET	840003013463693	C					
OCD WILLPOWER DELTA-ET	840003013463698	C					1
OCD WILLPOWER DFORCE-ET	840003013463673						1
OCD WILLPOWER DORA-ET	840003013463688	C					1
OCD WILLPOWER SHINY-ET	840003013463695	C					1
OCD WINDBROOK COCKTAIL-ET	840003010975729						
OCD WINDBROOK CONFETTI-ET	840003010975738						1
OCD WINDSOR 2006-ET	840003013463628						
OCD WINDSOR 9884-ET	840003011890132						
OCD WOC GOLDWYN EMPRESS-ET	USA 69708567						3
OCD WORLDLY 2155	840003013463777						
OCD YODER 35046-ET	840003133106336						
OCD YODER 35060-ET	840003133106350						
OCD YODER 35344-ET	840003133106634						
OCD YODER 35371-ET	840003133106661						
OCD YODER AVERY 33381-ET	840003127602073						
OCD YODER AVERY 4119-ET	840003127421743						
OCD YODER AVERY 4520-ET	840003127422144						
OCD YODER CHAIR 35010-ET	840003133106300						
OCD YODER CHAIR 35044-ET	840003133106334						
OCD YODER CINERGY 4292-ET	840003127421916						
OCD YODER CINERGY 4297-ET	840003127421921						
OCD YODER CINERGY 4298-ET	840003127421922						
OCD YODER CINERGY 4590-ET	840003127422214						
OCD YODER CINERGY 4601-ET	840003127422225						
OCD YODER CINERGY 4608-ET	840003127422232						
OCD YODER CINERGY 4710-ET	840003127422334						
OCD YODER CINERGY 4714-ET	840003127422338						
OCD YODER ENRICH 3837-ET	840003124025126						
OCD YODER ENRICH 3844-ET	840003124025133						
OCD YODER ENRICH 4066-ET	840003127421690						
OCD YODER HUATA 36107-ET	840003134443631						
OCD YODER HUATA 36130-ET	840003134443654						
OCD YODER HUATA 36451-ET	840003134443975						
OCD YODER LAVAGE 35501-ET	840003133106791						
OCD YODER LAVAGE 35508-ET	840003133106798						
OCD YODER LAVAGE 35532-ET	840003133106822						
OCD YODER MENNA 35523-ET	840003133106813						
OCD YODER MISS MERMAID-ET	840003124025268						
OCD YODER MISSY 3808-ET	840003124025097						
OCD YODER MISSY 3814-ET	840003124025103						
OCD YODER MISSY 3830-ET	840003124025119						
OCD YODER MISSY 3834-ET	840003124025123						

**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
OCD YODER MISSY 3835-ET	840003124025124						
OCD YODER MISSY 3948-ET	840003124025237						
OCD YODER MISSY 3959-ET	840003124025248						
OCD YODER MISSY 3961-ET	840003124025250						
OCD YODER SHARA 3178-ET	840003124024467			C			
OCD YODER SHARA 3185-ET	840003124024474			C			
OCD YODER SHARA 3850-ET	840003124025139						
OCD YODER SHARA 4069-ET	840003127421693						
OCD YODER SHARA 4070-ET	840003127421694			C			
OCD YODER SHARA 4126-ET	840003127421750			C			
OCD YODER SHILLO 4008-ET	840003127421632			C			
OCD YODER SHILLO 4029-ET	840003127421653						
OCD YODER SKIPPY 4204-ET	840003127421828						
OCD YODER SOPRANO 35578-ET	840003133106868						
OCD YODER WILD 3860-ET	840003124025149						
OCEAN-VIEW AFTRSHK 20190	USA 72237252					C	
OCEAN-VIEW AFTSHK JUSTINE	USA 70019782					C	
OCEAN-VIEW AL ZANDRA-ET	USA 141099145						1
OCEAN-VIEW ALEX LEGEND	USA 140968842	C					
OCEAN-VIEW ALLEN SHEEN-ET	USA 137143298						
OCEAN-VIEW ATLAS DIXIE-ET	USA 72230198						
OCEAN-VIEW ATLS DUTCHESS-ET	USA 72230199						
OCEAN-VIEW ATWOOD JULIE-ET	USA 140869189						
OCEAN-VIEW ATWOOD JUNE-ET	USA 140869116						
OCEAN-VIEW ATWOOD ZANDY-ET	USA 140867589			C			
OCEAN-VIEW BAXTER JULIEA	USA 140136388						
OCEAN-VIEW BAXTER ABBIE	USA 139257230						
OCEAN-VIEW BEST BALSAM-ET	USA 135770454						
OCEAN-VIEW BLITZ DOREAN	USA 137527351						
OCEAN-VIEW BLITZ SHENE-ET	USA 137346954						
OCEAN-VIEW BLITZ ZANDRA-ET	USA 134888914						
OCEAN-VIEW BLITZ ZERENA-ET	USA 137346749						
OCEAN-VIEW BOXER DONNA	USA 71401479						
OCEAN-VIEW BRADNICK ZETA-ET	USA 142216772						
OCEAN-VIEW BRAXTN HALLO-ET	USA 70318085						
OCEAN-VIEW BRAXTN ROXETTE	USA 70318035						
OCEAN-VIEW BRAXTN ZITTA-ET	USA 70318038						
OCEAN-VIEW BRAXTON CRISTINA	USA 71401468						
OCEAN-VIEW BRAXTON DONNA	USA 70950451						
OCEAN-VIEW DAMION SASSY	USA 139257249						
OCEAN-VIEW DERRY SHANIA-ET	USA 135304145						
OCEAN-VIEW DERRY SHENNA-ET	USA 135304136			C			
OCEAN-VIEW DMN HALO 3287-ET	USA 70950479						
OCEAN-VIEW DURHAM CARLI-ET	USA 138673158						
OCEAN-VIEW DURHAM DOLLEA	USA 136992219						

**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
OCEAN-VIEW DURHAM JEWEL	USA 130240547						
OCEAN-VIEW GDWYN D-ALLIE-ET	USA 140495818						
OCEAN-VIEW GIBSON MINNY	USA 137925908						
OCEAN-VIEW GOLD DOREEN	USA 139643299						
OCEAN-VIEW GOLD ROXETTE-ET	USA 139643244						
OCEAN-VIEW GOLD SCHENE-ET	USA 139092646						
OCEAN-VIEW GOLD SHARON-ET	USA 139092749						
OCEAN-VIEW GOLD SHEEN-ET	USA 139482289						3
OCEAN-VIEW GOLDWYN DIXIE-ET	USA 140495809						
OCEAN-VIEW GOLDWYN SARAH-ET	USA 137712366						
OCEAN-VIEW GUTHRIE SHENE	USA 71401467						
OCEAN-VIEW ITO JEWEL	USA 133525160						
OCEAN-VIEW LDF JLINDA 15171	USA 71361364						
OCEAN-VIEW LDF ROXANN 15353	USA 71361546						
OCEAN-VIEW MAC ZANA	USA 139945467						
OCEAN-VIEW MILLION SHERE-ET	USA 70318021		C				
OCEAN-VIEW O MAN ZABRINA	USA 137346824			C			
OCEAN-VIEW OUTSIDE SHERI	USA 137346703			C			
OCEAN-VIEW PALERMO 7931	840003010325854						
OCEAN-VIEW PRONTO KODAK	USA 139389223						
OCEAN-VIEW PRONTO SHERYL-ET	USA 139643477						
OCEAN-VIEW ROY CHRISTINA-ET	USA 137002179						
OCEAN-VIEW ROY SHARI	USA 137712414						
OCEAN-VIEW SAM JULIANE-ET	USA 136992170						
OCEAN-VIEW SAM JULIENNA-ET	USA 136760003						
OCEAN-VIEW SANCHEZ CASSY	USA 140376339						
OCEAN-VIEW SANCHEZ WIMP	USA 140868991						
OCEAN-VIEW SANCHEZ ZOEY-ET	USA 141719218			C			
OCEAN-VIEW SANCHZ JILL-ET	USA 140611151						
OCEAN-VIEW SANCHZ JULES-ET	USA 140611124						
OCEAN-VIEW SANCHZ JUNE-ET	USA 140611142						
OCEAN-VIEW SHAMROCK ZELBY	USA 142291232						
OCEAN-VIEW SHOTLE CHRISTINA	USA 70019797					C	
OCEAN-VIEW SHOTLE JUSTNE-ET	USA 139092301						
OCEAN-VIEW SHOTLE SHEEN-ET	USA 138673381					C	
OCEAN-VIEW SHOTLE SHENA	USA 140611106		C			C	
OCEAN-VIEW SHOTLE SHENE-ET	USA 138673390						
OCEAN-VIEW SHOTLE ZENA-ET	USA 70318033						
OCEAN-VIEW SHOTLE ZENYATTA	USA 140242746					C	
OCEAN-VIEW SHOTTLE ROXANN	USA 138673167					C	
OCEAN-VIEW SHOTTLE SHARON	USA 70019824					C	
OCEAN-VIEW SPECIAL MAYA-ET	USA 134635936		C				
OCEAN-VIEW SSI MILL JULI-ET	840003006972784		C				
OCEAN-VIEW STORM DACCA-TW	USA 129177421						1
OCEAN-VIEW STORMATIC ZANDRA	USA 134080277						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
OCEAN-VIEW SUPER JULIENA-ET	USA 70019794						
OCEAN-VIEW SUPER JULINA-ET	USA 70019800						
OCEAN-VIEW SUPER JUSTINE-ET	USA 70019775						
OCEAN-VIEW TOYS ABBIE-ET	USA 140242447						
OCEAN-VIEW TOYS CARLA-ET	USA 140869022						
OCEAN-VIEW TOYS SHEEN-ET	USA 139261286						
OCEAN-VIEW TOYSTORY ABBY-ET	USA 140242429						
OCEAN-VIEW Z MANHATTAN-ET	USA 62866441						
OCEAN-VIEW ZNITH JUSTINE-ET	USA 139092226						
OCEANVIEW-HM SUPER ZEDDI	USA 142291241						
OCOMMORS SUDAN LULLABY-ET	CAN 11535940						
OCONNORS 5G HERE GO AGAIN-ET	CAN 11841642						
OCONNORS BOULDER LUNA-ET	CAN 11347873						1
OCONNORS DISTINCTION HEIDI-ET	CAN 108842601						
OCONNORS EARNHARDT BEYONCEP-ET	CAN 11672119						
OCONNORS GERARD BASKET-ET	CAN 11161751						
OCONNORS GOLDWYN JASMINE-ET	CAN 7985142						1
OCONNORS LADD LACEY-ET	CAN 11536034						1
OCONNORS LAST HOPE	CAN 11535973						
OCONNORS LIQUID GOLD SENSAT-ET	CAN 108698862						
OCONNORS LIVING THE DREAM-ET	CAN 11591445						
OCONNORS LUCID EXACTLY-ET	CAN 12020038			C			
OCONNORS MAIN EVENT LUPIN-ET	CAN 12186883						
OCONNORS PLANET LUCIA-ET	CAN 10820364						1
OCONNORS RACER LORENA-ET	CAN 12020014						
OCONNORS REMARK BLUE IVY-ET	CAN 12186953						
OCONNORS SNOWMAN BERMUDA-ET	CAN 11471382			C			
OCONNORS SNOWMAN LEXIE-ET	CAN 11347848						
OCONNORS SNOWMAN LILAC-ET	CAN 11347837						
OCONNORS SPRING MISSOURI P-ET	CAN 12186966						
OCONNORS SUPER BABY-ET	CAN 11161723						
OCONNORS SUPER GREAT LOOKS-ET	CAN 108436070						
OCONNORS SUPERSIRE KIRBY-ET	CAN 11591534						
OCONNORS SUPERSIRE LOST LOVE	CAN 108502655						
OCONNORS TVF RUDOLPH LILLY-ET	CAN 10519868						
OCONNORS WH GOLD DIGGER-RED-ET	CAN 11536027						3
OCONNORS WILLROCK LOVABLE-ET	CAN 11347878						1
ODA-ET	NLD 570437538			C			1
ODONNELL ARMORY VIXEN	USA 73658497						1
ODONNELL DUNDEE SHOCKA	USA 72102910						
ODONNELL DUNDEE SUNDEE	USA 68762512						
ODONNELL GERARD APRIL	USA 68762513						
ODONNELL GILLESPIY PLINTSKI	USA 73658485						
ODONNELL HILL JUNKIE	USA 68762487						
ODONNELL LEVI SHOWY	USA 72102894			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
ODONNELL MAMMOTH PARTY	USA 68762506						
ODONNELL MENTHOL VEEDO	USA 73658507						
ODONNELL PLUMBER ANGALOU	USA 73658489						
ODONNELL PLUMBER CRUNCH	USA 73658509						
ODONNELL PLUMBER LUMBER	USA 73658505						1
ODONNELL PRENTICE ARGO	USA 72102912			C			1
ODONNELL PRENTICE PAUL	USA 72102895						3
ODONNELL RUBLE TUBBY	USA 73658496						
ODONNELL SHOTTLE CLYDE	USA 73658493					C	
ODONNELL SHOTTLE LOTTO	USA 73658498					C	
ODONNELL SHOTTLE M	USA 73658506					C	
ODONNELL SIGNIF-P AGOBEE	USA 73658495						
ODONNELL SIGNIF-P LETINA	USA 73658486						
ODONNELL SIGNIF-P PATRICK	USA 73658490						
ODONNELL SLEEMAN BOBO	USA 73658501		C				
ODONNELL THROTTLE LEE	USA 73658487						
ODONNELL THROTTLE PARKER	USA 73658491						
OEH-MY ALEXANDER MAHALO	USA 142402292						
OEH-MY BRADNICK REBECCA	USA 73756562						
OEH-MY BRAXTON ELOUISE	USA 141527943						
OEH-MY COLTP DANICA-RED	USA 142291371						
OEH-MY COLTP GABRIELLA	USA 142273865						
OEH-MY DAMION MALAKI	USA 142402304						
OEH-MY G W ATWOOD PEACHES	USA 73756827						
OEH-MY MIZZOU LODI	USA 74175512						
OEH-MY PLANET PETAL	USA 142098839						
OELHORST AK IOTA ELSA	NLD 544893533						
OELHORST ROSE ALI 160	NLD 481301601					C	
OELHORST ROSE ALI 25	NLD 397010257	C		C			
OFSKI DEBONAIR ANGELICA-RED	USA 140052651						
OH-RIVER-SYC AARN ASHLYN-ET	USA 70036874						
OH-RIVER-SYC ABSOL BRENN-ET	USA 73475480						
OH-RIVER-SYC AIRNET BELLA	USA 71814710						
OH-RIVER-SYC BAIN-ET	USA 73926611						
OH-RIVER-SYC BLOSSEM-ET	USA 72923693						
OH-RIVER-SYC BOBBIE-ET	USA 73475459						
OH-RIVER-SYC BRGHM BALI-ET	USA 73475456						
OH-RIVER-SYC BRGHM BECKY-ET	USA 73475451						
OH-RIVER-SYC BRIGHAM BAY-ET	USA 74327152						
OH-RIVER-SYC BRIGHAM BEA-ET	USA 74327153						
OH-RIVER-SYC BRIGHAM BEE-ET	USA 73475470						
OH-RIVER-SYC BRIGHAM BOO-ET	USA 73475471						
OH-RIVER-SYC BRIGHAM BUN-ET	USA 73475472						
OH-RIVER-SYC BUTTONS-ET	USA 73926622						1
OH-RIVER-SYC CICILY-RED-ET	USA 72323977						

**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
OH-RIVER-SYC CORVETTE BELLE	USA 74327159						
OH-RIVER-SYC CUTCH BARB-ET	USA 73475439						
OH-RIVER-SYC DELTA BECCA-ET	USA 73475465						
OH-RIVER-SYC DELTA BEV-ET	USA 73475463						
OH-RIVER-SYC DELTA BIB-ET	USA 73475464						
OH-RIVER-SYC DELTA BRINA-ET	USA 73475462						
OH-RIVER-SYC DOLO-RED-ET	USA 72923616						
OH-RIVER-SYC DORCY BELLA-ET	USA 74327211						
OH-RIVER-SYC DORCY BREE-ET	USA 74327213						
OH-RIVER-SYC EHRDT BASIL-ET	USA 72323963						
OH-RIVER-SYC EHRDT BERTA-ET	USA 72323965						
OH-RIVER-SYC ENHT BRISEN-ET	USA 72323959						
OH-RIVER-SYC ERNHRT BLUE-ET	USA 72323960						
OH-RIVER-SYC FB BETH-RED-ET	USA 73475431						
OH-RIVER-SYC GLDCHP BRYN-ET	USA 74228125						
OH-RIVER-SYC JSET BLACKI-ET	USA 72967115						
OH-RIVER-SYC KGBY BLONDI-ET	USA 73926666						
OH-RIVER-SYC KING BAILEY-ET	USA 143439501						
OH-RIVER-SYC KNGBOY BORA-ET	USA 73926665						
OH-RIVER-SYC KNGBOY BREE-ET	USA 73926663						
OH-RIVER-SYC KNGBY BELL-ET	USA 73161659						
OH-RIVER-SYC LABRON MOLLEY	USA 73704749						
OH-RIVER-SYC LARGE BETHY-ET	USA 71390677						
OH-RIVER-SYC LOTTO BEV-ET	USA 74327136						
OH-RIVER-SYC LOTTO BRIA-ET	USA 73475444						
OH-RIVER-SYC LRG BLONDIE-ET	USA 71814634						
OH-RIVER-SYC MAYFLD BABE-ET	USA 72205176			C			
OH-RIVER-SYC MCCTCH BUF-ET	USA 74327196						
OH-RIVER-SYC MDN MALINA-ET	USA 73624642						
OH-RIVER-SYC MERDIAN BRE-ET	USA 71814711						
OH-RIVER-SYC MERDN BELLE-ET	USA 70673538						
OH-RIVER-SYC MERID BABS-ET	USA 71390696						
OH-RIVER-SYC MOGAL BRYLAN	USA 74327163						
OH-RIVER-SYC MRDN BILLIE-ET	USA 72205169						
OH-RIVER-SYC MRDN BLISS-ET	USA 72205168						
OH-RIVER-SYC NGHT BARBIE-ET	USA 74336885						
OH-RIVER-SYC PETRN BLAIK-ET	USA 72323882						
OH-RIVER-SYC PTRN BROOK-ET	USA 71814720						
OH-RIVER-SYC RACER MARIE-ET	USA 73624633						
OH-RIVER-SYC SCHL BRILEY-ET	USA 72323923						
OH-RIVER-SYC SHAKE MARCI-ET	USA 73475424						
OH-RIVER-SYC SHKSPR BLUE-ET	USA 72967094						
OH-RIVER-SYC SNOW BARBIE-ET	USA 74336884						
OH-RIVER-SYC UNO BAILEY	USA 70673506						
OH-RIVER-SYC VAL CAI-RED-ET	USA 72205241						

**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
OH-RIVER-SYC VLNN CIERRA-ET	USA 72323978						
OH-RIVER-SYC WINDSOR BAY-ET	USA 72967129						
OH-RIVER-SYC WINDSOR BEA-ET	USA 72967127						
OHARROWS 2357	840003009549055						
OHARROWS 2703	840003010819909						
OHARROWS 3231	840003011574381						
OHARROWS 3538	840003013130746						
OHARROWS 3570	840003013130778						
OHARROWS 4836	840003126024965						
OHARROWS 4849	840003126024978						
OHARROWS 4872	840003126025001						
OHARROWS 5006	840003127296522						
OHARROWS 5071	840003127296587						
OHARROWS 5125	840003127296641						
OHARROWS 5172	840003127296688						
OHARROWS 5175	840003127296691						
OHARROWS STIR 7072	840003001029138						
OK GOLDWYN MAXINE-ET	USA 52887145						1
OK-ACRES GOLDWYN EMERALD-ET	USA 141726678						1
OKATO ALCHEMY OPAL	USA 72205270						1
OKATO BOMBERO ALLIE	USA 73871325						3
OKATO BOMBERO OCEAN	USA 73871307						
OKATO CAVIAR KAJUN	840003130787865			C			
OKATO EPIC ONIDA	USA 72761270						
OKATO EPIC RAYNE	USA 72205300						
OKATO EQUATION EMMY RAE	USA 73871254						
OKATO EQUATION KODY	USA 73871241						
OKATO EXPLODE AFRICA	USA 141782014						
OKATO LARSON GABBY	USA 72205280		C				3
OKATO LIQUID GOLD ALEXIS	USA 73351420						
OKATO LIQUID GOLD OCTOBER	USA 73871243						
OKATO MILES REYNA	USA 73871322						
OKATO MOGUL ARTIC	USA 73351387						
OKATO STERLING OKLAHOMA-ET	840003130787823						
OKATO SYMPATICO KATRINA	USA 72761297			C			
OKATO YODER ATLANTA	840003130787856						
OKATO YODER TRINITY	840003130787849						
OKDS 2035	USA 71341724						
OKDS 4055-ET	USA 73534361						1
OKDS 4061-ET	USA 73534367	C					1
OKDS 4074-ET	USA 73534380						1
OKDS 4186	USA 73534492						
OKDS 4187	USA 73534493						
OKDS 4206	USA 73534512						
OKDS 4224	USA 73534530						

**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
OKDS 4225	USA 73534531						
OKDS 4253	USA 73534559					C	
OKDS 4299 4299	USA 73534605						
OKDS 4301 4301	USA 73534607						
OKDS 4308 4308	USA 73534614						
OKDS 4312 4312	USA 73534618						
OKDS 4314 4314	USA 73534620						
OKDS 4320 4320	USA 73534626						
OKDS 4321 4321	USA 73534627						
OKDS 4322 4322	USA 73534628						3
OKDS 4323 4323	USA 73534629			C		C	
OKDS 4330 4330	USA 73534636						
OKDS 4332 4332	USA 73534638						
OKDS 4336 4336	USA 73534642						
OKDS 4343 4343	USA 73534649					C	
OKDS 4348 4348	USA 73534654						3
OKDS 4350 4350	USA 73534656						
OKDS 4353 4353	USA 73534659						
OKDS 4362 4362	USA 73534668						
OKDS 4367 4367	USA 73534673					C	
OKDS 4368 4368	USA 73534674						
OKDS 4369 4369	USA 73534675						
OKDS 4370 4370	USA 73534676						3
OKDS 4374 4374	USA 73534680						
OKDS 4375 4375-TW	USA 73534681						
OKDS 4376 4376-TW	USA 73534682						
OKDS 4377 4377	USA 73534683						
OKDS 4379 4379	USA 73534685						
OKDS 4380 4380	USA 73534686						3
OKDS 4391 4391	USA 73534697						
OKDS 4392 4392	USA 73534698						
OKDS 4394 4394	USA 73534700						
OKDS 4395 4395	USA 73534701						
OKDS 4399 4399	USA 73534705			C			
OKDS 4405 4405	USA 73534711						
OKDS 4406 4406	USA 73534712						
OKDS 4409 4409	USA 73534715						
OKDS 4414 4414	USA 73534720						
OKDS 4420 4420	USA 73534726		C				
OKDS 4421 4421	USA 73534727						
OKDS 4424 4424	USA 73534730						
OKDS 4426 4426	USA 73534732						
OKDS 4436 4436	USA 73534742			C			
OKDS 4440 4440	USA 73534746						
OKDS 4442 4442	USA 73534748						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
OKDS 4443 4443	USA 73534749						
OKDS 4446 4446	USA 73534752						
OKDS 4447 4447	USA 73534753						
OKDS 6079	840003134709062						
OKDS ACHILLES 5550	USA 74491559						
OKDS ADIDAS 4128-ET	USA 73534434						
OKDS AL 1094	USA 70120880						
OKDS AL 1102	USA 70522846						
OKDS AVENGER 5968	840003131136154			C			
OKDS AVENGER 6011	840003131136197						
OKDS AVENGER 6077-TW	840003134709060						
OKDS AVENGER 6078-TW	840003134709061						
OKDS BANANA 2144	USA 71637450						
OKDS BANDARAS 2261	USA 71885650						
OKDS BANNING 1308	USA 71061224						
OKDS BANNING 1325	USA 71061241						
OKDS BANNING 2003	USA 71061299		C				
OKDS BANNING 2018	USA 71061314			C			
OKDS BANNING 2039	USA 71341728						
OKDS BANNING 2041	USA 71341730						
OKDS BANNING 2042	USA 71341731						3
OKDS BELAIR 5658	USA 74491667						
OKDS BELAIR 5705	USA 74491714						
OKDS BELAIR 5876	840003131136062						
OKDS BGOOD 6018	840003131136204			C			
OKDS BGOOD 6020	840003131136206						
OKDS BGOOD 6038	840003131136224						
OKDS BOLO 2094	USA 71341783						
OKDS BUD 2191	USA 71637497						
OKDS BUSTOP 6584	840003134709157						
OKDS CABRIOLET 4122	USA 73534428						
OKDS CABRIOLET 6012	840003131136198						
OKDS CABRIOLET 6024	840003131136210						
OKDS CABRIOLET 6031	840003131136217			C			
OKDS CABRIOLET 6033	840003131136219						
OKDS CABRIOLET 6039	840003131136225						
OKDS CADDY 1336	USA 71061252		C	C			3
OKDS CADDY 1352	USA 71061268			C			3
OKDS CAIN 5795	840003131135981						
OKDS CAIN 5836	840003131136022						
OKDS CAIN 6013	840003131136199						
OKDS CAVIAR 6076	840003134709059						
OKDS CAVIAR 6559	840003134709132						
OKDS CAVIAR 6566	840003134709139						
OKDS CEASAR 2048	USA 71341737						

**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
OKDS CHAMPLAIN 4011	USA 73345077						
OKDS CLARK 1217	USA 70848235						
OKDS COACH 2071	USA 71341760						
OKDS COACH 2083	USA 71341772						
OKDS CONNECTED 1181	USA 70522925						
OKDS CRABTREE 4178	USA 73534484		C				
OKDS CRABTREE 4195	USA 73534501						
OKDS CRANK IT 6562	840003134709135			C			3
OKDS CRYPTONITE 6072	840003134709055						
OKDS DALT 1146	USA 70522890						3
OKDS DALT 1215	USA 70848233						
OKDS DAMARIS 5596	USA 74491605			C			
OKDS DAMARIS 5599	USA 74491608						
OKDS DAMARIS 5609	USA 74491618						
OKDS DAMARIS 5829-ET	840003131136015						
OKDS DAMARIS 5841-ET	840003131136027						
OKDS DAMARIS 6027-ET	840003131136213						
OKDS DAMARIS 6035-ET	840003131136221						
OKDS DAMARIS 6041-ET	840003131136227						
OKDS DAMARIS 6513	840003134709086						
OKDS DAMARIS 6528	840003134709101						
OKDS DAMARIS 6543	840003134709116						
OKDS DAMARIS 6552	840003134709125						
OKDS DAMARIS 6581	840003134709154						
OKDS DAVINCI 4180-TW	USA 73534486						
OKDS DAVINCI 4181-TW	USA 73534487						
OKDS DAY 3129	USA 72665671						
OKDS DAY 3136	USA 72665678						
OKDS DAY 3245	USA 72863234						
OKDS DAY 3296	USA 72863285						
OKDS DAY 3331	USA 72863320						
OKDS DAY 3363	USA 72863352						
OKDS DAY 3374	USA 72863363						
OKDS DAY 3416	USA 73345052						
OKDS DECREE 2168	USA 71637474						
OKDS DEFENDER 5602	USA 74491611						
OKDS DEFENDER 5637	USA 74491646						
OKDS DEFENDER 5765	840003131135951						
OKDS DENIM 3252	USA 72863241						
OKDS DENIM 3262	USA 72863251						
OKDS DIECAST 5871-TW	840003131136057						
OKDS DIECAST 5872-TW	840003131136058						
OKDS DIECAST 5880	840003131136066						
OKDS DISTINCTION 5605	USA 74491614						3
OKDS DOM 9264	USA 68657076						

**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
OKDS DONATELLO 5620	USA 74491629	C		C			
OKDS DONATELLO 5669	USA 74491678						
OKDS DONATELLO 5716	USA 74491725						
OKDS DONATELLO 5744	USA 74491753						
OKDS DONATELLO 5844	840003131136030						
OKDS DONATELLO 5878	840003131136064						
OKDS DONATELLO 5910	840003131136096						
OKDS DONATELLO 5911	840003131136097						
OKDS DR D 2089	USA 71341778						
OKDS DUGOUT 3250	USA 72863239	C	C				
OKDS ELECTION 3256-TW	USA 72863245						
OKDS ELECTION 3257-TW	USA 72863246						
OKDS EMERALD 5560	USA 74491569						
OKDS EMERALD 5566	USA 74491575						
OKDS EMERALD 5574	USA 74491583						
OKDS EMERALD 5603	USA 74491612						
OKDS EMERALD 5706	USA 74491715						
OKDS EMERALD 5827	840003131136013						
OKDS EMERALD 5834	840003131136020						
OKDS EMPRESS 2082	USA 71341771						
OKDS EQUINOX 5873	840003131136059						
OKDS EVEREST 3207	USA 72863196						
OKDS EVERETT 3226	USA 72863215						
OKDS EVERGLAD 2249	USA 71885638						
OKDS FAIRGROUND 6590	840003134709163			C			
OKDS FERGUSON 2196	USA 71637502						
OKDS FINGERPRINT 6014	840003131136200						
OKDS FLAME 5709	USA 74491718						
OKDS FLYN 6555	840003134709128						
OKDS FLYN 6577	840003134709150						
OKDS FRANK 1331	USA 71061247						
OKDS FREDDIE 1172	USA 70522916						
OKDS FREDDIE 1173	USA 70522917						
OKDS FREDDIE 1209	USA 70848227						
OKDS FREDDIE 1225	USA 70848243					C	
OKDS FREDDIE 1313	USA 71061229						
OKDS FREDDIE 1340	USA 71061256						
OKDS GALAXY 3414	USA 73345050						
OKDS GALAXY 4008	USA 73345074						
OKDS GOLD CHIP 2234	USA 71885623						
OKDS GOLD CHIP 3124	USA 72665666						
OKDS GRAFEETI 2262	USA 71885651						
OKDS GRAFEETI 4019	USA 73345085						1
OKDS GRAFEETI 4027	USA 73345093						
OKDS GRAFEETI 4101	USA 73534407						

**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
OKDS GRAFEETI 4121	USA 73534427						
OKDS GRAFEETI 4168	USA 73534474						
OKDS GRIN 4036	USA 73345102						3
OKDS GRUNT 5884	840003131136070						
OKDS GUS 1248	USA 70848266			C			
OKDS HALOGEN 4262	USA 73534568						
OKDS HALOGEN 5720	USA 74491729						
OKDS HALOGEN 5810	840003131135996						
OKDS HEADLINER 4144	USA 73534450						
OKDS HEADLINER 4200	USA 73534506						
OKDS HEADLINER 4208	USA 73534514						
OKDS HOLLOW 6553	840003134709126						
OKDS HUNK 6588	840003134709161						
OKDS HUNK 6594	840003134709167						
OKDS INDY 5525	USA 74491534						
OKDS INDY 5537	USA 74491546						
OKDS INDY 5668	USA 74491677						
OKDS INDY 5670	USA 74491679						
OKDS INDY 5770	840003131135956						
OKDS INDY 5771	840003131135957					C	
OKDS INSIDER 6022	840003131136208						
OKDS JACEY 4193	USA 73534499						
OKDS JACEY 4248	USA 73534554						
OKDS JACEY 5538	USA 74491547						
OKDS JAMAR 1222	USA 70848240			C			
OKDS JAROLD 5868	840003131136054						3
OKDS JEROD 3355	USA 72863344						
OKDS JOCK 1284	USA 70848302						
OKDS JOCK 1286	USA 70848304			C			
OKDS JOCK 1296	USA 70848314						3
OKDS JOCK 1311	USA 71061227						
OKDS JOCK 1365	USA 71061281			C			
OKDS JOCK 1369	USA 71061285			C			
OKDS JOCK 2000	USA 71061296			C			
OKDS JOCK 2005	USA 71061301						
OKDS JOCK 2011	USA 71061307						
OKDS JOCK 2012	USA 71061308						
OKDS JOCK 2075	USA 71341764						
OKDS JUPITER 2101	USA 71341790			C			
OKDS JUSTWAY 4215	USA 73534521						
OKDS JUSTWAY 4237	USA 73534543						
OKDS KAMPMAN 1147	USA 70522891			C			
OKDS KARTOON 5513	USA 74491522						
OKDS KINGBOY 5671-ET	USA 74491680						
OKDS KINGBOY 5685-ET	USA 74491694						

**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
OKDS KINGBOY 5837	840003131136023						
OKDS KINGBOY 5864	840003131136050						
OKDS KINGBOY 5893	840003131136079						
OKDS KINGBOY 5918	840003131136104						
OKDS KINGBOY 5927	840003131136113						
OKDS KRUNCH 4073	USA 73534379						
OKDS LANIGAN 5708	USA 74491717						
OKDS LARGE 2260	USA 71885649						
OKDS LARGE 2285	USA 71885674						
OKDS LAST CHANCE 2254	USA 71885643						
OKDS LAUNCH 5807	840003131135993			C		C	
OKDS LAWMAN 5604	USA 74491613						
OKDS LAWMAN 5676	USA 74491685						
OKDS LAWMAN 5735	USA 74491744						
OKDS LAWMAN 6005-TW	840003131136191						
OKDS LAWMAN 6006-TW	840003131136192						
OKDS LAYNE 2402	USA 72137962						
OKDS LAYNE 3038	USA 72324800						
OKDS LEADED 5916	840003131136102						
OKDS LEEDS 1208	USA 70848226						
OKDS LEWIS 2206	USA 71637512						
OKDS LEWIS 2283	USA 71885672						
OKDS LEWIS 3365	USA 72863354						
OKDS LIMOCAR 2296	USA 71885685						
OKDS LITHIUM 3026-ET	USA 72324788						
OKDS LITHIUM 3031-ET	USA 72324793						
OKDS LITHIUM 3033-ET	USA 72324795						
OKDS LITHIUM 3037-ET	USA 72324799						
OKDS LITHIUM 3154-ET	USA 72665696						
OKDS LITHIUM 3318	USA 72863307						
OKDS LITHIUM 3326	USA 72863315						
OKDS LOGAN 1150	USA 70522894						
OKDS LOGAN 1162	USA 70522906			C			
OKDS LOGAN 1214	USA 70848232			C		C	
OKDS LOGAN 1223	USA 70848241			C			
OKDS LYNX 1322	USA 71061238						
OKDS MACGUINESS 1282	USA 70848300						
OKDS MACGUINESS 1309	USA 71061225						
OKDS MACGUINESS 1317	USA 71061233						
OKDS MACGUINESS 1318	USA 71061234						
OKDS MAGNATE 5845	840003131136031						
OKDS MANCATO 5576	USA 74491585						
OKDS MASSEY 3269	USA 72863258			C			
OKDS MAURICE 3241	USA 72863230						
OKDS MAURICE 3263	USA 72863252						

**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
OKDS MAVERICK 6573	840003134709146						
OKDS MAYFIELD 3001	USA 72324763						
OKDS MAYFIELD 3160	USA 72665702			C	C		
OKDS MAYFIELD 3193	USA 72665735						
OKDS MAYFIELD 3270	USA 72863259						
OKDS MAYFIELD 3285	USA 72863274						
OKDS MAYFIELD 3288	USA 72863277			C			
OKDS MCCUTCHEN 3115	USA 72665657						
OKDS MCCUTCHEN 3232	USA 72863221						
OKDS MCCUTCHEN 3255	USA 72863244						
OKDS MCCUTCHEN 3346	USA 72863335						
OKDS MCCUTCHEN 3349	USA 72863338						
OKDS MCCUTCHEN 4012	USA 73345078						
OKDS MCCUTCHEN 4025	USA 73345091						
OKDS MCGYVER 4162	USA 73534468					C	
OKDS MCGYVER 4234	USA 73534540						
OKDS MELITO 4133	USA 73534439						
OKDS METEOR 2232	USA 71885621						
OKDS MIDNIGHT 5593	USA 74491602						
OKDS MIDNIGHT 5594	USA 74491603						
OKDS MIDNIGHT 5717	USA 74491726						
OKDS MIDNIGHT 5742	USA 74491751						3
OKDS MIDNIGHT 5746	USA 74491755						
OKDS MIDNIGHT 5793	840003131135979						
OKDS MILLINGTON 6025	840003131136211						
OKDS MIRAGE 2026	USA 71341715						
OKDS MOGUL 2395	USA 72137955						
OKDS MOGUL 2401	USA 72137961						
OKDS MOGUL 3149	USA 72665691						
OKDS MOGUL 3372	USA 72863361						
OKDS MOGUL 4209	USA 73534515						
OKDS MOGUL 4241	USA 73534547						
OKDS MOGUL 4247	USA 73534553						
OKDS MOGUL 4251	USA 73534557						
OKDS MOGUL 4256	USA 73534562						
OKDS MOGUL 4258	USA 73534564						
OKDS MOGUL 4269	USA 73534575						
OKDS MOGUL 4281	USA 73534587						
OKDS MOGUL 4284	USA 73534590						
OKDS MOGUL 5554	USA 74491563						
OKDS MOGUL 5648	USA 74491657						
OKDS MOGUL 5672	USA 74491681						
OKDS MOGUL 5689	USA 74491698						
OKDS MOGUL 5693	USA 74491702						
OKDS MOGUL 5722	USA 74491731						

**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
OKDS MOGUL 5748	USA 74491757						
OKDS MOGUL 5755	840003131135941						
OKDS MOGUL 5970	840003131136156						
OKDS MOGUL 6001	840003131136187						
OKDS MOGUL 6037	840003131136223						
OKDS MOGUL 6043	840003131136229						
OKDS MOGUL 6045	840003131136231						
OKDS MOGUL 6047	840003131136233						
OKDS MOGUL 6073	840003134709056						
OKDS MOGUL 6085	840003134709068						
OKDS MOGUL 6527	840003134709100						
OKDS MOGUL 6557	840003134709130						
OKDS MOGUL 6570	840003134709143						
OKDS MOGUL 6578	840003134709151	C					
OKDS MONTROSS 5758	840003131135944						
OKDS MONTROSS 5768-ET	840003131135954						
OKDS MONTROSS 5773-ET	840003131135959						
OKDS MONTROSS 5816	840003131136002						
OKDS MONTROSS 5862	840003131136048						
OKDS MONTROSS 5889	840003131136075						
OKDS MOOKIE 6067	840003134709050						
OKDS MOOKIE 6069	840003134709052						
OKDS MOOKIE 6569	840003134709142						
OKDS MOOKIE 6579	840003134709152						
OKDS MOOKIE 6592	840003134709165						
OKDS MOONBEAM 1198	USA 70522942						
OKDS MOONRAY 4103	USA 73534409						
OKDS MOONRAY 4229	USA 73534535						
OKDS MOONRAY 4254	USA 73534560						
OKDS MOSS 5515	USA 74491524						
OKDS MULTIPLY 4259	USA 73534565						
OKDS MULTIPLY 4276	USA 73534582						
OKDS MULTIPLY 4282	USA 73534588						
OKDS MULTIPLY 4291	USA 73534597						
OKDS MYSPACE 5724	USA 74491733			C			
OKDS MYSTIC 3254	USA 72863243						
OKDS OASIS 6585	840003134709158					C	
OKDS OASIS 6593	840003134709166					C	
OKDS OBSERVER 1300	USA 71061216						
OKDS OBSERVER 1302	USA 71061218						
OKDS OBSERVER 1346	USA 71061262						
OKDS OBSERVER 1356	USA 71061272						
OKDS OBSERVER 1360	USA 71061276						
OKDS OBSERVER 1367	USA 71061283						
OKDS OBSERVER 1368	USA 71061284						

**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
OKDS OBSERVER 2161	USA 71637467						
OKDS OBSERVER 2165	USA 71637471						
OKDS OBSERVER 2169	USA 71637475						
OKDS OBSERVER 2170	USA 71637476						
OKDS OBSERVER 2172	USA 71637478						
OKDS OBSERVER 2274	USA 71885663						
OKDS OBSERVER 3165	USA 72665707						
OKDS OBSERVER 3167	USA 72665709						
OKDS OBSERVER 3187	USA 72665729					C	
OKDS ORLANDO 1194	USA 70522938					C	
OKDS ORLANDO 1204	USA 70848222						
OKDS OSMOND 1254	USA 70848272						3
OKDS OSMOND 1265	USA 70848283						
OKDS OSMOND 1354	USA 71061270						
OKDS PARKER 1280	USA 70848298						
OKDS PATRIOT 3209	USA 72863198						
OKDS PATRIOT 3235	USA 72863224			C			
OKDS PETRONE 2350	USA 72137910						
OKDS PETY 5980	840003131136166						
OKDS PETY 5993	840003131136179						
OKDS PLAYOFF 6574	840003134709147						
OKDS PLUTO 1183	USA 70522927						
OKDS PLUTO 1328	USA 71061244			C			
OKDS POCONO 6564	840003134709137						
OKDS POCONO 6576	840003134709149						
OKDS PONDER 5600	USA 74491609						
OKDS PONDER 5617	USA 74491626						
OKDS PONDER 5622	USA 74491631						
OKDS PONDER 5661	USA 74491670						
OKDS PONDER 5682	USA 74491691						
OKDS PONDER 5752	840003131135938						
OKDS PONDER 5828	840003131136014						
OKDS PONDER 5885	840003131136071						
OKDS PONDER 5890	840003131136076						
OKDS PONDER 5901	840003131136087						
OKDS PONDER 5917	840003131136103			C			
OKDS PREDESTINE 4017	USA 73345083						
OKDS PREDESTINE 4043	USA 73345109						3
OKDS PREDESTINE 4058	USA 73534364						3
OKDS PREDESTINE 4077	USA 73534383						
OKDS PREDESTINE 4119	USA 73534425						3
OKDS PREDESTINE 4190	USA 73534496						3
OKDS PREDESTINE 4268	USA 73534574						3
OKDS PREDESTINE 5511	USA 74491520	C					3
OKDS PREDESTINE 5523	USA 74491532						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
OKDS PREDESTINE 5527	USA 74491536	C					
OKDS PREDESTINE 5536	USA 74491545						
OKDS PREDESTINE 5547	USA 74491556						3
OKDS PREMIER 6542	840003134709115						
OKDS PRESIDIUM 1221	USA 70848239						
OKDS PRESIDIUM 1229	USA 70848247						
OKDS PRESIDIUM 1234	USA 70848252						
OKDS PROPER 1269	USA 70848287						
OKDS PROPER 1281	USA 70848299						
OKDS PROPER 1327	USA 71061243						3
OKDS PROPER 1330	USA 71061246						
OKDS PROPER 1343	USA 71061259						
OKDS PULSAR 6032	840003131136218						
OKDS PULSAR 6046	840003131136232						
OKDS PULSAR 6048	840003131136234						
OKDS PULSAR 6068	840003134709051						
OKDS PUNCH 3022	USA 72324784						
OKDS PUNCH 3145-ET	USA 72665687						3
OKDS PUNCH 3147-ET	USA 72665689						3
OKDS PUNCH 3148-ET	USA 72665690						3
OKDS PUNCH 3153-ET	USA 72665695						
OKDS RABO 6016	840003131136202						
OKDS RAWLINS 5514	USA 74491523						
OKDS RAWLINS 5520	USA 74491529						
OKDS REALDEAL 5673	USA 74491682						
OKDS REFLECTOR 5921	840003131136107						
OKDS REFLECTOR 5929	840003131136115						
OKDS REFLECTOR 5943	840003131136129						
OKDS REST 1239	USA 70848257						
OKDS REST 1291	USA 70848309						
OKDS RODGERS 5615	USA 74491624						
OKDS RODGERS 5974	840003131136160						
OKDS ROMULUS 6560	840003134709133						
OKDS ROVER 5741	USA 74491750						
OKDS SALVINO 5830	840003131136016						
OKDS SHAMELESS 2215	USA 71637521						
OKDS SHAMROCK 2226	USA 71885615						
OKDS SHAMROCK 2247	USA 71885636						
OKDS SHAMROCK 2258	USA 71885647						
OKDS SHAMROCK 2398	USA 72137958						
OKDS SHAMROCK 2410	USA 72137970						
OKDS SHAMROCK 3005	USA 72324767						
OKDS SHAMROCK 3009-TW	USA 72324771						
OKDS SHAMROCK 3010-TW	USA 72324772						
OKDS SHAMROCK 4165	USA 73534471						

**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
OKDS SHAMROCK 4169	USA 73534475						
OKDS SHAN 3220-ET	USA 72863209						
OKDS SHAN 3231-ET	USA 72863220						
OKDS SHERAC 2240-TW	USA 71885629			C			
OKDS SHERAC 2241-TW	USA 71885630						
OKDS SHERAC 2252	USA 71885641						
OKDS SHOT GUN 1171	USA 70522915						
OKDS SHOTGLASS 3377	USA 72863366						3
OKDS SHOTGLASS 4041	USA 73345107						
OKDS SHOTGLASS 4042	USA 73345108						
OKDS SIERRA 4018	USA 73345084						
OKDS SIERRA 4022-TW	USA 73345088						
OKDS SIERRA 4023-TW	USA 73345089						
OKDS SIMPLE PLAN 5895	840003131136081						
OKDS SIMPSON 5906	840003131136092						
OKDS SKYFIRE 1271	USA 70848289						3
OKDS SPARROW 1137	USA 70522881						
OKDS SPIRIT 6554	840003134709127						
OKDS SPRING 5843-ET	840003131136029						
OKDS SPRING 6030-ET	840003131136216						
OKDS STERLING 3228	USA 72863217						
OKDS STERLING 4051	USA 73534357						
OKDS STOIC 5555	USA 74491564						
OKDS STOIC 5562	USA 74491571		C				
OKDS STOIC 5585	USA 74491594						
OKDS STOIC 5715	USA 74491724						
OKDS STOKES 1326	USA 71061242			C			
OKDS SUPERSEDE 4219	USA 73534525						
OKDS SUPERSHOT 5856-ET	840003131136042						
OKDS SUPERSHOT 5857-ET	840003131136043						
OKDS SUPERSHOT 5863-ET	840003131136049						
OKDS SUPERSIRE 3168	USA 72665710						
OKDS SUPERSIRE 3174	USA 72665716						
OKDS SUPERSIRE 3401-ET	USA 73345037						
OKDS SUPERSIRE 3406-ET	USA 73345042						
OKDS SUPERSIRE 3409-ET	USA 73345045						
OKDS SUPERSIRE 4000	USA 73345066						
OKDS SUPERSIRE 4048	USA 73345114						
OKDS SUPERSIRE 4099	USA 73534405						
OKDS SUPERSIRE 4127	USA 73534433						
OKDS SUPERSIRE 4131	USA 73534437						
OKDS SUPERSIRE 4135	USA 73534441						
OKDS SUPERSIRE 4192	USA 73534498						
OKDS SUPERSIRE 4207	USA 73534513						
OKDS SUPERSIRE 4272	USA 73534578						

**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
OKDS SUPERSIRE 4286	USA 73534592						
OKDS SUPERSIRE 5618	USA 74491627						
OKDS SUPERSIRE 5660	USA 74491669						
OKDS SYMPATICO 3248	USA 72863237						
OKDS SYMPATICO 3304	USA 72863293						
OKDS TAILOR 6088	840003134709071						
OKDS TANGO 4037-ET	USA 73345103						
OKDS TANGO 4064	USA 73534370		C				
OKDS TANGO 5503	USA 74491512						
OKDS TANGO 5659	USA 74491668						
OKDS TANGO 5663	USA 74491672						
OKDS TANGO 6551	840003134709124						
OKDS TAPE 2214	USA 71637520						
OKDS TEMPO 2068	USA 71341757						
OKDS TEMPO 2070	USA 71341759			C			
OKDS TEMPO 2084	USA 71341773						
OKDS TEMPO 2086	USA 71341775						
OKDS TORNADO 1255	USA 70848273						
OKDS TRADING CARD 5505	USA 74491514						
OKDS TROY 5619	USA 74491628						
OKDS TROY 5640	USA 74491649						
OKDS TROY 5694	USA 74491703						
OKDS TROY 5713	USA 74491722						
OKDS TROY 5965	840003131136151						
OKDS TROY 6029	840003131136215						
OKDS TROY 6535	840003134709108						1
OKDS TUFFENUFF 5677	USA 74491686						
OKDS TUFFENUFF 5792	840003131135978		C				
OKDS TUFFENUFF 5861	840003131136047						
OKDS VENTURA 3402	USA 73345038						
OKDS WISEMAN 5597	USA 74491606						
OKDS WISEMAN 5638	USA 74491647						
OKDS WISEMAN 5775	840003131135961						
OKDS YANO 2124	USA 71637430						
OKDS YANO 2139	USA 71637445						
OKDS YODER 6514	840003134709087						
OKDS YOWZA 4007-ET	USA 73345073						
OKDS ZAZU 1362	USA 71061278						
OKDS ZAZU 2020	USA 71341709						
OKDS ZAZU 2088	USA 71341777						
OKDS ZYKE 5745	USA 74491754						
OLAHOLME SOVEREIGN CARLENE	CAN 8747391						
OLD-ACRES ATWOD SHERRY-ET	840003128849511						
OLD-ACRES ATWOOD SHEY-ET	840003128849519						
OLD-ACRES FARM REGIN OREO	USA 142931194						

**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
OLD-ACRES FM REGINALD SPECT	USA 142931215						
OLD-ACRES FM SAB SID GEM-ET	USA 142591284						
OLD-ACRES GOLDEN BRITNEY-ET	USA 141532945						1
OLD-ACRES GOLDEN SILVIA-ET	USA 141637396						
OLD-ACRES SABY D DOLLY-ET	USA 141091110						
OLD-ACRES SHOTTLE SABY-ET	USA 139657665						
OLD-ACRES SUPRSITION ABY-ET	USA 140998768						
OLD-ACRES WINDBROOK 2059-ET	840003124841798						1
OLD-DOMINION 5666 6587	USA 72179007						
OLD-DOMINION 5723 6665	USA 72179085						
OLD-DOMINION 6017 6959	USA 72750021						
OLD-DOMINION ABRAHAM 6107	USA 70717882						
OLD-DOMINION ABRAHAM 6175	USA 70717950						
OLD-DOMINION ABRAHAM 6270	USA 71837797						
OLD-DOMINION ABRAHAM 6337	USA 71837864						
OLD-DOMINION ABRAHAM 6345	USA 71837872						
OLD-DOMINION ABRAHAM 6379	USA 71837906						
OLD-DOMINION ABRAHAM 6408	USA 71837935						
OLD-DOMINION ABRAHAM 6455	USA 71837982						
OLD-DOMINION ABRAHAM 6459	USA 71837986						
OLD-DOMINION ABRAHAM 6465	USA 71837992						
OLD-DOMINION ABRAHAM 6502	USA 72178922						
OLD-DOMINION ABRAHAM 6536	USA 72178956						
OLD-DOMINION ABRAHAM 6541	USA 72178961						
OLD-DOMINION ABRAHAM 6567	USA 72178987						
OLD-DOMINION ABRAHAM 6578	USA 72178998						
OLD-DOMINION ABRAHAM 6588	USA 72179008						
OLD-DOMINION ABRAHAM 6654	USA 72179074						
OLD-DOMINION ABRAHAM 6682	USA 72179102						
OLD-DOMINION ABRAHAM 6683	USA 72179103						
OLD-DOMINION ABRAHAM 6686	USA 72179106						
OLD-DOMINION ABRAHAM 6687	USA 72179107						
OLD-DOMINION ABRAHAM 6691	USA 72179111	C					
OLD-DOMINION ABRAHAM 6695	USA 72179115						
OLD-DOMINION ABRAHAM 6708	USA 72179128						
OLD-DOMINION ABRAHAM 6749	USA 72179169						
OLD-DOMINION ABRAHAM 6767	USA 72179187						
OLD-DOMINION ABRAHAM 6791	USA 72179211						
OLD-DOMINION ABRAHAM 6844	USA 72749906						
OLD-DOMINION ABRAHAM 6846	USA 72749908			C			
OLD-DOMINION ABRAHAM 6849	USA 72749911						
OLD-DOMINION ABRAHAM 6902	USA 72749964						
OLD-DOMINION ABRAHAM 6953	USA 72750015						
OLD-DOMINION ABRAHAM 6955	USA 72750017						
OLD-DOMINION ABRAHAM 6970	USA 72750032						

**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
OLD-DOMINION ABRAHAM 6975	USA 72750037						
OLD-DOMINION ABRAHAM 7004	USA 72750066						
OLD-DOMINION ABRAHAM 7017	USA 72750079						
OLD-DOMINION ABRAHAM 7023	USA 72750085						
OLD-DOMINION ABRAHAM 7055	USA 72750117						
OLD-DOMINION ABRAHAM 7062	USA 72750124						
OLD-DOMINION ABRAHAM 7073	USA 72750135						
OLD-DOMINION ABRAHAM 7078	USA 72750140						
OLD-DOMINION ABRAHAM 7088	USA 72750150						
OLD-DOMINION ABRAHAM 7101	USA 72750163						
OLD-DOMINION ABRAHAM 7171	USA 72750233						
OLD-DOMINION ABRAHAM 7178	USA 72750240						
OLD-DOMINION ABRAHAM 7216	USA 72750278						
OLD-DOMINION ABRAHAM 7223	USA 72750285			C			
OLD-DOMINION ABRAHAM 7256	USA 72750318						
OLD-DOMINION ABRAHAM 7258	USA 72750320						
OLD-DOMINION ABRAHAM 7305	USA 73985774						
OLD-DOMINION ABRAHAM 7310	USA 73985779						
OLD-DOMINION ABRAHAM 7313	USA 73985782						
OLD-DOMINION ABRAHAM 7319	USA 73985788						
OLD-DOMINION ABRAHAM 7336	USA 73985805						
OLD-DOMINION ABRAHAM 7343	USA 73985812						
OLD-DOMINION ABRAHAM 7403	USA 73985872						
OLD-DOMINION ABRAHAM 7554	USA 73986023						
OLD-DOMINION ABRAHM 6473-ET	USA 71838000						
OLD-DOMINION ADIDAS 6778	USA 72179198						
OLD-DOMINION ADIDAS 6805	USA 72749867						
OLD-DOMINION ADIDAS 6830	USA 72749892						
OLD-DOMINION ADIDAS 6854	USA 72749916						
OLD-DOMINION ADIDAS 6888	USA 72749950						
OLD-DOMINION ADIDAS 7164-ET	USA 72750226						
OLD-DOMINION ADIDAS 7208-ET	USA 72750270						
OLD-DOMINION ADIDAS 7210-ET	USA 72750272						
OLD-DOMINION ADIDAS 7215-ET	USA 72750277						
OLD-DOMINION ADIDAS 7232-ET	USA 72750294			C			
OLD-DOMINION ADIDAS 7288-ET	USA 72750350						
OLD-DOMINION ADIDAS 7441	USA 73985910						
OLD-DOMINION ADIDAS 7698-ET	840003128995579						
OLD-DOMINION ADRIAN 7289-ET	USA 72750351						
OLD-DOMINION ADRIAN 7294-ET	USA 72750356						
OLD-DOMINION ADRIAN 7295-ET	USA 72750357						
OLD-DOMINION ADRIAN 7297-ET	USA 72750359						
OLD-DOMINION ADRIAN 7467	USA 73985936						
OLD-DOMINION ADRIAN 7470	USA 73985939						
OLD-DOMINION ADRIAN 7477	USA 73985946						

**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
OLD-DOMINION ADRIAN 7479	USA 73985948						
OLD-DOMINION ADRIAN 7497	USA 73985966			C			
OLD-DOMINION ADRIAN 7524	USA 73985993						
OLD-DOMINION ADRIAN 7527	USA 73985996						
OLD-DOMINION ADRIAN 7575	USA 73986044						
OLD-DOMINION ADRIAN 7628	840003128995509						
OLD-DOMINION ADRIAN 7639-ET	840003128995520						
OLD-DOMINION ADRIAN 7645-ET	840003128995526						
OLD-DOMINION ADRIAN 7651-ET	840003128995532						
OLD-DOMINION ADRIAN 7668	840003128995549						
OLD-DOMINION ADRIAN 7690	840003128995571						
OLD-DOMINION ADRIAN 7788	840003128995669						
OLD-DOMINION ADRIAN 7811	840003128995692						
OLD-DOMINION ADRIAN 7864-TW	840003128995745						
OLD-DOMINION ADRIAN 7865-TW	840003128995746						
OLD-DOMINION ADRIAN 7895	840003128995776						
OLD-DOMINION ADRIAN 7902	840003128995783						
OLD-DOMINION ADRIAN 7907	840003128995788						
OLD-DOMINION ADRIAN 7909	840003128995790						
OLD-DOMINION ADRIAN 7962	840003128995843						
OLD-DOMINION AIRNET 6478-ET	USA 71838005						
OLD-DOMINION ALMOND 6760	USA 72179180						
OLD-DOMINION ALMOND 6775	USA 72179195						
OLD-DOMINION ALMOND 6776	USA 72179196					C	
OLD-DOMINION ALMOND 6828	USA 72749890						
OLD-DOMINION ALMOND 6845	USA 72749907						
OLD-DOMINION ALMOND 6850	USA 72749912					C	
OLD-DOMINION ALMOND 6918	USA 72749980						
OLD-DOMINION ALMOND 6920	USA 72749982						
OLD-DOMINION AMBIENT 7634	840003128995515						
OLD-DOMINION AMBIENT 7663	840003128995544						
OLD-DOMINION AMBIENT 7703	840003128995584						
OLD-DOMINION AMBIENT 7728	840003128995609						
OLD-DOMINION AMBIENT 7729	840003128995610						
OLD-DOMINION AMBIENT 7756	840003128995637						
OLD-DOMINION AMBIENT 7790	840003128995671						
OLD-DOMINION AMBIENT 7801	840003128995682						
OLD-DOMINION ARMNDO 7240-ET	USA 72750302						
OLD-DOMINION BANNING 5969	USA 70717744						
OLD-DOMINION BANNING 5975	USA 70717750						
OLD-DOMINION BANNING 6064	USA 70717839						
OLD-DOMINION BANNING 6082	USA 70717857						
OLD-DOMINION BANNING 6090	USA 70717865						
OLD-DOMINION BANNING 6139	USA 70717914						
OLD-DOMINION BANNING 6143	USA 70717918						

**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
OLD-DOMINION BANNING 6162	USA 70717937						
OLD-DOMINION BANNING 6163	USA 70717938	C					
OLD-DOMINION BANNING 6183	USA 70717958						
OLD-DOMINION BANNING 6184	USA 70717959						
OLD-DOMINION BANNING 6361	USA 71837888						
OLD-DOMINION BANNING 6437	USA 71837964						
OLD-DOMINION BILL 5767	USA 70163288						
OLD-DOMINION BILL 5773	USA 70163294						
OLD-DOMINION BILL 5775	USA 70163296			C			
OLD-DOMINION BILL 5867	USA 70163388			C			
OLD-DOMINION BILL 5883	USA 70163404			C			
OLD-DOMINION BILL 5888	USA 70163409			C			
OLD-DOMINION BOUTLAND 5935	USA 70717710						
OLD-DOMINION BOUTLAND 5937	USA 70717712						
OLD-DOMINION BOUTLAND 5943	USA 70717718						
OLD-DOMINION BOUTLAND 5946	USA 70717721						
OLD-DOMINION BOUTLAND 5988	USA 70717763						
OLD-DOMINION BOUTLAND 6008	USA 70717783						
OLD-DOMINION BOYOBOY 6244	USA 71837771						
OLD-DOMINION BOYOBOY 6290	USA 71837817						
OLD-DOMINION BOYOBOY 6293	USA 71837820						
OLD-DOMINION BOYOBOY 6358	USA 71837885						
OLD-DOMINION BOYOBOY 6384	USA 71837911						
OLD-DOMINION BOYOBOY 6417	USA 71837944						
OLD-DOMINION BOYOBOY 6425	USA 71837952						
OLD-DOMINION BOYOBOY 6453	USA 71837980						
OLD-DOMINION BOYOBOY 6492	USA 71838019						
OLD-DOMINION BOYOBOY 6493	USA 71838020						
OLD-DOMINION BOYOBOY 6499	USA 71838026						
OLD-DOMINION BOYOBOY 6520	USA 72178940						
OLD-DOMINION BOYOBOY 6527	USA 72178947						
OLD-DOMINION BOYOBOY 6532	USA 72178952						
OLD-DOMINION BOYOBOY 6558	USA 72178978						
OLD-DOMINION BOYOBOY 6573	USA 72178993						
OLD-DOMINION BOYOBOY 6602	USA 72179022						
OLD-DOMINION BOYOBOY 6604	USA 72179024						
OLD-DOMINION BOYOBOY 6606	USA 72179026						
OLD-DOMINION BOYOBOY 6608	USA 72179028						
OLD-DOMINION BOYOBOY 6635	USA 72179055						
OLD-DOMINION BOYOBOY 6646	USA 72179066						
OLD-DOMINION BOYOBOY 6690	USA 72179110	C					
OLD-DOMINION BOYOBOY 6692	USA 72179112						
OLD-DOMINION BOYOBOY 6732	USA 72179152						
OLD-DOMINION BOYOBOY 6753	USA 72179173						
OLD-DOMINION BOYOBOY 6789	USA 72179209						

**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
OLD-DOMINION BOYOBOY 6793	USA 72179213						
OLD-DOMINION BOYOBOY 6797	USA 72179217						
OLD-DOMINION BOYOBOY 6804	USA 72749866						
OLD-DOMINION BOYOBOY 6817	USA 72749879						
OLD-DOMINION BOYOBOY 6948	USA 72750010						
OLD-DOMINION BUD 6438	USA 71837965						
OLD-DOMINION BUD 6448	USA 71837975						
OLD-DOMINION BUD 6457	USA 71837984						
OLD-DOMINION BUD 6471	USA 71837998			C			
OLD-DOMINION BUD 6474	USA 71838001						
OLD-DOMINION BUD 6483	USA 71838010						
OLD-DOMINION BUD 6487	USA 71838014						
OLD-DOMINION BUD 6491	USA 71838018						
OLD-DOMINION BUD 6497	USA 71838024						
OLD-DOMINION BUD 6516	USA 72178936						
OLD-DOMINION BUD 6542	USA 72178962						
OLD-DOMINION BUD 6543	USA 72178963						
OLD-DOMINION BUD 6550	USA 72178970						
OLD-DOMINION BUD 6592	USA 72179012						
OLD-DOMINION BUD 6593	USA 72179013						
OLD-DOMINION BUD 6630	USA 72179050						
OLD-DOMINION BUD 6657	USA 72179077						
OLD-DOMINION BUD 6669	USA 72179089						
OLD-DOMINION BUD 6672-ET	USA 72179092						
OLD-DOMINION BUD 6675	USA 72179095						
OLD-DOMINION BUD 6678	USA 72179098						
OLD-DOMINION BUD 6700-ET	USA 72179120						
OLD-DOMINION BUD 6707	USA 72179127						
OLD-DOMINION BUD 6723-TW	USA 72179143			C			
OLD-DOMINION BUD 6724-TW	USA 72179144						
OLD-DOMINION BUD 6734	USA 72179154						
OLD-DOMINION BUD 6737	USA 72179157						
OLD-DOMINION BUD 6740	USA 72179160						
OLD-DOMINION CABHI 5698	USA 70163219						
OLD-DOMINION CABHI 5715-TW	USA 70163236						
OLD-DOMINION CABHI 5716-TW	USA 70163237						
OLD-DOMINION CABHI 5725	USA 70163246						
OLD-DOMINION CABHI 5733	USA 70163254						
OLD-DOMINION CABHI 5739	USA 70163260			C			
OLD-DOMINION CABHI 5753	USA 70163274						
OLD-DOMINION CABHI 5757	USA 70163278						
OLD-DOMINION CABHI 5768	USA 70163289						
OLD-DOMINION CABHI 5899	USA 70163420						
OLD-DOMINION CABRIOLET 6938	USA 72750000						
OLD-DOMINION CABRIOLET 6945	USA 72750007						

**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
OLD-DOMINION CABRIOLET 7064	USA 72750126						
OLD-DOMINION CABRIOLET 7105	USA 72750167						
OLD-DOMINION CABRIOLET 7111	USA 72750173						
OLD-DOMINION CABRIOLET 7117	USA 72750179						
OLD-DOMINION CABRIOLET 7145	USA 72750207						
OLD-DOMINION CABRIOLET 7148	USA 72750210						
OLD-DOMINION CABRIOLET 7242	USA 72750304						
OLD-DOMINION CABRIOLET 7254	USA 72750316						
OLD-DOMINION CABRIOLET 7266	USA 72750328						
OLD-DOMINION CABRIOLET 7267	USA 72750329						
OLD-DOMINION CABRIOLET 7270	USA 72750332						
OLD-DOMINION CABRIOLET 7277	USA 72750339						
OLD-DOMINION CABRIOLET 7333	USA 73985802						
OLD-DOMINION CABRIOLET 7352	USA 73985821						
OLD-DOMINION CABRIOLET 7360	USA 73985829						
OLD-DOMINION CABRIOLET 7402	USA 73985871						
OLD-DOMINION CABRIOLET 7433	USA 73985902						
OLD-DOMINION CABRIOLET 7447	USA 73985916						
OLD-DOMINION CABRIOLET 7450	USA 73985919						
OLD-DOMINION CABRIOLET 7498	USA 73985967						
OLD-DOMINION CABRIOLET 7505	USA 73985974						
OLD-DOMINION CABRIOLET 7510	USA 73985979						
OLD-DOMINION CABRIOLET 7518	USA 73985987						
OLD-DOMINION CABRIOLET 7522	USA 73985991			C			
OLD-DOMINION CABRIOLET 7525	USA 73985994						
OLD-DOMINION CABRIOLET 7535	USA 73986004						
OLD-DOMINION CABRIOLET 7541	USA 73986010						
OLD-DOMINION CABRIOLET 7542	USA 73986011						
OLD-DOMINION CABRIOLET 7543	USA 73986012			C			
OLD-DOMINION CABRIOLET 7545	USA 73986014						
OLD-DOMINION CABRIOLET 7547	USA 73986016						
OLD-DOMINION CABRIOLET 7549	USA 73986018						
OLD-DOMINION CABRIOLET 7556	USA 73986025						
OLD-DOMINION CABRIOLET 7567	USA 73986036						
OLD-DOMINION CABRIOLET 7592	USA 73986061						
OLD-DOMINION CABRIOLET 7597	USA 73986066						
OLD-DOMINION CABRIOLET 7605	840003128995486						
OLD-DOMINION CABRIOLET 7612	840003128995493	C					
OLD-DOMINION CABRIOLET 7615	840003128995496						
OLD-DOMINION CABRIOLET 7618	840003128995499						
OLD-DOMINION CABRIOLET 7619	840003128995500						
OLD-DOMINION CABRIOLET 7621	840003128995502						
OLD-DOMINION CABRIOLET 7622	840003128995503						
OLD-DOMINION CABRIOLET 7635	840003128995516						
OLD-DOMINION CABRIOLET 7649	840003128995530						

**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
OLD-DOMINION CABRIOLET 7659	840003128995540						
OLD-DOMINION CABRIOLET 7674	840003128995555						
OLD-DOMINION CABRIOLET 7680	840003128995561						
OLD-DOMINION CABRIOLET 7689	840003128995570						
OLD-DOMINION CABRIOLET 7693	840003128995574						
OLD-DOMINION CABRIOLET 7700	840003128995581						
OLD-DOMINION CABRIOLET 7701	840003128995582						
OLD-DOMINION CABRIOLET 7702	840003128995583						
OLD-DOMINION CABRIOLET 7704	840003128995585						
OLD-DOMINION CABRIOLET 7705	840003128995586						
OLD-DOMINION CABRIOLET 7708	840003128995589						
OLD-DOMINION CABRIOLET 7718	840003128995599						
OLD-DOMINION CABRIOLET 7726	840003128995607						
OLD-DOMINION CABRIOLET 7730	840003128995611						
OLD-DOMINION CABRIOLET 7731	840003128995612						
OLD-DOMINION CABRIOLET 7733	840003128995614						
OLD-DOMINION CABRIOLET 7736	840003128995617						
OLD-DOMINION CABRIOLET 7737	840003128995618						
OLD-DOMINION CABRIOLET 7743	840003128995624						
OLD-DOMINION CABRIOLET 7757	840003128995638						
OLD-DOMINION CABRIOLET 7778	840003128995659						
OLD-DOMINION CABRIOLET 7780	840003128995661						
OLD-DOMINION CABRIOLET 7783	840003128995664						
OLD-DOMINION CABRIOLET 7789	840003128995670						
OLD-DOMINION CABRIOLET 7791	840003128995672						
OLD-DOMINION CABRIOLET 7794	840003128995675						
OLD-DOMINION CABRIOLET 7795	840003128995676						
OLD-DOMINION CABRIOLET 7805	840003128995686						
OLD-DOMINION CABRIOLET 7810	840003128995691						
OLD-DOMINION CABRIOLET 7836	840003128995717						
OLD-DOMINION CABRIOLET 7849	840003128995730						
OLD-DOMINION CABRIOLET 7858	840003128995739						
OLD-DOMINION CABRIOLET 7860	840003128995741						
OLD-DOMINION CABRIOLET 7867	840003128995748						
OLD-DOMINION CABRIOLET 7873	840003128995754						
OLD-DOMINION CABRIOLET 7879	840003128995760						
OLD-DOMINION CABRIOLET 7904	840003128995785						
OLD-DOMINION CABRIOLET 7911	840003128995792						
OLD-DOMINION CABRIOLET 7914	840003128995795						
OLD-DOMINION CABRIOLET 7916	840003128995797						
OLD-DOMINION CABRIOLET 7917	840003128995798						
OLD-DOMINION CABRIOLET 7918	840003128995799						
OLD-DOMINION CABRIOLET 7921	840003128995802			C			
OLD-DOMINION CABRIOLET 7933	840003128995814						
OLD-DOMINION CABRIOLET 7936	840003128995817						

**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
OLD-DOMINION CABRIOLET 7943	840003128995824						
OLD-DOMINION CABRIOLET 7944	840003128995825						
OLD-DOMINION CABRIOLET 7947	840003128995828						
OLD-DOMINION CABRIOLET 7949	840003128995830						
OLD-DOMINION CABRIOLET 7958	840003128995839						
OLD-DOMINION CABRIOLET 7967	840003128995848						
OLD-DOMINION CASS5129 6016	USA 70717791						
OLD-DOMINION CASS 5129 6115	USA 70717890						
OLD-DOMINION CASSINO 5727	USA 70163248						
OLD-DOMINION CASSINO 5729	USA 70163250						
OLD-DOMINION CASSINO 5790	USA 70163311						
OLD-DOMINION CASSINO 5797	USA 70163318						
OLD-DOMINION CASSINO 5822	USA 70163343						
OLD-DOMINION CASSINO 5824	USA 70163345						
OLD-DOMINION CASSINO 5838	USA 70163359						
OLD-DOMINION CASSINO 5844	USA 70163365						
OLD-DOMINION CASSINO 5885	USA 70163406						
OLD-DOMINION CASSINO 5898	USA 70163419						
OLD-DOMINION CASSINO 5923	USA 70717698						
OLD-DOMINION CASSINO 5925	USA 70717700						
OLD-DOMINION CASSINO 5927	USA 70717702						
OLD-DOMINION CASSINO 5932	USA 70717707						
OLD-DOMINION CASSINO 5958	USA 70717733						
OLD-DOMINION CASSINO 5962	USA 70717737						
OLD-DOMINION CASSINO 5993	USA 70717768						
OLD-DOMINION CASSINO 6012	USA 70717787						
OLD-DOMINION CASSINO 6146	USA 70717921						
OLD-DOMINION CBRLET 7655-TW	840003128995536						
OLD-DOMINION CHAP 6439	USA 71837966						
OLD-DOMINION CHAP 6506	USA 72178926						
OLD-DOMINION CHAP 6562	USA 72178982						
OLD-DOMINION CHAP 6579	USA 72178999						
OLD-DOMINION CHAP 6590	USA 72179010						
OLD-DOMINION CHAP 6600	USA 72179020						
OLD-DOMINION CHAP 6611	USA 72179031						
OLD-DOMINION CHASER 7859-ET	840003128995740						
OLD-DOMINION CHASER 7861-ET	840003128995742						
OLD-DOMINION CHRGER 7930-ET	840003128995811						
OLD-DOMINION COLE 5699	USA 70163220						
OLD-DOMINION COLE 5750	USA 70163271						
OLD-DOMINION COLE 5831	USA 70163352						
OLD-DOMINION COLE 5878	USA 70163399						
OLD-DOMINION DAUDEN 6188	USA 70717963						
OLD-DOMINION DAY 6621	USA 72179041						
OLD-DOMINION DAY 6634	USA 72179054						

**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
OLD-DOMINION DAY 6638	USA 72179058						
OLD-DOMINION DAY 6640-ET	USA 72179060						
OLD-DOMINION DAY 6649	USA 72179069						
OLD-DOMINION DAY 6667	USA 72179087						
OLD-DOMINION DAY 6681	USA 72179101						
OLD-DOMINION DAY 6685	USA 72179105						
OLD-DOMINION DAY 6764	USA 72179184						
OLD-DOMINION DAY 6765	USA 72179185						
OLD-DOMINION DAY 6781	USA 72179201						
OLD-DOMINION DAY 6785	USA 72179205						
OLD-DOMINION DAY 6866	USA 72749928						
OLD-DOMINION DAY 6887	USA 72749949						
OLD-DOMINION DAY 6891-ET	USA 72749953						
OLD-DOMINION DAY 6907	USA 72749969						
OLD-DOMINION DAY 6954	USA 72750016						
OLD-DOMINION DAY 6973	USA 72750035						
OLD-DOMINION DAY 6988	USA 72750050						
OLD-DOMINION DAY 7000	USA 72750062						
OLD-DOMINION DAY 7029	USA 72750091						
OLD-DOMINION DAY 7042	USA 72750104						
OLD-DOMINION DAY 7072	USA 72750134						
OLD-DOMINION DAY 7075	USA 72750137						
OLD-DOMINION DAY 7106	USA 72750168						
OLD-DOMINION DAY 7222-ET	USA 72750284						
OLD-DOMINION DENIM 6114	USA 70717889						
OLD-DOMINION DENIM 6124	USA 70717899						
OLD-DOMINION DENIM 6155	USA 70717930			C			
OLD-DOMINION DENIM 6172	USA 70717947						
OLD-DOMINION DENIM 6187	USA 70717962						
OLD-DOMINION DENIM 6209	USA 71837736						
OLD-DOMINION DENIM 6226	USA 71837753						
OLD-DOMINION DENIM 6248	USA 71837775						
OLD-DOMINION DENIM 6371	USA 71837898						
OLD-DOMINION DENIM 6423	USA 71837950						
OLD-DOMINION DENIM 6436	USA 71837963						
OLD-DOMINION DENIM 6451	USA 71837978						
OLD-DOMINION DENIM 6458	USA 71837985						
OLD-DOMINION DENIM 6470	USA 71837997						
OLD-DOMINION DENIM 6482	USA 71838009						
OLD-DOMINION DENIM 6519	USA 72178939						
OLD-DOMINION DENIM 6552	USA 72178972						
OLD-DOMINION DENIM 6582	USA 72179002						
OLD-DOMINION DENIM 6583	USA 72179003						
OLD-DOMINION DENIM 6623	USA 72179043						
OLD-DOMINION DENIM 6628	USA 72179048						

**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
OLD-DOMINION DENIM 6629	USA 72179049						
OLD-DOMINION DENIM 6632	USA 72179052						
OLD-DOMINION DENIM 6639	USA 72179059						
OLD-DOMINION DENIM 6647	USA 72179067						
OLD-DOMINION DENIM 6658	USA 72179078						
OLD-DOMINION DENIM 6694	USA 72179114						
OLD-DOMINION DENIM 6715	USA 72179135	C					
OLD-DOMINION DENIM 6718	USA 72179138						
OLD-DOMINION DENIM 6725	USA 72179145						
OLD-DOMINION DENIM 6726	USA 72179146			C			
OLD-DOMINION DENIM 6743	USA 72179163						
OLD-DOMINION DENIM 6754	USA 72179174						
OLD-DOMINION DENIM 6774	USA 72179194						
OLD-DOMINION DENIM 6806	USA 72749868						
OLD-DOMINION DENIM 6864	USA 72749926						
OLD-DOMINION DENIM 6871	USA 72749933						
OLD-DOMINION DENIM 6872	USA 72749934						
OLD-DOMINION DENIM 6893	USA 72749955						
OLD-DOMINION DENIM 6927	USA 72749989						
OLD-DOMINION DENIM 6983	USA 72750045						
OLD-DOMINION DENIM 7007	USA 72750069						
OLD-DOMINION DENIM 7012	USA 72750074						
OLD-DOMINION DENIM 7077	USA 72750139						
OLD-DOMINION DENIM 7099	USA 72750161						
OLD-DOMINION DENIM 7170	USA 72750232						
OLD-DOMINION DENZEL 7697	840003128995578						1
OLD-DOMINION DESIGN 6717	USA 72179137						
OLD-DOMINION DESIGN 6755	USA 72179175						
OLD-DOMINION DESIGN 6763	USA 72179183						
OLD-DOMINION DESIGN 6807	USA 72749869						
OLD-DOMINION DESIGN 6808	USA 72749870						
OLD-DOMINION DESIGN 6843-TW	USA 72749905						
OLD-DOMINION DESIGN 6847	USA 72749909						
OLD-DOMINION DESIGN 6900	USA 72749962						
OLD-DOMINION DESIGN 6913	USA 72749975						
OLD-DOMINION DESIGN 6919	USA 72749981						
OLD-DOMINION DESIGN 6932	USA 72749994						
OLD-DOMINION DESIGN 6934	USA 72749996			C			
OLD-DOMINION ECO 6275 7249	USA 72750311						
OLD-DOMINION ECO 6275 7316	USA 73985785						
OLD-DOMINION ECO 6275 7350	USA 73985819						
OLD-DOMINION ECO 6275 7381	USA 73985850						
OLD-DOMINION ECO 6275 7429	USA 73985898						
OLD-DOMINION ECO 6275 7437	USA 73985906						
OLD-DOMINION ECO 6275 7440	USA 73985909						

**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
OLD-DOMINION ECO 6275 7443	USA 73985912						
OLD-DOMINION ECO 6275 7452	USA 73985921						
OLD-DOMINION ECO 6275 7457	USA 73985926						
OLD-DOMINION ECO 6275 7475	USA 73985944						
OLD-DOMINION ECO 6275 7487	USA 73985956						
OLD-DOMINION ECO 6275 7503	USA 73985972						
OLD-DOMINION ECO 6275 7508	USA 73985977						
OLD-DOMINION ECO 6275 7571	USA 73986040						
OLD-DOMINION ECO 6275 7603	840003128995484						
OLD-DOMINION ECO 6275 7633	840003128995514						
OLD-DOMINION ECO 6275 7660	840003128995541						
OLD-DOMINION ECOYNE 6204-ET	USA 71837731						
OLD-DOMINION ECOYNE 6225-ET	USA 71837752						
OLD-DOMINION ECOYNE 6313-ET	USA 71837840						
OLD-DOMINION ECOYNE 6362	USA 71837889						
OLD-DOMINION ECOYNE 6390-ET	USA 71837917						
OLD-DOMINION EMERALD 7624	840003128995505						
OLD-DOMINION EMERALD 7686	840003128995567						
OLD-DOMINION EMERALD 7735	840003128995616						
OLD-DOMINION EMERALD 7815	840003128995696						
OLD-DOMINION EMERALD 7817	840003128995698						
OLD-DOMINION EMERALD 7903	840003128995784						
OLD-DOMINION EMERALD 7910	840003128995791						
OLD-DOMINION EMERALD 7915	840003128995796						
OLD-DOMINION EMERLD 7577-ET	USA 73986046						
OLD-DOMINION EMERLD 7587-ET	USA 73986056						
OLD-DOMINION EMERLD 7594-ET	USA 73986063						
OLD-DOMINION EMERLD 7595-ET	USA 73986064						
OLD-DOMINION EMERLD 7711-ET	840003128995592						
OLD-DOMINION EMRLD 7832	840003128995713						
OLD-DOMINION EMRLD 7851	840003128995732						
OLD-DOMINION EMRLD 7852-TW	840003128995733						
OLD-DOMINION EMRLD 7853-TW	840003128995734						
OLD-DOMINION EMRLD 7877	840003128995758						
OLD-DOMINION EMRLD 7885	840003128995766						
OLD-DOMINION EMRLD 7886	840003128995767						
OLD-DOMINION EMRLD 7912-TW	840003128995793						
OLD-DOMINION EMRLD 7919-TW	840003128995800						
OLD-DOMINION EMRLD 7956	840003128995837						
OLD-DOMINION FLOYD 5758	USA 70163279						
OLD-DOMINION FLOYD 5785	USA 70163306						
OLD-DOMINION FLOYD 5808	USA 70163329						
OLD-DOMINION FLOYD 5848	USA 70163369						
OLD-DOMINION FLOYD 5849	USA 70163370						
OLD-DOMINION FLOYD 5861	USA 70163382						

**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
OLD-DOMINION FLOYD 5863	USA 70163384						
OLD-DOMINION FLOYD 5870	USA 70163391						
OLD-DOMINION FLOYD 5891	USA 70163412						
OLD-DOMINION FLYN 7134	USA 72750196						
OLD-DOMINION FLYN 7154	USA 72750216						
OLD-DOMINION FLYN 7162	USA 72750224						
OLD-DOMINION FLYN 7177-ET	USA 72750239						
OLD-DOMINION FLYN 7180	USA 72750242						
OLD-DOMINION FLYN 7181	USA 72750243						
OLD-DOMINION FLYN 7183	USA 72750245						
OLD-DOMINION FLYN 7188	USA 72750250						
OLD-DOMINION FLYN 7192	USA 72750254						
OLD-DOMINION FLYN 7198	USA 72750260						
OLD-DOMINION FLYN 7199	USA 72750261						
OLD-DOMINION FLYN 7200	USA 72750262						
OLD-DOMINION FLYN 7201	USA 72750263						
OLD-DOMINION FLYN 7206	USA 72750268						
OLD-DOMINION FLYN 7226	USA 72750288						
OLD-DOMINION FLYN 7227	USA 72750289						
OLD-DOMINION FLYN 7228	USA 72750290						
OLD-DOMINION FLYN 7234	USA 72750296						
OLD-DOMINION FLYN 7235	USA 72750297	C					
OLD-DOMINION FLYN 7237	USA 72750299						
OLD-DOMINION FLYN 7243	USA 72750305						
OLD-DOMINION FLYN 7252	USA 72750314						
OLD-DOMINION FLYN 7263	USA 72750325						
OLD-DOMINION FLYN 7276	USA 72750338						
OLD-DOMINION FLYN 7278	USA 72750340						
OLD-DOMINION FLYN 7291	USA 72750353						
OLD-DOMINION FLYN 7301	USA 73985770						
OLD-DOMINION FLYN 7302	USA 73985771			C			
OLD-DOMINION FLYN 7329	USA 73985798						
OLD-DOMINION FLYN 7349	USA 73985818						
OLD-DOMINION FLYN 7354	USA 73985823						
OLD-DOMINION FLYN 7355	USA 73985824						
OLD-DOMINION FLYN 7357	USA 73985826						
OLD-DOMINION FLYN 7366-ET	USA 73985835						
OLD-DOMINION FLYN 7370	USA 73985839						
OLD-DOMINION FLYN 7376-ET	USA 73985845						
OLD-DOMINION FLYN 7388	USA 73985857						
OLD-DOMINION FLYN 7393	USA 73985862						
OLD-DOMINION FLYN 7394	USA 73985863						
OLD-DOMINION FLYN 7404	USA 73985873						
OLD-DOMINION FLYN 7405	USA 73985874			C			
OLD-DOMINION FLYN 7406	USA 73985875						

**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
OLD-DOMINION FLYN 7407	USA 73985876						
OLD-DOMINION FLYN 7410	USA 73985879						
OLD-DOMINION FLYN 7415	USA 73985884						
OLD-DOMINION FLYN 7416	USA 73985885						
OLD-DOMINION FLYN 7423	USA 73985892						
OLD-DOMINION FLYN 7445	USA 73985914						
OLD-DOMINION FLYN 7453	USA 73985922						
OLD-DOMINION FLYN 7458	USA 73985927						
OLD-DOMINION FLYN 7459	USA 73985928						
OLD-DOMINION FLYN 7462	USA 73985931						
OLD-DOMINION FLYN 7476	USA 73985945						
OLD-DOMINION FLYN 7486	USA 73985955						
OLD-DOMINION FLYN 7488	USA 73985957						
OLD-DOMINION FLYN 7489	USA 73985958						
OLD-DOMINION FLYN 7496	USA 73985965						
OLD-DOMINION FLYN 7500	USA 73985969						
OLD-DOMINION FLYN 7504	USA 73985973						
OLD-DOMINION FLYN 7536	USA 73986005						
OLD-DOMINION FLYN 7540	USA 73986009						
OLD-DOMINION FLYN 7553	USA 73986022						
OLD-DOMINION FLYN 7555	USA 73986024						
OLD-DOMINION FLYN 7558	USA 73986027						
OLD-DOMINION FLYN 7569	USA 73986038						
OLD-DOMINION FLYN 7570	USA 73986039						
OLD-DOMINION FLYN 7578	USA 73986047						
OLD-DOMINION FLYN 7584	USA 73986053						
OLD-DOMINION FLYN 7588	USA 73986057						
OLD-DOMINION FLYN 7593	USA 73986062						
OLD-DOMINION FLYN 7602	840003128995483						
OLD-DOMINION FLYN 7625	840003128995506						
OLD-DOMINION FLYN 7637	840003128995518						
OLD-DOMINION FLYN 7644	840003128995525						
OLD-DOMINION FLYN 7710	840003128995591						
OLD-DOMINION FLYN 7792-ET	840003128995673						
OLD-DOMINION FLYN 7821	840003128995702						
OLD-DOMINION FLYN 7826	840003128995707						
OLD-DOMINION FRANK 5936	USA 70717711						
OLD-DOMINION FRANK 6003	USA 70717778						
OLD-DOMINION FRANK 6036	USA 70717811						
OLD-DOMINION FRANK 6067	USA 70717842						
OLD-DOMINION FRANK 6088	USA 70717863						
OLD-DOMINION FRANK 6119	USA 70717894						
OLD-DOMINION FRANK 6165	USA 70717940						
OLD-DOMINION FRANZ 5952-ET	USA 70717727	C					
OLD-DOMINION FRANZ 6085-ET	USA 70717860	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
OLD-DOMINION FRANZ 6094-ET	USA 70717869						
OLD-DOMINION FRANZ 6097-ET	USA 70717872	C					
OLD-DOMINION FRANZ 6229	USA 71837756						
OLD-DOMINION FRANZ 6243	USA 71837770	C					
OLD-DOMINION FRANZ 6303	USA 71837830						
OLD-DOMINION FRANZ 6305	USA 71837832						
OLD-DOMINION FRANZ 6336	USA 71837863	C					
OLD-DOMINION FRANZ 6349	USA 71837876						
OLD-DOMINION FRED 5207 6126	USA 70717901						
OLD-DOMINION FRED 5207 6137	USA 70717912						
OLD-DOMINION FRED 5207 6148	USA 70717923						
OLD-DOMINION FRED 5207 6166	USA 70717941						
OLD-DOMINION FRED 5207 6195	USA 70717970						
OLD-DOMINION FRED 5207 6208	USA 71837735						
OLD-DOMINION FRED 5207 6315	USA 71837842						
OLD-DOMINION FRED 5207 6356	USA 71837883						
OLD-DOMINION FRED 5207 6368	USA 71837895						
OLD-DOMINION FRED 5207 6383	USA 71837910						
OLD-DOMINION FRED 5207 6398	USA 71837925						
OLD-DOMINION FRED 5207 6440	USA 71837967						
OLD-DOMINION FRED 5207 6481	USA 71838008						
OLD-DOMINION FRED 5207 6503	USA 72178923						
OLD-DOMINION FRED 5845 6886	USA 72749948						
OLD-DOMINION FREDDIE 5743	USA 70163264						
OLD-DOMINION FREDDIE 5748	USA 70163269						
OLD-DOMINION FREDDIE 5869	USA 70163390						
OLD-DOMINION FREDDIE 5934	USA 70717709						
OLD-DOMINION FREDDIE 5956	USA 70717731						
OLD-DOMINION FREDDIE 5964	USA 70717739						
OLD-DOMINION FREDDIE 5973	USA 70717748						
OLD-DOMINION FREDDIE 5995	USA 70717770						
OLD-DOMINION FREDDIE 6001	USA 70717776						
OLD-DOMINION FREDDIE 6023	USA 70717798						
OLD-DOMINION FREDDIE 6024	USA 70717799						
OLD-DOMINION FREDDIE 6025	USA 70717800						
OLD-DOMINION FREDDIE 6029	USA 70717804	C					
OLD-DOMINION FREDDIE 6040	USA 70717815						
OLD-DOMINION FREDDIE 6051	USA 70717826						
OLD-DOMINION FREDDIE 6065	USA 70717840						
OLD-DOMINION FREDDIE 6073	USA 70717848						
OLD-DOMINION FREDDIE 6091	USA 70717866						
OLD-DOMINION FREDDIE 6093	USA 70717868						
OLD-DOMINION FREDDIE 6128	USA 70717903						
OLD-DOMINION FREDDIE 6135	USA 70717910						
OLD-DOMINION FREDDIE 6179	USA 70717954						

**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
OLD-DOMINION FREDDIE 6180	USA 70717955						
OLD-DOMINION FREDDIE 6231	USA 71837758						
OLD-DOMINION FREDDIE 6234	USA 71837761						
OLD-DOMINION FREDDIE 6236	USA 71837763						
OLD-DOMINION FREDDIE 6264	USA 71837791						
OLD-DOMINION FREDDIE 6267	USA 71837794						
OLD-DOMINION FREDDIE 6338	USA 71837865						
OLD-DOMINION FREDDIE 6392	USA 71837919						
OLD-DOMINION FREDDIE 6411	USA 71837938						
OLD-DOMINION FREDDIE 6433	USA 71837960						
OLD-DOMINION FREDDIE 6452	USA 71837979						
OLD-DOMINION FREDDIE 6461	USA 71837988						
OLD-DOMINION FREDDIE 6469	USA 71837996						
OLD-DOMINION FREDDIE 6485	USA 71838012						
OLD-DOMINION FREDDIE 6498	USA 71838025						
OLD-DOMINION FREDDIE 6549	USA 72178969						
OLD-DOMINION FREDDIE 6625	USA 72179045						
OLD-DOMINION FREDDIE 6704	USA 72179124						
OLD-DOMINION FROST 7219	USA 72750281						
OLD-DOMINION FROST 7231	USA 72750293						
OLD-DOMINION FROST 7271	USA 72750333						
OLD-DOMINION FROST 7280	USA 72750342						
OLD-DOMINION FROST 7323	USA 73985792						
OLD-DOMINION FROST 7332	USA 73985801						
OLD-DOMINION FROST 7414	USA 73985883						
OLD-DOMINION GALAXY 6751	USA 72179171						
OLD-DOMINION GALAXY 6803	USA 72749865						
OLD-DOMINION GALAXY 6829	USA 72749891						
OLD-DOMINION GALAXY 6879	USA 72749941						
OLD-DOMINION GALAXY 6890	USA 72749952			C			
OLD-DOMINION GALAXY 6895	USA 72749957						
OLD-DOMINION GALAXY 6906	USA 72749968						
OLD-DOMINION GALAXY 6937	USA 72749999						
OLD-DOMINION GALAXY 6944	USA 72750006						
OLD-DOMINION GALAXY 6963	USA 72750025						
OLD-DOMINION GALAXY 6964	USA 72750026						
OLD-DOMINION GALAXY 6968	USA 72750030			C			
OLD-DOMINION GALAXY 6978	USA 72750040						
OLD-DOMINION GALAXY 7008	USA 72750070						
OLD-DOMINION GALAXY 7076	USA 72750138						
OLD-DOMINION GALAXY 7079	USA 72750141						
OLD-DOMINION GALAXY 7118	USA 72750180						
OLD-DOMINION GALAXY 7156	USA 72750218						
OLD-DOMINION GALAXY 7168	USA 72750230						
OLD-DOMINION GALAXY 7169	USA 72750231						

**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
OLD-DOMINION GALAXY 7179	USA 72750241						
OLD-DOMINION GALAXY 7296	USA 72750358						
OLD-DOMINION GALAXY 7383	USA 73985852						
OLD-DOMINION GALAXY 7392	USA 73985861						
OLD-DOMINION GALAXY 7428	USA 73985897						
OLD-DOMINION GALAXY 7469	USA 73985938						
OLD-DOMINION GALAXY 7485	USA 73985954						
OLD-DOMINION GALAXY 7745-ET	840003128995626						
OLD-DOMINION GALLOW 6251	USA 71837778						
OLD-DOMINION GALLOW 6295	USA 71837822			C			
OLD-DOMINION GALLOW 6308	USA 71837835						
OLD-DOMINION GALLOW 6309	USA 71837836			C			
OLD-DOMINION GALLOW 6325	USA 71837852						
OLD-DOMINION GALLOW 6331	USA 71837858						
OLD-DOMINION GALLOW 6335	USA 71837862						
OLD-DOMINION GALLOW 6370	USA 71837897						
OLD-DOMINION GALLOW 6374	USA 71837901						
OLD-DOMINION GALLOW 6480	USA 71838007						
OLD-DOMINION GALLOW 6501	USA 72178921						
OLD-DOMINION GALLOW 6511	USA 72178931						
OLD-DOMINION GALLOW 6523	USA 72178943			C			
OLD-DOMINION GALLOW 6530	USA 72178950			C			
OLD-DOMINION GALLOW 6545	USA 72178965			C			
OLD-DOMINION GALOWY 7799-ET	840003128995680						
OLD-DOMINION GALOWY 7883-ET	840003128995764						
OLD-DOMINION GERVAS 5940-ET	USA 70717715						
OLD-DOMINION GMSTNE 7896	840003128995777	C					
OLD-DOMINION GMSTNE 7913	840003128995794						
OLD-DOMINION GMSTNE 7925	840003128995806						
OLD-DOMINION GRCTON 7863-ET	840003128995744						
OLD-DOMINION HILL 5793	USA 70163314						
OLD-DOMINION HILL 5810	USA 70163331						
OLD-DOMINION HILL 5847	USA 70163368						
OLD-DOMINION HILL 5873	USA 70163394						
OLD-DOMINION HILL 5953	USA 70717728						
OLD-DOMINION HILL 5954	USA 70717729						
OLD-DOMINION HILL 5960	USA 70717735						
OLD-DOMINION HILL 5979	USA 70717754						
OLD-DOMINION HILL 6038	USA 70717813						
OLD-DOMINION HILL 6044	USA 70717819						
OLD-DOMINION HILL 6050	USA 70717825						
OLD-DOMINION HILL 6154	USA 70717929						
OLD-DOMINION HILL 6197	USA 70717972						
OLD-DOMINION HILL 6252-TW	USA 71837779			C			
OLD-DOMINION HILL 6253-TW	USA 71837780						

**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
OLD-DOMINION HILL 6282	USA 71837809						
OLD-DOMINION HILL 6286	USA 71837813						
OLD-DOMINION HILL 6339	USA 71837866						
OLD-DOMINION HILL 6397	USA 71837924						
OLD-DOMINION HILL 6409	USA 71837936						
OLD-DOMINION HILL 6416	USA 71837943						
OLD-DOMINION ICEMAN 5763	USA 70163284						
OLD-DOMINION ICEMAN 5777	USA 70163298						
OLD-DOMINION INDY 6917	USA 72749979						
OLD-DOMINION INDY 6931	USA 72749993						
OLD-DOMINION INDY 6947	USA 72750009						
OLD-DOMINION INDY 6958	USA 72750020						
OLD-DOMINION INDY 7014	USA 72750076						
OLD-DOMINION INDY 7028	USA 72750090						
OLD-DOMINION INDY 7036	USA 72750098						
OLD-DOMINION INDY 7038	USA 72750100						
OLD-DOMINION INDY 7102	USA 72750164						
OLD-DOMINION INDY 7119	USA 72750181			C			
OLD-DOMINION INDY 7122	USA 72750184						
OLD-DOMINION INDY 7126	USA 72750188						
OLD-DOMINION INDY 7135	USA 72750197						
OLD-DOMINION INDY 7153	USA 72750215						
OLD-DOMINION INDY 7173	USA 72750235						
OLD-DOMINION INDY 7224	USA 72750286						
OLD-DOMINION INDY 7225	USA 72750287						
OLD-DOMINION INDY 7307	USA 73985776						
OLD-DOMINION INDY 7321	USA 73985790	C					
OLD-DOMINION INDY 7339	USA 73985808						
OLD-DOMINION INDY 7363	USA 73985832						
OLD-DOMINION INDY 7397	USA 73985866						
OLD-DOMINION INDY 7421	USA 73985890						
OLD-DOMINION INDY 7460	USA 73985929						
OLD-DOMINION INDY 7464	USA 73985933						
OLD-DOMINION INDY 7494	USA 73985963			C			
OLD-DOMINION INDY 7548	USA 73986017						
OLD-DOMINION JACEY 7128	USA 72750190						
OLD-DOMINION JACEY 7133	USA 72750195						
OLD-DOMINION JACEY 7165	USA 72750227						
OLD-DOMINION JACEY 7167	USA 72750229						
OLD-DOMINION JACEY 7185	USA 72750247						
OLD-DOMINION JACEY 7247	USA 72750309						
OLD-DOMINION JACEY 7250	USA 72750312						
OLD-DOMINION JACEY 7255	USA 72750317						
OLD-DOMINION JACEY 7257	USA 72750319						
OLD-DOMINION JACEY 7282	USA 72750344						

**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
OLD-DOMINION JACEY 7283	USA 72750345						
OLD-DOMINION JACEY 7306	USA 73985775						
OLD-DOMINION JACEY 7311	USA 73985780						
OLD-DOMINION JACEY 7314	USA 73985783						
OLD-DOMINION JACEY 7317	USA 73985786						
OLD-DOMINION JACEY 7325	USA 73985794						
OLD-DOMINION JACEY 7353	USA 73985822						
OLD-DOMINION JACEY 7371	USA 73985840						
OLD-DOMINION JACEY 7374	USA 73985843						
OLD-DOMINION JACEY 7386	USA 73985855						
OLD-DOMINION JACEY 7396	USA 73985865						
OLD-DOMINION JACEY 7411	USA 73985880						
OLD-DOMINION JACEY 7439	USA 73985908						
OLD-DOMINION JACEY 7599	USA 73986068						
OLD-DOMINION JACEY 7608	840003128995489						
OLD-DOMINION JACEY 7650	840003128995531						
OLD-DOMINION JACEY 7670	840003128995551						
OLD-DOMINION JACEY 7681	840003128995562						
OLD-DOMINION JACEY 7682	840003128995563						
OLD-DOMINION JACEY 7712	840003128995593						
OLD-DOMINION JACEY 7740	840003128995621						
OLD-DOMINION JACEY 7763	840003128995644						
OLD-DOMINION JACEY 7784	840003128995665						
OLD-DOMINION JACEY 7825	840003128995706						
OLD-DOMINION JACEY 7889	840003128995770						
OLD-DOMINION JACOB 6626	USA 72179046						
OLD-DOMINION JACOB 6627	USA 72179047						
OLD-DOMINION JACOB 6644	USA 72179064						
OLD-DOMINION JACOB 6693	USA 72179113						
OLD-DOMINION JACOB 6697	USA 72179117						
OLD-DOMINION JACOB 6946	USA 72750008						
OLD-DOMINION JACOB 7025	USA 72750087						
OLD-DOMINION JACOB 7046	USA 72750108						
OLD-DOMINION JACOB 7053	USA 72750115						
OLD-DOMINION JACOB 7070	USA 72750132						
OLD-DOMINION JACOB 7096	USA 72750158						
OLD-DOMINION JAKE 6728	USA 72179148						
OLD-DOMINION JAKE 6729	USA 72179149						
OLD-DOMINION JAKE 6738	USA 72179158						
OLD-DOMINION JAKE 6739	USA 72179159						
OLD-DOMINION JAKE 6788	USA 72179208						
OLD-DOMINION JAKE 6839	USA 72749901						
OLD-DOMINION JAKE 6855	USA 72749917				C		
OLD-DOMINION JAKE 6903	USA 72749965						
OLD-DOMINION JAKE 6909	USA 72749971				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
OLD-DOMINION JAKE 6966	USA 72750028						
OLD-DOMINION JAKE 6971	USA 72750033						
OLD-DOMINION JAKE 6976	USA 72750038						
OLD-DOMINION JAKE 7050	USA 72750112						
OLD-DOMINION JAKE 7052	USA 72750114						
OLD-DOMINION JAKE 7084	USA 72750146						
OLD-DOMINION JAKE 7139	USA 72750201						
OLD-DOMINION JAKE 7150	USA 72750212						
OLD-DOMINION JAKE 7160	USA 72750222						
OLD-DOMINION JAKE 7166	USA 72750228						
OLD-DOMINION JAKE 7194	USA 72750256						
OLD-DOMINION JAKE 7213	USA 72750275						
OLD-DOMINION JAKE 7220	USA 72750282						
OLD-DOMINION JAKE 7236	USA 72750298						
OLD-DOMINION JAKE 7248	USA 72750310						
OLD-DOMINION JAKE 7298	USA 72750360						
OLD-DOMINION JAKE 7461	USA 73985930						
OLD-DOMINION JOCK 5776	USA 70163297						
OLD-DOMINION JOCK 5828	USA 70163349			C			
OLD-DOMINION JOCK 5896	USA 70163417			C			
OLD-DOMINION JOCK 5903	USA 70717678						
OLD-DOMINION JOCK 5905	USA 70717680						
OLD-DOMINION JOCK 5906	USA 70717681						
OLD-DOMINION JOCK 5907	USA 70717682						
OLD-DOMINION JOCK 5924	USA 70717699			C			1
OLD-DOMINION JOCK 5926	USA 70717701						
OLD-DOMINION JOCK 5942	USA 70717717			C			
OLD-DOMINION JOCK 5950	USA 70717725			C			
OLD-DOMINION JOCK 5961	USA 70717736						
OLD-DOMINION JOCK 5978	USA 70717753						
OLD-DOMINION JOCK 6015	USA 70717790			C			
OLD-DOMINION JOCK 6026	USA 70717801						
OLD-DOMINION JOCK 6075	USA 70717850			C			
OLD-DOMINION JOCK 6081	USA 70717856			C			
OLD-DOMINION JOCK 6098	USA 70717873						
OLD-DOMINION JOCK 6164	USA 70717939						
OLD-DOMINION JOCK 6169	USA 70717944						
OLD-DOMINION JOCK 6170	USA 70717945			C			
OLD-DOMINION JOCK 6176	USA 70717951						
OLD-DOMINION JOCK 6193	USA 70717968			C			
OLD-DOMINION JOCK 6237	USA 71837764						
OLD-DOMINION JOCK 6238	USA 71837765			C			
OLD-DOMINION JOCK 6240	USA 71837767			C			
OLD-DOMINION JOCK 6256	USA 71837783			C			
OLD-DOMINION JOCK 6289	USA 71837816			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
OLD-DOMINION JOCK 6299	USA 71837826			C			
OLD-DOMINION JOCK 6307	USA 71837834						
OLD-DOMINION JOCK 6322	USA 71837849						
OLD-DOMINION JOCK 6323	USA 71837850			C			
OLD-DOMINION JOCK 6334	USA 71837861						
OLD-DOMINION JYDN-6930 7871	840003128995752						
OLD-DOMINION JYDN-6930 7901	840003128995782						
OLD-DOMINION JYDN-6930 7966	840003128995847						
OLD-DOMINION KARSTEN 5668	USA 70163189						
OLD-DOMINION KARSTEN 5702	USA 70163223	C					
OLD-DOMINION KARSTEN 5735	USA 70163256						
OLD-DOMINION KARSTEN 5917	USA 70717692						
OLD-DOMINION KARSTEN 6103	USA 70717878						
OLD-DOMINION KEYBOARD 7140	USA 72750202						
OLD-DOMINION KEYBOARD 7184	USA 72750246						1
OLD-DOMINION KEYBOARD 7196	USA 72750258						1
OLD-DOMINION KRIST 6699-ET	USA 72179119						
OLD-DOMINION KRIST 6711-ET	USA 72179131						
OLD-DOMINION KRIST 6713-ET	USA 72179133						
OLD-DOMINION KRIST 6720-ET	USA 72179140						
OLD-DOMINION KRISTOFF 6464	USA 71837991						
OLD-DOMINION KRISTOFF 6651	USA 72179071						
OLD-DOMINION KRISTOFF 6668	USA 72179088						
OLD-DOMINION KRISTOFF 6684	USA 72179104						
OLD-DOMINION KRISTOFF 6722	USA 72179142						
OLD-DOMINION KRISTOFF 6777	USA 72179197						
OLD-DOMINION KRISTOFF 6787	USA 72179207						
OLD-DOMINION KRISTOFF 6790	USA 72179210						
OLD-DOMINION KRISTOFF 6794	USA 72179214						
OLD-DOMINION KRISTOFF 6798	USA 72179218						
OLD-DOMINION KRISTOFF 6810	USA 72749872						
OLD-DOMINION KRISTOFF 6813	USA 72749875						
OLD-DOMINION KRISTOFF 6821	USA 72749883						
OLD-DOMINION KRISTOFF 6840	USA 72749902						
OLD-DOMINION KRISTOFF 6851	USA 72749913						
OLD-DOMINION KRISTOFF 6853	USA 72749915						
OLD-DOMINION KRISTOFF 6877	USA 72749939						
OLD-DOMINION KRISTOFF 6883	USA 72749945						
OLD-DOMINION KRISTOFF 6894	USA 72749956						
OLD-DOMINION KRISTOFF 6905	USA 72749967						
OLD-DOMINION KRISTOFF 6908	USA 72749970						
OLD-DOMINION KRISTOFF 6957	USA 72750019						
OLD-DOMINION KRISTOFF 6969	USA 72750031						
OLD-DOMINION KRISTOFF 6972	USA 72750034						
OLD-DOMINION KRISTOFF 6979	USA 72750041						

**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
OLD-DOMINION KRISTOFF 6999	USA 72750061						
OLD-DOMINION KRISTOFF 7058	USA 72750120						
OLD-DOMINION KRISTOFF 7083	USA 72750145						
OLD-DOMINION KRISTOFF 7087	USA 72750149						
OLD-DOMINION KRISTOFF 7107	USA 72750169						
OLD-DOMINION KRISTOFF 7132	USA 72750194						
OLD-DOMINION LAWMAN 7631-ET	840003128995512						
OLD-DOMINION LAWMAN 7662-ET	840003128995543						
OLD-DOMINION LAWMAN 7669-ET	840003128995550						
OLD-DOMINION LAWMAN 7769	840003128995650						
OLD-DOMINION LAWMAN 7770	840003128995651						
OLD-DOMINION LAWMAN 7786	840003128995667						
OLD-DOMINION LAWMAN 7798	840003128995679						
OLD-DOMINION LAWMAN 7819	840003128995700						
OLD-DOMINION LAWMAN 7894	840003128995775						
OLD-DOMINION LAZARITH 5697	USA 70163218						
OLD-DOMINION LAZARITH 5708	USA 70163229						
OLD-DOMINION LAZARITH 5720	USA 70163241						
OLD-DOMINION LAZARITH 5760	USA 70163281						
OLD-DOMINION LAZARITH 5764	USA 70163285						
OLD-DOMINION LAZARITH 5770	USA 70163291			C			
OLD-DOMINION LAZARITH 5781	USA 70163302						
OLD-DOMINION LAZARITH 5783	USA 70163304						
OLD-DOMINION LAZARITH 5796	USA 70163317						
OLD-DOMINION LAZARITH 5829	USA 70163350						
OLD-DOMINION LAZARITH 5846	USA 70163367						
OLD-DOMINION LAZARITH 5855	USA 70163376						
OLD-DOMINION LAZARITH 5879	USA 70163400						
OLD-DOMINION LAZARITH 5882	USA 70163403						
OLD-DOMINION LAZARITH 5922	USA 70717697						
OLD-DOMINION LAZARITH 5933	USA 70717708						
OLD-DOMINION LAZARITH 5949	USA 70717724						
OLD-DOMINION LDWIN 6333-ET	USA 71837860						
OLD-DOMINION LDWIN 6340-ET	USA 71837867						
OLD-DOMINION LDWIN 6352-ET	USA 71837879						
OLD-DOMINION LEADED 7774	840003128995655						
OLD-DOMINION LEADED 7837	840003128995718						
OLD-DOMINION LEADED 7866	840003128995747						
OLD-DOMINION LEADED 7934	840003128995815						
OLD-DOMINION LEADED 7971	840003128995852						
OLD-DOMINION LEBRON 6450	USA 71837977						
OLD-DOMINION LEBRON 6585	USA 72179005					C	
OLD-DOMINION LEBRON 6609	USA 72179029					C	
OLD-DOMINION LEBRON 6613	USA 72179033						
OLD-DOMINION LEWIS 5938-ET	USA 70717713						

**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
OLD-DOMINION LEWIS 5945-ET	USA 70717720						
OLD-DOMINION LEWIS 5957-ET	USA 70717732						
OLD-DOMINION LEWIS 6247	USA 71837774						
OLD-DOMINION LEWIS 6274	USA 71837801						
OLD-DOMINION LEWIS 6278	USA 71837805						
OLD-DOMINION LEWIS 6291	USA 71837818						
OLD-DOMINION LEWIS 6301	USA 71837828						
OLD-DOMINION LEWIS 6316	USA 71837843						
OLD-DOMINION LEWIS 6318	USA 71837845						
OLD-DOMINION LEWIS 6332	USA 71837859						
OLD-DOMINION LEWIS 6359	USA 71837886						
OLD-DOMINION LEWIS 6406	USA 71837933						
OLD-DOMINION LEWIS 6456	USA 71837983						
OLD-DOMINION LEWIS 6466	USA 71837993						
OLD-DOMINION LEWIS 6528	USA 72178948						
OLD-DOMINION LEWIS 6538	USA 72178958						
OLD-DOMINION LIESL 5707	USA 70163228						
OLD-DOMINION LIESL 5713	USA 70163234						
OLD-DOMINION LIESL 5730	USA 70163251						
OLD-DOMINION LIESL 5749	USA 70163270						
OLD-DOMINION LIESL 5841	USA 70163362						1
OLD-DOMINION LIESL 5886-ET	USA 70163407						
OLD-DOMINION LIESL 5900-ET	USA 70163421						
OLD-DOMINION LIQ 6145 7191	USA 72750253						
OLD-DOMINION LIQUOR 6144-ET	USA 70717919						
OLD-DOMINION LIQUOR 6150-ET	USA 70717925						
OLD-DOMINION LIQUOR 6207	USA 71837734						
OLD-DOMINION LIQUOR 6254-TW	USA 71837781						
OLD-DOMINION LIQUOR 6255-TW	USA 71837782						
OLD-DOMINION LIQUOR 6330	USA 71837857						
OLD-DOMINION LIQUOR 6369	USA 71837896						
OLD-DOMINION LIQUOR 6415	USA 71837942						
OLD-DOMINION LOMBARDI 7465	USA 73985934						
OLD-DOMINION LOMBARDI 7493	USA 73985962						
OLD-DOMINION LOMBARDI 7513	USA 73985982						
OLD-DOMINION LOMBARDI 7526	USA 73985995						
OLD-DOMINION LOMBARDI 7532	USA 73986001						
OLD-DOMINION LOMBARDI 7533	USA 73986002						
OLD-DOMINION LOMBARDI 7537	USA 73986006						
OLD-DOMINION LOMBARDI 7546	USA 73986015						
OLD-DOMINION LOMBARDI 7552	USA 73986021						
OLD-DOMINION LOMBARDI 7562	USA 73986031						
OLD-DOMINION LOMBARDI 7563	USA 73986032						
OLD-DOMINION LOMBARDI 7586	USA 73986055						
OLD-DOMINION LOMBARDI 7623	840003128995504						

**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
OLD-DOMINION LOMBARDI 7646	840003128995527						
OLD-DOMINION LOMBARDI 7657	840003128995538						
OLD-DOMINION LOMBARDI 7671	840003128995552						
OLD-DOMINION LOMBARDI 7678	840003128995559						
OLD-DOMINION LOMBARDI 7687	840003128995568						
OLD-DOMINION LOMBARDI 7706	840003128995587						
OLD-DOMINION LOMBARDI 7709	840003128995590						
OLD-DOMINION LOMBARDI 7719	840003128995600						
OLD-DOMINION LOMBARDI 7755	840003128995636			C			
OLD-DOMINION LOMBARDI 7762	840003128995643						
OLD-DOMINION LOMBARDI 7764	840003128995645						
OLD-DOMINION LOMBARDI 7765	840003128995646						
OLD-DOMINION LOYAL 6885-ET	USA 72749947						
OLD-DOMINION LOYAL 6933	USA 72749995						
OLD-DOMINION MAGNAT 7841-TW	840003128995722						
OLD-DOMINION MAGNAT 7929-TW	840003128995810						
OLD-DOMINION MAGNATE 7749	840003128995630						
OLD-DOMINION MAGNATE 7759	840003128995640						
OLD-DOMINION MAGNATE 7767	840003128995648						
OLD-DOMINION MAGNATE 7785	840003128995666						
OLD-DOMINION MAGNATE 7787	840003128995668						
OLD-DOMINION MAGNATE 7802	840003128995683						
OLD-DOMINION MAGNATE 7809	840003128995690						
OLD-DOMINION MAGNATE 7812	840003128995693						
OLD-DOMINION MAGNATE 7820	840003128995701						
OLD-DOMINION MAGNATE 7833	840003128995714						
OLD-DOMINION MAGNATE 7838	840003128995719						
OLD-DOMINION MAGNATE 7840	840003128995721						
OLD-DOMINION MAGNATE 7842	840003128995723						
OLD-DOMINION MAGNATE 7848	840003128995729						
OLD-DOMINION MAGNATE 7857	840003128995738						
OLD-DOMINION MAGNATE 7880	840003128995761						
OLD-DOMINION MAGNATE 7882	840003128995763						
OLD-DOMINION MAGNATE 7935	840003128995816						
OLD-DOMINION MAGNATE 7945	840003128995826						
OLD-DOMINION MAGNATE 7957	840003128995838						
OLD-DOMINION MANDRA 6762-ET	USA 72179182						
OLD-DOMINION MARCELON 6435	USA 71837962						
OLD-DOMINION MARCELON 6446	USA 71837973						
OLD-DOMINION MARCELON 6510	USA 72178930						
OLD-DOMINION MARCELON 6535	USA 72178955						
OLD-DOMINION MARCELON 6544	USA 72178964	C					
OLD-DOMINION MARCELON 6553	USA 72178973						
OLD-DOMINION MARCELON 6554	USA 72178974						
OLD-DOMINION MARCELON 6566	USA 72178986			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
OLD-DOMINION MARCELON 6597	USA 72179017						
OLD-DOMINION MARCELON 6614	USA 72179034						
OLD-DOMINION MARCELON 6799	USA 72179219						
OLD-DOMINION MARCELON 6811	USA 72749873						
OLD-DOMINION MARCELON 6838	USA 72749900						
OLD-DOMINION MARCELON 6852	USA 72749914						
OLD-DOMINION MARCELON 6928	USA 72749990						
OLD-DOMINION MARCELON 6982	USA 72750044						
OLD-DOMINION MARCELON 7011	USA 72750073						
OLD-DOMINION MARCELON 7034	USA 72750096						
OLD-DOMINION MARCELON 7045	USA 72750107						
OLD-DOMINION MARCELON 7063	USA 72750125			C			
OLD-DOMINION MARCLN 7158-TW	USA 72750220						
OLD-DOMINION MARCLN 7159-TW	USA 72750221						
OLD-DOMINION MASSEY 5173-ET	USA 68690153						
OLD-DOMINION MASSEY 5182-ET	USA 68690162						
OLD-DOMINION MASSEY 7253	USA 72750315						
OLD-DOMINION MAST 5986-ET	USA 70717761						
OLD-DOMINION MAST 5992-ET	USA 70717767						
OLD-DOMINION MAST 5997-ET	USA 70717772						
OLD-DOMINION MASTER 5991-ET	USA 70717766						
OLD-DOMINION MDESTO 6801-ET	USA 72749863						
OLD-DOMINION MDESTO 6809-ET	USA 72749871						
OLD-DOMINION MDESTO 6824-ET	USA 72749886						
OLD-DOMINION MDESTO 6827-ET	USA 72749889						
OLD-DOMINION MEL 6279-ET	USA 71837806						
OLD-DOMINION MEL 6280-ET	USA 71837807						
OLD-DOMINION MEL 6306-ET	USA 71837833					C	
OLD-DOMINION MEL 6364-ET	USA 71837891					C	
OLD-DOMINION MEL 6367-ET	USA 71837894						
OLD-DOMINION MENDOZA 6960	USA 72750022			C			
OLD-DOMINION MENDOZA 6974	USA 72750036						
OLD-DOMINION MENDOZA 7019	USA 72750081						
OLD-DOMINION MENDOZA 7040	USA 72750102						
OLD-DOMINION MENDOZA 7074	USA 72750136						
OLD-DOMINION MENDOZA 7104	USA 72750166						
OLD-DOMINION MGNATE 7829-ET	840003128995710						
OLD-DOMINION MGNATE 7878-ET	840003128995759						
OLD-DOMINION MILLION 5902	USA 70717677		C				
OLD-DOMINION MNDORA 6812-ET	USA 72749874						
OLD-DOMINION MOSAIC 5939-ET	USA 70717714						
OLD-DOMINION MOSAIC 6053-ET	USA 70717828						
OLD-DOMINION MOSAIC 6080-ET	USA 70717855						
OLD-DOMINION MOSAIC 6092-ET	USA 70717867						
OLD-DOMINION O-STYLE 5963	USA 70717738			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
OLD-DOMINION O-STYLE 5966	USA 70717741						
OLD-DOMINION O-STYLE 5967	USA 70717742			C			
OLD-DOMINION O-STYLE 5974	USA 70717749			C			
OLD-DOMINION O-STYLE 5976	USA 70717751						
OLD-DOMINION O-STYLE 5980	USA 70717755			C			
OLD-DOMINION O-STYLE 5999	USA 70717774			C			
OLD-DOMINION O-STYLE 6005	USA 70717780						
OLD-DOMINION O-STYLE 6018	USA 70717793			C			
OLD-DOMINION O-STYLE 6035	USA 70717810						
OLD-DOMINION O-STYLE 6060	USA 70717835						
OLD-DOMINION O-STYLE 6077	USA 70717852			C			
OLD-DOMINION O-STYLE 6083	USA 70717858						
OLD-DOMINION O-STYLE 6089	USA 70717864			C			
OLD-DOMINION O-STYLE 6099	USA 70717874						
OLD-DOMINION O-STYLE 6112	USA 70717887			C			
OLD-DOMINION O-STYLE 6123	USA 70717898			C			
OLD-DOMINION O-STYLE 6127	USA 70717902			C			
OLD-DOMINION O-STYLE 6129	USA 70717904			C			
OLD-DOMINION O-STYLE 6132	USA 70717907						
OLD-DOMINION O-STYLE 6153	USA 70717928						
OLD-DOMINION O-STYLE 6167	USA 70717942			C			
OLD-DOMINION O-STYLE 6173	USA 70717948			C			
OLD-DOMINION O-STYLE 6194	USA 70717969			C			
OLD-DOMINION O-STYLE 6271	USA 71837798						
OLD-DOMINION O-STYLE 6343	USA 71837870			C			
OLD-DOMINION O-STYLE 6432	USA 71837959						
OLD-DOMINION O-STYLE 6454	USA 71837981						
OLD-DOMINION O-STYLE 6462	USA 71837989			C			
OLD-DOMINION O-STYLE 6513	USA 72178933						
OLD-DOMINION O-STYLE 6518	USA 72178938						
OLD-DOMINION O-STYLE 6589	USA 72179009			C			
OLD-DOMINION O-STYLE 6616	USA 72179036						
OLD-DOMINION O-STYLE 6664	USA 72179084			C			
OLD-DOMINION O-STYLE 6741	USA 72179161			C			
OLD-DOMINION O-STYLE 6746	USA 72179166			C			
OLD-DOMINION O-STYLE 6773	USA 72179193			C			
OLD-DOMINION O-STYLE 6792	USA 72179212						
OLD-DOMINION O-STYLE 6795	USA 72179215			C			
OLD-DOMINION O-STYLE 6815	USA 72749877						
OLD-DOMINION O-STYLE 6878	USA 72749940						
OLD-DOMINION O-STYLE 7051	USA 72750113			C			
OLD-DOMINION O-STYLE 7110	USA 72750172						
OLD-DOMINION PARK 5723 6679	USA 72179099						
OLD-DOMINION PARK5723 6756	USA 72179176	C					
OLD-DOMINION PARKER 5710	USA 70163231						

**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
OLD-DOMINION PARKER 5717	USA 70163238						
OLD-DOMINION PARKER 5728	USA 70163249						
OLD-DOMINION PARKER 5759	USA 70163280						
OLD-DOMINION PARKER 5850	USA 70163371						
OLD-DOMINION PARKER 5872	USA 70163393						
OLD-DOMINION PARKER 5887	USA 70163408						
OLD-DOMINION PARKER 5894	USA 70163415						
OLD-DOMINION PARKER 5915	USA 70717690						
OLD-DOMINION PARKER 5984	USA 70717759						
OLD-DOMINION PARKER 6030	USA 70717805	C					
OLD-DOMINION PARKER 6049	USA 70717824						
OLD-DOMINION PARKER 6068	USA 70717843	C					
OLD-DOMINION PARKER 6158	USA 70717933						
OLD-DOMINION PEMBROKE 5711	USA 70163232			C			
OLD-DOMINION PEMBROKE 5718	USA 70163239			C			
OLD-DOMINION PEMBROKE 5731	USA 70163252						
OLD-DOMINION PEMBROKE 5734	USA 70163255			C			
OLD-DOMINION PEMBROKE 5736	USA 70163257			C			
OLD-DOMINION PEMBROKE 5807	USA 70163328			C			
OLD-DOMINION PEMBROKE 5814	USA 70163335						
OLD-DOMINION PEMBROKE 5827	USA 70163348			C			
OLD-DOMINION PEMBROKE 5830	USA 70163351						
OLD-DOMINION PEMBROKE 5854	USA 70163375						
OLD-DOMINION PEMBROKE 5857	USA 70163378			C			
OLD-DOMINION PEMBROKE 5881	USA 70163402						
OLD-DOMINION PERRY 6266	USA 71837793						
OLD-DOMINION PERRY 6296	USA 71837823						
OLD-DOMINION PERRY 6412	USA 71837939						
OLD-DOMINION PERRY 6424-ET	USA 71837951						
OLD-DOMINION PERRY 6426	USA 71837953						
OLD-DOMINION PERRY 6430-ET	USA 71837957						
OLD-DOMINION PERRY 6434-ET	USA 71837961						
OLD-DOMINION PERRY 6495-ET	USA 71838022						
OLD-DOMINION PERRY 6508	USA 72178928						
OLD-DOMINION PERRY 6517	USA 72178937						
OLD-DOMINION PERRY 6537-ET	USA 72178957						
OLD-DOMINION PERRY 6548	USA 72178968						
OLD-DOMINION PERRY 6563-ET	USA 72178983						
OLD-DOMINION PERRY 6568-ET	USA 72178988						
OLD-DOMINION PERRY 6571	USA 72178991						
OLD-DOMINION PERRY 6580	USA 72179000						
OLD-DOMINION PERRY 6648	USA 72179068						
OLD-DOMINION PERRY 6652	USA 72179072						
OLD-DOMINION PERRY 6661	USA 72179081						
OLD-DOMINION PERRY 6712-ET	USA 72179132						

**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
OLD-DOMINION PERRY 6716-ET	USA 72179136						
OLD-DOMINION PERRY 6721	USA 72179141						
OLD-DOMINION PROP 5129 6105	USA 70717880						
OLD-DOMINION PROPER 5746	USA 70163267						
OLD-DOMINION PROPER 5784	USA 70163305						
OLD-DOMINION PROPER 5864	USA 70163385						
OLD-DOMINION PROPER 5868	USA 70163389						
OLD-DOMINION PROPER 5875	USA 70163396						
OLD-DOMINION PROPER 5880	USA 70163401						
OLD-DOMINION PROPER 5909	USA 70717684						
OLD-DOMINION PROPER 6106	USA 70717881						
OLD-DOMINION PROPER 6121	USA 70717896						
OLD-DOMINION PUZZLE 6636-ET	USA 72179056						
OLD-DOMINION PUZZLE 6914	USA 72749976						
OLD-DOMINION PUZZLE 6916-ET	USA 72749978						
OLD-DOMINION PUZZLE 6921-ET	USA 72749983						
OLD-DOMINION PUZZLE 6924	USA 72749986						
OLD-DOMINION PUZZLE 6926	USA 72749988						
OLD-DOMINION PUZZLE 6943	USA 72750005						
OLD-DOMINION PUZZLE 6967	USA 72750029						
OLD-DOMINION PUZZLE 6981-ET	USA 72750043						
OLD-DOMINION PUZZLE 6985	USA 72750047						
OLD-DOMINION PUZZLE 6986-ET	USA 72750048						
OLD-DOMINION PUZZLE 6987-ET	USA 72750049						
OLD-DOMINION PUZZLE 6991	USA 72750053						
OLD-DOMINION PUZZLE 6992-ET	USA 72750054						
OLD-DOMINION PUZZLE 7016-ET	USA 72750078			C			
OLD-DOMINION PUZZLE 7048	USA 72750110						
OLD-DOMINION PUZZLE 7066	USA 72750128						
OLD-DOMINION PUZZLE 7089	USA 72750151						
OLD-DOMINION PUZZLE 7113-ET	USA 72750175						
OLD-DOMINION PUZZLE 7115	USA 72750177						
OLD-DOMINION PUZZLE 7121	USA 72750183						
OLD-DOMINION PUZZLE 7189	USA 72750251						
OLD-DOMINION PUZZLE 7195	USA 72750257						
OLD-DOMINION PUZZLE 7209	USA 72750271						
OLD-DOMINION PUZZLE 7245	USA 72750307						
OLD-DOMINION PUZZLE 7259	USA 72750321						
OLD-DOMINION PUZZLE 7265	USA 72750327						
OLD-DOMINION PUZZLE 7362	USA 73985831						
OLD-DOMINION PUZZLE 7369	USA 73985838						
OLD-DOMINION PUZZLE 7377	USA 73985846						
OLD-DOMINION PUZZLE 7378	USA 73985847						
OLD-DOMINION PUZZLE 7520	USA 73985989						
OLD-DOMINION PUZZLE 7521	USA 73985990						

**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
OLD-DOMINION PUZZLE 7551	USA 73986020						
OLD-DOMINION PUZZLE 7561	USA 73986030						
OLD-DOMINION PUZZLE 7739-ET	840003128995620						
OLD-DOMINION RAINIER 6980	USA 72750042						
OLD-DOMINION RAINIER 6994	USA 72750056						
OLD-DOMINION RAINIER 6995	USA 72750057						
OLD-DOMINION RAINIER 7010	USA 72750072	C					
OLD-DOMINION RAINIER 7013	USA 72750075						
OLD-DOMINION RAINIER 7044	USA 72750106						
OLD-DOMINION RAINIER 7049	USA 72750111			C			
OLD-DOMINION RAINIER 7071	USA 72750133						
OLD-DOMINION RAINIER 7095	USA 72750157						
OLD-DOMINION RAINIER 7108	USA 72750170						
OLD-DOMINION RAINIER 7123	USA 72750185						
OLD-DOMINION RAINIER 7146	USA 72750208						
OLD-DOMINION RAINIER 7193	USA 72750255						
OLD-DOMINION RAINIER 7207	USA 72750269						
OLD-DOMINION SAJAC 6673	USA 72179093						
OLD-DOMINION SAJAC 6733	USA 72179153						
OLD-DOMINION SAJAC 6757	USA 72179177						
OLD-DOMINION SAJAC 6771	USA 72179191						
OLD-DOMINION SAJAC 6780	USA 72179200						1
OLD-DOMINION SAJAC 6783	USA 72179203						
OLD-DOMINION SAJAC 6863	USA 72749925						
OLD-DOMINION SAJAC 6870	USA 72749932						
OLD-DOMINION SAJAC 6873	USA 72749935						
OLD-DOMINION SAJAC 6898	USA 72749960						
OLD-DOMINION SAJAC 6901	USA 72749963						
OLD-DOMINION SAJAC 6912	USA 72749974						
OLD-DOMINION SASON 6196	USA 70717971						
OLD-DOMINION SASON 6213	USA 71837740						
OLD-DOMINION SASON 6228	USA 71837755						
OLD-DOMINION SASON 6233	USA 71837760						
OLD-DOMINION SASON 6265	USA 71837792						
OLD-DOMINION SASON 6284	USA 71837811						
OLD-DOMINION SASON 6294	USA 71837821						
OLD-DOMINION SASON 6314	USA 71837841						
OLD-DOMINION SASON 6327	USA 71837854						
OLD-DOMINION SASON 6341	USA 71837868						
OLD-DOMINION SASON 6351	USA 71837878						
OLD-DOMINION SASON 6355	USA 71837882						
OLD-DOMINION SASON 6389	USA 71837916						
OLD-DOMINION SASON 6400	USA 71837927						
OLD-DOMINION SASON 6404	USA 71837931						
OLD-DOMINION SASON 6407	USA 71837934						

**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
OLD-DOMINION SASON 6413	USA 71837940						
OLD-DOMINION SASON 6419	USA 71837946						
OLD-DOMINION SASON 6444	USA 71837971						
OLD-DOMINION SASON 6447	USA 71837974						
OLD-DOMINION SASON 6460	USA 71837987						
OLD-DOMINION SASON 6467	USA 71837994						
OLD-DOMINION SASON 6472	USA 71837999						
OLD-DOMINION SASON 6484	USA 71838011						
OLD-DOMINION SASON 6486	USA 71838013						
OLD-DOMINION SASON 6515	USA 72178935						
OLD-DOMINION SASON 6551	USA 72178971						
OLD-DOMINION SASON 6576	USA 72178996						
OLD-DOMINION SASON 6596	USA 72179016						
OLD-DOMINION SASON 6615	USA 72179035						
OLD-DOMINION SASON 6617	USA 72179037						
OLD-DOMINION SASON 6653	USA 72179073						
OLD-DOMINION SASON 6663	USA 72179083		C				
OLD-DOMINION SASON 6689	USA 72179109						
OLD-DOMINION SASON 6702	USA 72179122						
OLD-DOMINION SASON 6706	USA 72179126						
OLD-DOMINION SASON 6714	USA 72179134						
OLD-DOMINION SEBASTIAN 5696	USA 70163217						
OLD-DOMINION SEBASTIAN 5712	USA 70163233						
OLD-DOMINION SEBASTIAN 5742	USA 70163263						
OLD-DOMINION SEBASTIAN 5798	USA 70163319						
OLD-DOMINION SEBASTIAN 5853	USA 70163374						
OLD-DOMINION SEBASTIAN 5865	USA 70163386						
OLD-DOMINION SHAMPOO 5700	USA 70163221						
OLD-DOMINION SHAMPOO 5709	USA 70163230						
OLD-DOMINION SHAMPOO 5714	USA 70163235						
OLD-DOMINION SHAMPOO 5719	USA 70163240						3
OLD-DOMINION SHAMPOO 5732	USA 70163253						
OLD-DOMINION SHAMPOO 5737	USA 70163258						
OLD-DOMINION SHAMPOO 6072	USA 70717847						
OLD-DOMINION SHAMR 6087-ET	USA 70717862						
OLD-DOMINION SOLSTICE 6557	USA 72178977						
OLD-DOMINION STOIC 7286-ET	USA 72750348						
OLD-DOMINION STOIC 7309-ET	USA 73985778						
OLD-DOMINION STOIC 7326-ET	USA 73985795						
OLD-DOMINION STOIC 7390-ET	USA 73985859						
OLD-DOMINION STOIC 7422	USA 73985891						
OLD-DOMINION STOIC 7559-ET	USA 73986028						
OLD-DOMINION STOIC 7560-ET	USA 73986029						
OLD-DOMINION STOIC 7583-ET	USA 73986052						
OLD-DOMINION STOIC 7607-ET	840003128995488						

**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
OLD-DOMINION STOIC 7614	840003128995495						
OLD-DOMINION STOIC 7744	840003128995625	C					
OLD-DOMINION SUDAN 6676-ET	USA 72179096						
OLD-DOMINION SUPER 5704	USA 70163225						
OLD-DOMINION SUPER 5722	USA 70163243						
OLD-DOMINION SUPER 5724	USA 70163245						
OLD-DOMINION SUPER 5738	USA 70163259						
OLD-DOMINION SUPER 5741	USA 70163262						
OLD-DOMINION SUPER 5747	USA 70163268						
OLD-DOMINION SUPER 5756	USA 70163277						
OLD-DOMINION SUPER 5772	USA 70163293	C					
OLD-DOMINION SUPER 5792	USA 70163313						
OLD-DOMINION SUPER 5801	USA 70163322						
OLD-DOMINION SUPER 5802	USA 70163323			C			
OLD-DOMINION SUPER 5842	USA 70163363						
OLD-DOMINION SUPER 5874	USA 70163395						
OLD-DOMINION SUPER 5889	USA 70163410						
OLD-DOMINION SUPER 5930	USA 70717705						
OLD-DOMINION SUPER 5941	USA 70717716						
OLD-DOMINION SUPER 5959	USA 70717734						
OLD-DOMINION SUPER 6006	USA 70717781						
OLD-DOMINION SUPER 6013	USA 70717788						
OLD-DOMINION SUPER 6021	USA 70717796						
OLD-DOMINION SUPER 6027	USA 70717802						
OLD-DOMINION SUPER 6033	USA 70717808						
OLD-DOMINION SUPER 6043	USA 70717818						
OLD-DOMINION SUPER 6058	USA 70717833						
OLD-DOMINION SUPER 6070	USA 70717845						
OLD-DOMINION SUPER 6131	USA 70717906						
OLD-DOMINION SUPER 6138	USA 70717913						
OLD-DOMINION SUPER 6157	USA 70717932						
OLD-DOMINION SUPER 6177	USA 70717952						
OLD-DOMINION SUPER 6324	USA 71837851						
OLD-DOMINION SUPER 6348	USA 71837875						
OLD-DOMINION SUPER 6394	USA 71837921						
OLD-DOMINION SUPER 6507	USA 72178927						
OLD-DOMINION SUPER 6521	USA 72178941						
OLD-DOMINION SUPER 6524	USA 72178944						
OLD-DOMINION SUPER 6564	USA 72178984						
OLD-DOMINION SUPER 6598	USA 72179018						
OLD-DOMINION SUPER 6599	USA 72179019						
OLD-DOMINION SUPER 6674	USA 72179094						
OLD-DOMINION SUPER 6680	USA 72179100						
OLD-DOMINION SUPER 6709-TW	USA 72179129						
OLD-DOMINION SUPER 6710-TW	USA 72179130						

**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
OLD-DOMINION SYRACS 7604-ET	840003128995485						
OLD-DOMINION SYRACUSE 7514	USA 73985983						
OLD-DOMINION SYRACUSE 7582	USA 73986051						
OLD-DOMINION SYRACUSE 7679	840003128995560						
OLD-DOMINION SYRACUSE 7685	840003128995566						
OLD-DOMINION SYRACUSE 7724	840003128995605						
OLD-DOMINION SYRACUSE 7758	840003128995639						
OLD-DOMINION TALAN 7251	USA 72750313						
OLD-DOMINION TALAN 7292	USA 72750354						
OLD-DOMINION TALAN 7327	USA 73985796						
OLD-DOMINION TAMPA 7781	840003128995662						
OLD-DOMINION TAMPA 7822	840003128995703						
OLD-DOMINION TAMPA 7855	840003128995736						
OLD-DOMINION TAMPA 7868	840003128995749						
OLD-DOMINION TAMPA 7891	840003128995772						
OLD-DOMINION TAMPA 7893	840003128995774						
OLD-DOMINION TAMPA 7897	840003128995778						
OLD-DOMINION TAMPA 7898	840003128995779						
OLD-DOMINION TAMPA 7899	840003128995780						
OLD-DOMINION TAMPA 7923	840003128995804						
OLD-DOMINION TAMPA 7939	840003128995820						
OLD-DOMINION TAMPA 7940	840003128995821						
OLD-DOMINION TAMPA 7941	840003128995822						
OLD-DOMINION TAMPA 7942	840003128995823						
OLD-DOMINION TAMPA 7946	840003128995827						
OLD-DOMINION TAMPA 7959	840003128995840						
OLD-DOMINION TANGO 6826-ET	USA 72749888						
OLD-DOMINION TANGO 6857-ET	USA 72749919						
OLD-DOMINION TANGO 6858-ET	USA 72749920		C				
OLD-DOMINION TANGO 6869-ET	USA 72749931		C				
OLD-DOMINION TANGO 6875-ET	USA 72749937						
OLD-DOMINION TANGO 6936-ET	USA 72749998		C				
OLD-DOMINION TANGO 6939-ET	USA 72750001						
OLD-DOMINION TANGO 7030-ET	USA 72750092		C				
OLD-DOMINION TANGO 7032-ET	USA 72750094						
OLD-DOMINION TANGO 7035-ET	USA 72750097						
OLD-DOMINION TANGO 7091-ET	USA 72750153		C				
OLD-DOMINION TANGO 7120-ET	USA 72750182						
OLD-DOMINION TANGO 7124-ET	USA 72750186						
OLD-DOMINION TANGO 7142	USA 72750204		C				
OLD-DOMINION TANGO 7149	USA 72750211						
OLD-DOMINION TANGO 7151-ET	USA 72750213						
OLD-DOMINION TANGO 7152-ET	USA 72750214		C				
OLD-DOMINION TANGO 7157-ET	USA 72750219		C				
OLD-DOMINION TANGO 7233	USA 72750295						

**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
OLD-DOMINION TANGO 7244	USA 72750306		C	C			
OLD-DOMINION TANGO 7262	USA 72750324		C				
OLD-DOMINION TANGO 7284-ET	USA 72750346		C				
OLD-DOMINION TANGO 7300-ET	USA 72750362		C				
OLD-DOMINION TANGO 7328	USA 73985797						
OLD-DOMINION TANGO 7340	USA 73985809						
OLD-DOMINION TANGO 7431	USA 73985900		C				
OLD-DOMINION TANGO 7444	USA 73985913		C				
OLD-DOMINION TANGO 7491-ET	USA 73985960						
OLD-DOMINION TANGO 7502	USA 73985971		C				
OLD-DOMINION TAURINO 7451	USA 73985920						
OLD-DOMINION TAURINO 7544	USA 73986013						
OLD-DOMINION TAURINO 7664	840003128995545						
OLD-DOMINION TAURINO 7696	840003128995577						
OLD-DOMINION TAURINO 7818	840003128995699						
OLD-DOMINION TAURINO 7827	840003128995708						
OLD-DOMINION TAURINO 7844	840003128995725						
OLD-DOMINION TAURINO 7847	840003128995728			C			
OLD-DOMINION TAURINO 7905	840003128995786						
OLD-DOMINION TAURINO 7924	840003128995805						
OLD-DOMINION TAURINO 7963	840003128995844						
OLD-DOMINION TEAGAN 6182	USA 70717957						
OLD-DOMINION TEAGAN 6216	USA 71837743						
OLD-DOMINION TORNADO 5765	USA 70163286						
OLD-DOMINION TORNADO 5778	USA 70163299						
OLD-DOMINION TORNADO 5804	USA 70163325						
OLD-DOMINION TORNADO 5852	USA 70163373						
OLD-DOMINION TORNADO 5877	USA 70163398						
OLD-DOMINION TORNADO 5890	USA 70163411						
OLD-DOMINION TORNADO 5919	USA 70717694						
OLD-DOMINION TORNADO 5929	USA 70717704						
OLD-DOMINION TORNADO 5983	USA 70717758						
OLD-DOMINION TORNADO 5996	USA 70717771						
OLD-DOMINION TORNADO 5998	USA 70717773						
OLD-DOMINION TORNADO 6032	USA 70717807						
OLD-DOMINION TORNADO 6039	USA 70717814						
OLD-DOMINION TORNADO 6045	USA 70717820						
OLD-DOMINION TORNADO 6046	USA 70717821						
OLD-DOMINION TORNADO 6130	USA 70717905						
OLD-DOMINION TORNADO 6136	USA 70717911						
OLD-DOMINION TROY 7516-ET	USA 73985985						
OLD-DOMINION TROY 7519-ET	USA 73985988						
OLD-DOMINION TROY 7610	840003128995491						
OLD-DOMINION TROY 7656	840003128995537						
OLD-DOMINION TROY 7675	840003128995556						

**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
OLD-DOMINION TROY 7677	840003128995558						
OLD-DOMINION TROY 7694	840003128995575						
OLD-DOMINION TROY 7727	840003128995608						
OLD-DOMINION TROY 7738	840003128995619						
OLD-DOMINION TROY 7750	840003128995631						
OLD-DOMINION TROY 7772	840003128995653					C	
OLD-DOMINION TROY 7777	840003128995658						
OLD-DOMINION TROY 7779	840003128995660						
OLD-DOMINION TROY 7797	840003128995678						
OLD-DOMINION TROY 7808	840003128995689						
OLD-DOMINION TROY 7839	840003128995720						
OLD-DOMINION TROY 7875	840003128995756						
OLD-DOMINION TROY 7932	840003128995813						
OLD-DOMINION TROY 7950	840003128995831			C			
OLD-DOMINION TSCBIA 7272-TW	USA 72750334						
OLD-DOMINION TSCBIA 7273-TW	USA 72750335						
OLD-DOMINION TUFFENUFF 7629	840003128995510						
OLD-DOMINION TUFFENUFF 7636	840003128995517						
OLD-DOMINION TUFFENUFF 7752	840003128995633						
OLD-DOMINION TUFFENUFF 7761	840003128995642						
OLD-DOMINION TUFFENUFF 7776	840003128995657						
OLD-DOMINION TUFFENUFF 7854	840003128995735						
OLD-DOMINION TUFFENUFF 7900	840003128995781						
OLD-DOMINION TUFFENUFF 7906	840003128995787						
OLD-DOMINION TUFNUF 7688-ET	840003128995569						
OLD-DOMINION TUFNUF 7692-ET	840003128995573						
OLD-DOMINION TUFNUF 7699-ET	840003128995580						
OLD-DOMINION TUFNUF 7796-ET	840003128995677						
OLD-DOMINION TUSCOBIA 7268	USA 72750330						
OLD-DOMINION TUSCOBIA 7320	USA 73985789						
OLD-DOMINION TUSCOBIA 7346	USA 73985815						
OLD-DOMINION TUSCOBIA 7419	USA 73985888						
OLD-DOMINION TUSCOBIA 7424	USA 73985893						
OLD-DOMINION TUSCOBIA 7550	USA 73986019						
OLD-DOMINION TUSCOBIA 7566	USA 73986035						
OLD-DOMINION TUSCOBIA 7573	USA 73986042						
OLD-DOMINION TUSCOBIA 7576	USA 73986045						
OLD-DOMINION TUSCOBIA 7611	840003128995492						
OLD-DOMINION TWINK 7717-ET	840003128995598						
OLD-DOMINION TWINKI 7449-ET	USA 73985918						
OLD-DOMINION TWINKIE 7606	840003128995487						
OLD-DOMINION UNIQUE 7474	USA 73985943						
OLD-DOMINION UNIQUE 7512	USA 73985981						
OLD-DOMINION UNIQUE 7652	840003128995533			C			
OLD-DOMINION WILTON 5965	USA 70717740						

**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
OLD-DOMINION WILTON 5977	USA 70717752						
OLD-DOMINION WILTON 5987	USA 70717762						
OLD-DOMINION WILTON 5989	USA 70717764						
OLD-DOMINION WILTON 6014	USA 70717789						
OLD-DOMINION WILTON 6020	USA 70717795						
OLD-DOMINION WILTON 6096	USA 70717871						
OLD-DOMINION WILTON 6109	USA 70717884						
OLD-DOMINION WILTON 6111	USA 70717886						
OLD-DOMINION WILTON 6113	USA 70717888						
OLD-DOMINION WILTON 6116	USA 70717891						
OLD-DOMINION WILTON 6202	USA 71837729						
OLD-DOMINION WILTON 6241-TW	USA 71837768						
OLD-DOMINION WILTON 6242-TW	USA 71837769						
OLD-DOMINION WILTON 6287	USA 71837814						
OLD-DOMINION WILTON 6302	USA 71837829						
OLD-DOMINION WILTON 6321	USA 71837848						
OLD-DOMINION WILTON 6329	USA 71837856						
OLD-DOMINION WILTON 6342	USA 71837869						
OLD-DOMINION WILTON 6354	USA 71837881						
OLD-DOMINION WILTON 6363	USA 71837890						
OLD-DOMINION WILTON 6421	USA 71837948						
OLD-DOMINION WOLFG 6735-ET	USA 72179155						
OLD-DOMINION WOLFG 6748-ET	USA 72179168						
OLD-DOMINION WOLFGANG 6618	USA 72179038						
OLD-DOMINION WOLFGANG 6624	USA 72179044						3
OLD-DOMINION WOLFGANG 6633	USA 72179053						
OLD-DOMINION WOLFGANG 6637	USA 72179057						
OLD-DOMINION WOLFGANG 6642	USA 72179062						
OLD-DOMINION YALE 6833-ET	USA 72749895						
OLD-DOMINION YANO 5985	USA 70717760						
OLD-DOMINION YANO 6010	USA 70717785						
OLD-DOMINION YANO 6011	USA 70717786						
OLD-DOMINION YANO 6022	USA 70717797						
OLD-DOMINION YANO 6057	USA 70717832						
OLD-DOMINION YANO 6102	USA 70717877						
OLD-DOMINION YANO 6142	USA 70717917						
OLD-DOMINION YANO 6149	USA 70717924						
OLD-DOMINION YANO 6159	USA 70717934						
OLD-DOMINION YANO 6168	USA 70717943						
OLD-DOMINION YANO 6178	USA 70717953						
OLD-DOMINION YANO 6181	USA 70717956						
OLD-DOMINION YANO 6199-ET	USA 70717974						
OLD-DOMINION YANO 6205-ET	USA 71837732						
OLD-DOMINION YANO 6227	USA 71837754						
OLD-DOMINION YANO 6232	USA 71837759						

**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
OLD-DOMINION YANO 6261	USA 71837788						
OLD-DOMINION YANO 6262	USA 71837789						
OLD-DOMINION YANO 6273	USA 71837800						
OLD-DOMINION YANO 6298	USA 71837825						
OLD-DOMINION YANO 6300-ET	USA 71837827						
OLD-DOMINION YANO 6328	USA 71837855						
OLD-DOMINION YANO 6346	USA 71837873						
OLD-DOMINION YANO 6377	USA 71837904						
OLD-DOMINION YANO 6395	USA 71837922						
OLD-DOMINION YANO 6410	USA 71837937						
OLD-DOMINION YANO 6512	USA 72178932						
OLD-DOMINION YANO 6547	USA 72178967						
OLD-DOMINION YANO 6559	USA 72178979						
OLD-DOMINION YANO 6570	USA 72178990	C		C			
OLD-DOMINION YANO 6584	USA 72179004						
OLD-DOMINION YANO 6595	USA 72179015						
OLD-DOMINION YANO 6645	USA 72179065						
OLD-DOMINION YANO 6660	USA 72179080						
OLD-DOMINION YANO 6677	USA 72179097						
OLD-DOMINION YANO 6705	USA 72179125						
OLD-DOMINION YANO 6727	USA 72179147						
OLD-DOMINION YANO 6800	USA 72179220						
OLD-DOMINION YANO 6825	USA 72749887						
OLD-DOMINION YANO 6832	USA 72749894						
OLD-DOMINION YANO 6876	USA 72749938						
OLD-DOMINION YANO 6892	USA 72749954						
OLD-DOMINION YANO 6925	USA 72749987						
OLD-DOMINION YANO 6940	USA 72750002						
OLD-DOMINION YATES 7239-ET	USA 72750301						
OLD-DOMINION YATES 7322-ET	USA 73985791						
OLD-DOMINION YATES 7342-ET	USA 73985811						
OLD-DOMINION YATES 7348-ET	USA 73985817						
OLD-DOMINION YATES 7351-ET	USA 73985820						
OLD-DOMINION YATES 7824-ET	840003128995705						
OLD-DOMINION YESSEE 7707	840003128995588						
OLD-DOMINION YESSEE 7720	840003128995601						
OLD-DOMINION YESSEE 7721	840003128995602						
OLD-DOMINION YESSEE 7723	840003128995604						
OLD-DOMINION YESSEE 7725	840003128995606						
OLD-DOMINION YESSEE 7766	840003128995647						
OLD-DOMINION YESSEE 7800	840003128995681						
OLD-DOMINION YOVANI 7021-ET	USA 72750083						
OLD-DOMINION YOVANI 7022-ET	USA 72750084						
OLD-DOMINION YOVANI 7024-ET	USA 72750086						
OLD-DOMINION YOVANI 7026-ET	USA 72750088						

**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
OLD-DOMINION YOVANI 7127	USA 72750189						
OLD-DOMINION YOVANI 7129	USA 72750191						
OLD-DOMINION YOVANI 7211	USA 72750273						
OLD-DOMINION YOVANI 7269	USA 72750331						
OLD-DOMINION YOVANI 7274	USA 72750336						
OLD-DOMINION YOVANI 7337	USA 73985806						
OLD-DOMINION YOVANI 7359	USA 73985828						
OLD-DOMINION YOVANI 7368	USA 73985837						
OLD-DOMINION YOVANI 7448	USA 73985917						
OLD-DOMINION YOVANI 7511	USA 73985980						
OLD-DOMINION YOVANI 7568	USA 73986037						
OLD-DOMINION YOVANI 7600	USA 73986069						
OLD-DOMINION YOWZA 7093-ET	USA 72750155						
OLD-DOMINION YOWZA 7775-ET	840003128995656						
OLD-DOMINION YOWZA 7869	840003128995750						
OLD-DOMINION YOWZA 7960	840003128995841						
OLD-DOMINION YUENG 6002-ET	USA 70717777						
OLD-DOMINION YUENG6017 7057	USA 72750119						
OLD-DOMINION YUENG6017 7112	USA 72750174						
OLD-DOMINION YUENG6017 7136	USA 72750198						
OLD-DOMINION YUENGLING 6117	USA 70717892						
OLD-DOMINION YUENGLING 6186	USA 70717961						
OLD-LINE MEL LYNN-ET	USA 15262769			C			
OLD-LYDDANE CHAMPION SHERI	USA 139634565						
OLD-LYDDANE ERASER HAILY-ET	USA 143376114						1
OLD-LYDDANE ERASER HAPPY-ET	USA 143376105						
OLD-LYDDANE GOLDWYN JOY-ET	USA 138036560						
OLD-LYDDANE MOONBOY HALEY	USA 72231603			C			
OLD-LYDDANE WB JOYFUL-ET	USA 73134174						1
OLD-OLEY MTOTO TABITHA	USA 135084117						1
OLD-PIKE ALRIGHT LIANNA-ET	USA 143260185						
OLD-PIKE AMBROSE PETAL	USA 142048843						
OLD-PIKE ANDERS LITA-ET	USA 142665884						
OLD-PIKE ANDERS LOUANN-ET	USA 142472826						
OLD-PIKE ANDERSON LILAC-ET	USA 142326974						
OLD-PIKE AR LATISHA-ET	USA 143260176						
OLD-PIKE ARMAN MATINA	USA 143391663						
OLD-PIKE ARMAN MELODY	USA 143287793						
OLD-PIKE ATTICA-ET	USA 143195584					C	
OLD-PIKE BEL MARLA-ET	USA 143058405						
OLD-PIKE BELUGA TIARA-ET	USA 143400453			C			
OLD-PIKE BRONCO BRETТА	USA 143049995						
OLD-PIKE CARTER PORTINA	USA 143481843						
OLD-PIKE CHIP ELDORA	USA 142198025						
OLD-PIKE CROWN DIANA	USA 142682492					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
OLD-PIKE CROWN TISHA	USA 142861226						1
OLD-PIKE DAD STAR	USA 142513301						
OLD-PIKE DAK BRENDA	USA 143138325						
OLD-PIKE DEMPSEY POTATOE	USA 142251328						1
OLD-PIKE DIAMOND GEORGINA	USA 143463029						
OLD-PIKE DONATE ADELIA-ET	USA 143138343						
OLD-PIKE DONATE ANABELLE-ET	USA 142932515						1
OLD-PIKE DONATE ANNIKA-ET	USA 143138334					C	
OLD-PIKE EPIC DESIRE	USA 142022834						
OLD-PIKE FREDDIE MONA	USA 143138398						
OLD-PIKE GOLD ELITA	USA 142513299						
OLD-PIKE GUTHRIE FERN	USA 142048852						
OLD-PIKE HAR MONICA	USA 143259776						1
OLD-PIKE HEADLINE GRETTA	USA 143058393			C			
OLD-PIKE HERO ALLENA-TW	USA 141927770					C	
OLD-PIKE HERO ALVINA-TW	USA 141928614						1
OLD-PIKE JEEVES DOREEN-TW	USA 141928593						
OLD-PIKE JEEVES DORINDA-TW	USA 141928605						
OLD-PIKE JO RAMONA	USA 143481825						
OLD-PIKE LADD DARLENE	USA 143287926						
OLD-PIKE LADD DYLEEN	USA 143287935						1
OLD-PIKE LARA MOUSE-ET	USA 142326965						
OLD-PIKE LAY DELILAH-ET	USA 142287464						
OLD-PIKE LIFT JAKTANA	USA 143391681					C	
OLD-PIKE LOCKIN GLENDA	USA 143463010						
OLD-PIKE MACK LUCY-ET	USA 143138352						
OLD-PIKE MACK LULU-ET	USA 143138370						
OLD-PIKE MAYFLOW GINGER	USA 143259767						
OLD-PIKE MCCORMICK DARLA-ET	USA 142191176						
OLD-PIKE MCCORMICK DENA-ET	USA 142191185						
OLD-PIKE MOGUL ALICIA	USA 142665905						
OLD-PIKE MOGUL DIANTHUS	USA 142665754					C	
OLD-PIKE MOGUL DORRIE	USA 142665745						
OLD-PIKE MOGUL ELLENA	USA 142287482						
OLD-PIKE MOGUL ZACKIE	USA 142665763					C	
OLD-PIKE MONTROSS LIANNA-ET	USA 143260149						
OLD-PIKE NOMI DEADRA	USA 143287775						
OLD-PIKE O-MAN GINA	USA 142932524			C			
OLD-PIKE OB ANGELINE	USA 142327005					C	1
OLD-PIKE OLEGANT PEARL	USA 142287491						
OLD-PIKE OLY AKITA-ET	USA 143195566					C	
OLD-PIKE OLY ALTIMA-ET	USA 143195593						
OLD-PIKE OLY ANITA-ET	USA 143195548					C	
OLD-PIKE PARA LOLA	USA 142472835						
OLD-PIKE PARA LOTTIE-ET	USA 142287455						

**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
OLD-PIKE PARADISE LEANNE-ET	USA 142251300						
OLD-PIKE PAUL PALOMA-ET	USA 142191121						
OLD-PIKE PAUL TRINKET	USA 143259712						
OLD-PIKE PEOT ALICIA	USA 142326983						
OLD-PIKE PET ADALITA	USA 143481816					C	
OLD-PIKE PET ANASTASIA	USA 143481834						
OLD-PIKE PET ANIKA	USA 143287757						
OLD-PIKE PET GIGI	USA 143391654						
OLD-PIKE PET PANSY	USA 143058384						
OLD-PIKE PLAN ANITA	USA 141927789						
OLD-PIKE PON TALIA-ET	USA 143391672						
OLD-PIKE PON TASHA-ET	USA 143400444						
OLD-PIKE PON TISH-ET	USA 143400435						
OLD-PIKE ROB GENIE	USA 142287512						
OLD-PIKE ROB MELANIE	USA 142864573						
OLD-PIKE ROBUST PEG	USA 142287549						
OLD-PIKE ROD ALLISONYA	USA 143400426						
OLD-PIKE SALAD SPARKS	USA 142665772						
OLD-PIKE SHANDRO ADALENE	USA 142669972					C	
OLD-PIKE SHANDRO EILEEN-ET	USA 142665893					C	
OLD-PIKE SHER PATSY	USA 142932506						
OLD-PIKE SHOT PAULINE	USA 142861196					C	
OLD-PIKE SILVER WANDA-ET	USA 143605867						
OLD-PIKE SILVER WHISPER-ET	USA 143627872						
OLD-PIKE SKY JESS	USA 143287784						
OLD-PIKE SPUR EXCITE	USA 142027521						
OLD-PIKE SURGE JUDY	USA 142932467						
OLD-PIKE SURGE MALINDA	USA 142932485						
OLD-PIKE TRIG MARSHA-ET	USA 142474453						
OLD-PIKE TRIGG ELDORA	USA 142932476						
OLD-PIKE TRIGG MALITA-ET	USA 143204963						
OLD-STAGE SCHZ EXCURSION-ET	USA 69054326						
OLDE-HOMESTEAD ALGRO BLAZE	USA 62893642						
OLDE-HOMESTEAD CS BOUNCY-ET	USA 69386100						
OLDE-HOMESTEAD T JATOYA-ET	USA 63408415						
OLDMT BELLWOOD RENA	USA 17293749						
OLDMT PONTIAC RAVEN	USA 52842450						
OLDMT ROY KATHRYN	USA 52724121						
OLETA-LYNN MORTY MOOLA	USA 52378837	C					
OLMAR ADRIAN BLACK	USA 56554621						
OLMAR AFTERSHOCK GINGER	USA 71544149						
OLMAR AL BABY OF PEARL	USA 71544324		C				
OLMAR ALEXANDER BABE	USA 71544298						
OLMAR ATWOOD BABY ANNE-ET	USA 71544329						
OLMAR ATWOOD BERRIE-ET	USA 71544297						

**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
OLMAR ATWOOD BOISENBERRY-ET	USA 71544284						
OLMAR ATWOOD BREE	USA 56554607						
OLMAR ATWOOD DANCER	USA 71544289						
OLMAR ATWOOD FELICIA	USA 71544235						
OLMAR BARBERRYANNE-ET	840003013713267						
OLMAR BAXTER SENSICAL-ET	USA 56554009						
OLMAR BAXTER SUZY Q-ET	USA 56554012						
OLMAR BELLA CERA PRONTO-ET	USA 66906770						
OLMAR BLITZ LINDA	USA 52788654						
OLMAR BLUEPRINT PP BABETTE	840003128912455						
OLMAR BONO BREEZY	USA 71544251						
OLMAR BONO JULIANNE	USA 71544249						
OLMAR BOUNDARY CINDERELLA	USA 51865375						
OLMAR BRAXTON EVELYN	USA 56554671						
OLMAR BRAXTON PEACHES	USA 56554626						1
OLMAR BROKAW BABY MIMI-ET	USA 71544333						
OLMAR BROKAW BABY MOOMOO-ET	USA 71544334						
OLMAR BRYANT CHRISTEL	840003128912565			C			
OLMAR BUTZE LINDSEY	USA 56554045						
OLMAR CANCUN DAISY	USA 73531024						
OLMAR CANCUN DARILYN	USA 73531019						
OLMAR CANCUN JOLEEN	USA 71544160						
OLMAR CAVIAR BELLADINE	840003128912513						
OLMAR CENA BLOND	USA 56554047						
OLMAR CENA PETAL	USA 71544301		C				
OLMAR CHIPPER PEANUT-RED-TW	USA 71544355						
OLMAR CHIPPER POPCORN-TW	USA 71544354						3
OLMAR CINCO-P SWEETS	USA 71544326						
OLMAR CLARK SILKEE	USA 71544175						
OLMAR CLARK SUNLIGHT	USA 71544283						
OLMAR CODIE BEVERLY P	USA 56554643						1
OLMAR COLT 45 BABESY	USA 71544347						
OLMAR COLT 45 BABY BOTTLE	USA 71544346						
OLMAR COLT 45 P ELLEN	USA 71544343						
OLMAR CROWN TRINITY	USA 56554043			C			
OLMAR DAY SILKESS	USA 71544173					C	
OLMAR DEAN BAMBOO-ET	USA 71544317						
OLMAR DEAN BRIELLA	USA 71544309						
OLMAR DEDUCTIVE BARBS	840003128912510						1
OLMAR DURABLE BARLIE-ET	USA 56554020						3
OLMAR DUSK EDNA	USA 56554634						
OLMAR EARNHART AMEROL	USA 71544295						
OLMAR EARNHART BABETY	USA 71544323						
OLMAR EARNHART HADDIE	USA 71544374						1
OLMAR EARNHART SALESS	USA 71544204						

**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
OLMAR EMERALD FAIRY	USA 71544247	C					
OLMAR EPIC AMORE-ET	USA 71544259						
OLMAR EPIC AMOROUS-ET	USA 71544262						
OLMAR EPIC ANGIE-ET	USA 71544269						
OLMAR EPIC SACAGAWEA-ET	USA 71544203						1
OLMAR EPIC SANDALS-ET	USA 71544201						
OLMAR EPIC SAPPY-ET	USA 71544200						1
OLMAR EPIC SHELLY-ET	USA 71544199						
OLMAR ERASER P BADA BOP-ET	840003128912511						
OLMAR ERASER P BOPPY-ET	840003128912505						
OLMAR FASTBALL BRIDA	840003128912467						1
OLMAR FEDERAL BRIGHT-TW	USA 56554650					C	
OLMAR FEDERAL BRITTANY-TW	USA 56554649						
OLMAR FEVER BABY FACE-ET	USA 56554001						
OLMAR FORK ELIZA	840003128912400						
OLMAR FORK FALALA	USA 71544245					C	
OLMAR FORK FELICITY	840003128912429						
OLMAR FORK LIZA	USA 71544241						
OLMAR FREELANCE ABUNDANT	USA 51865738						
OLMAR GIFIAN BREECHI	840003128912517						
OLMAR GILLESPIY BARBARA	USA 71544322						1
OLMAR GOLD CHIP BELLA DIA	USA 71544307						
OLMAR GOLD CHIP SARAI-ET	USA 71544206						
OLMAR GOLDCHIP SAMANTHA-ET	USA 71544207						
OLMAR GOLDWYN SALTY-ET	USA 56554015						
OLMAR GOLDWYN SANDRA-ET	USA 56554019						
OLMAR GOLDWYN SANDY-ET	USA 56554021						1
OLMAR GUTHRIE BABY LOVE	USA 56554039						
OLMAR GUTHRIE ENVY	USA 71544177						
OLMAR HEFTY DAWN-TW	USA 71544288						
OLMAR HEFTY DAYBREAK-TW	USA 71544287					C	
OLMAR HERO EXCITE	USA 71544174						
OLMAR HERO JAZZIE	USA 71544150						
OLMAR JANUARY BELLA SHINE	USA 56554438						
OLMAR JEEVES DARLING-ET	USA 55603420			C			
OLMAR KOLTON DOTTI	USA 71544274					C	
OLMAR LAUTHORITY BAMBI	USA 71544302					C	
OLMAR LEVI CYNTHIA	USA 71544373			C			
OLMAR LEVI OVERJOYED	USA 71544261						
OLMAR LOU P BRYTE	USA 73531003						
OLMAR LOU P WHISPER-RED	USA 71544353						
OLMAR MAGNA-P DAISY	USA 56554036			C			
OLMAR MCNUGGETS GINSENG	USA 71544159						
OLMAR MCNUGGETS LAURIE	USA 71544243						
OLMAR MITEY BEAUTICIAN-P	USA 56554007						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
OLMAR MITEY CANDY	USA 56554016						1
OLMAR MOGUL SARAH	840003128912412						
OLMAR MOGUL SUGER	840003128912410						
OLMAR MORTY BOSTON-ET	USA 53451609						
OLMAR MORTY FRIENDSHIP	USA 52365919						
OLMAR MUSKETEER EDNA	USA 71544178						
OLMAR NUMERO UNO BABES-ET	USA 71544306						
OLMAR NUMERO UNO BOP BOP-ET	USA 71544316						
OLMAR OFFBEAT SYD	USA 56554644						
OLMAR OLEGANT SNOW BABE	USA 71544304					C	
OLMAR OVERTIME P AMY	USA 73531021						
OLMAR PARKER P LOVELY BABY	USA 71544312						1
OLMAR PENDLETON MIDDY	USA 56554609						
OLMAR PLANET BABY BB-ET	USA 55603421						
OLMAR PLANET BABY CAKES-ET	USA 55603707						
OLMAR PLANET BABY RUTH-ET	USA 55603704						
OLMAR PLANET SALAD	USA 55603735						
OLMAR PLNET BABY BUNTING-ET	USA 55603708						
OLMAR PURE BELIZIA	840003128912507						
OLMAR RAMSES STRAWBERRY-TW	USA 51865108						
OLMAR REDBURST BLING RC	USA 71544271						1
OLMAR ROY BEAUTY-ET	USA 62497157						
OLMAR ROY BELLA CERA-ET	USA 51865524						
OLMAR SACHEL P DARYLINE	USA 71544293			C			
OLMAR SENTRY BINDY	USA 56554611					C	
OLMAR SHAC BELLE	USA 71544303						
OLMAR SHAMPOO SANDRA	USA 56554003						
OLMAR SHAMPOO STARRY EYES	USA 56554026						
OLMAR SHOT SWEET CHEEKS	USA 71544305						
OLMAR SHOTTLE BABE	USA 53707069						
OLMAR SHOTTLE BELLA DARA-ET	USA 55603720						
OLMAR SHOTTLE SNOW DRIFT	USA 52788136					C	
OLMAR SHOUT BELLANY	USA 56554614						
OLMAR SHOUT BIANCA	USA 56554646	C					
OLMAR SHOUT JENNETT	USA 142616910						
OLMAR SILVER AMAZING	840003128912453						
OLMAR SILVER BERRIE	840003128912454						3
OLMAR SOCRATES BAMBINA	840003128912516						
OLMAR SPUR ELERI	840003128912401			C			
OLMAR SUPERSONIC DEARIE	USA 71544264			C			
OLMAR WATCHOUT BARBIE	USA 71544252						
OLMAR WATCHOUT BERNICE	USA 56554037		C				
OLMAR WATCHOUT DANICA	USA 56554010						
OLMAR YODER BOPPI	840003128912526						
OLMAR ZELGADIS ANNIE	USA 71544266						

**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
OLMAR-G&M MANOMAN SALLI-ET	840003128912411						
OLMAR-G&M NUMERO SALLIE-ET	USA 71544208						
OLSON-ARE ABRAM 2028 2451	USA 71579435						
OLSON-ARE ABRAM 2143 2456	USA 71579440						
OLSON-ARE AL 2188 2432	USA 71579416						
OLSON-ARE AL 2311 2433	USA 71579417						
OLSON-ARE AVALON 2346 2475	USA 73249238			C			
OLSON-ARE BACARDI 2370 2504	USA 73249267						
OLSON-ARE BANFF 2237 2413	USA 71579397						
OLSON-ARE BANFF 2285 2414	USA 71579398						
OLSON-ARE BANFF 2292 2409	USA 71579393						
OLSON-ARE BARRY 2097 2441	USA 71579425						
OLSON-ARE BARRY 2185 2442	USA 71579426					C	
OLSON-ARE BARRY 2324 2446	USA 71579430						
OLSON-ARE BECK 2133 2367	USA 69936552						
OLSON-ARE BENATAR 2134 2397	USA 71579381						
OLSON-ARE BOWSER 1995 2291	USA 69936476						
OLSON-ARE BOYOBOY 2206 2408	USA 71579392						
OLSON-ARE BOYOBOY 2230 2406	USA 71579390						
OLSON-ARE BRONCO 1994 2353	USA 69936538			C			
OLSON-ARE BRONCO 2142 2356	USA 69936541			C			
OLSON-ARE BRONCO 2229 2343	USA 69936528						
OLSON-ARE BUENO 2245 2453	USA 71579437						
OLSON-ARE CABRLET 2356 2481	USA 73249244			C			
OLSON-ARE CALIBER 2422 2514	USA 73249277			C			
OLSON-ARE CARUSO 2137 2369	USA 69936554			C			
OLSON-ARE CASCADE 2198 2444	USA 71579428						
OLSON-ARE CASCADE 2200 2449	USA 71579433			C			
OLSON-ARE CASCADE 2320 2439	USA 71579423						
OLSON-ARE CHAZ 2225 2404	USA 71579388						
OLSON-ARE CHAZ 2266 2399	USA 71579383						
OLSON-ARE CHAZ 2275 2398	USA 71579382	C					
OLSON-ARE CIMARON 2361 2487	USA 73249250						
OLSON-ARE CIMARRN 2289 2471	USA 71579455						
OLSON-ARE CLBR 2237 2510-TW	USA 73249273						
OLSON-ARE CLBR 2237 2511-TW	USA 73249274						
OLSON-ARE CM 1951 2385	USA 71579369						
OLSON-ARE COMPLEX 2223 2368	USA 69936553					C	1
OLSON-ARE CUPID 2205 2391	USA 71579375		C				3
OLSON-ARE CUPID 2208 2393	USA 71579377						3
OLSON-ARE CUPID 2269 2394	USA 71579378						3
OLSON-ARE DECREE 2139 2485	USA 73249248				C		
OLSON-ARE DEFAULT 2305 2491	USA 73249254						
OLSON-ARE DOBRMAN 2109 2366	USA 69936551						
OLSON-ARE DONJUAN 2028 2381	USA 71579365	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
OLSON-ARE DONJUAN 2203 2392	USA 71579376						
OLSON-ARE EARNHRT 2113 2436	USA 71579420						
OLSON-ARE EMERALD 2120 2377	USA 71579361	C					
OLSON-ARE EMERALD 2198 2375	USA 71579359						
OLSON-ARE EXACTER 2021 2468	USA 71579452						
OLSON-ARE EXACTER 2110 2455	USA 71579439						
OLSON-ARE EXACTER 2237 2469	USA 71579453					C	
OLSON-ARE EXACTER 2251 2466	USA 71579450					C	
OLSON-ARE EXACTER 2340 2463	USA 71579447						
OLSON-ARE EXCEPTN 1988 2355	USA 69936540						1
OLSON-ARE EXCEPTN 2226 2336	USA 69936521						1
OLSON-ARE FONSY 2226 2459	USA 71579443						
OLSON-ARE FONSY 2300 2476	USA 73249239						
OLSON-ARE FORK 2212 2478	USA 73249241						
OLSON-ARE FORK 2231 2488	USA 73249251						
OLSON-ARE FORK 2264 2477	USA 73249240						
OLSON-ARE FORK 2294 2496	USA 73249259						
OLSON-ARE GALAXY 2396 2506	USA 73249269						
OLSON-ARE GARRETT 2237 2345	USA 69936530						
OLSON-ARE GARRETT 2392 2513	USA 73249276						
OLSON-ARE GARRETT 2408 2512	USA 73249275						
OLSON-ARE GARRETT 2411 2517	USA 73249280						
OLSON-ARE GOLDCHP 2240 2364	USA 69936549						
OLSON-ARE HANS 2073 2428	USA 71579412						
OLSON-ARE HANS 2310 2431	USA 71579415						
OLSON-ARE HAZLNUT 2104 2493	USA 73249256						
OLSON-ARE HAZLNUT 2245 2505	USA 73249268					C	
OLSON-ARE HAZLNUT 2301 2495	USA 73249258					C	
OLSON-ARE HAZLNUT 2329 2501	USA 73249264						
OLSON-ARE HENLEY 2139 2348	USA 69936533				C		
OLSON-ARE HERO 2120 2447	USA 71579431						
OLSON-ARE HERO 2231 2417	USA 71579401						
OLSON-ARE HILL 2119 2380	USA 71579364						
OLSON-ARE IOTA 1974 2361-ET	USA 69936546						
OLSON-ARE IOTA 2140 2332	USA 69936517						
OLSON-ARE JACKMAN 2350 2480	USA 73249243						
OLSON-ARE JADE 2177 2347	USA 69936532						
OLSON-ARE JEEVES 2182 2424	USA 71579408						
OLSON-ARE JOHNSON 2290 2497	USA 73249260			C			
OLSON-ARE JOHNSON 2382 2499	USA 73249262			C			
OLSON-ARE JOROGRS 2406 2515	USA 73249278			C			
OLSON-ARE LANTERN 2105 2376	USA 71579360						
OLSON-ARE LANTRN 2100 2405	USA 71579389						
OLSON-ARE LANTRN 2152 2407	USA 71579391						
OLSON-ARE LATH 2169 2489-TW	USA 73249252						

**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
OLSON-ARE LATH 2169 2490-TW	USA 73249253						
OLSON-ARE LATROY 2195 2382	USA 71579366						
OLSON-ARE LATROY 2212 2419	USA 71579403						
OLSON-ARE LATROY 2265 2416	USA 71579400						
OLSON-ARE LATROY 2270 2412	USA 71579396						
OLSON-ARE LEGEND 2215 2342	USA 69936527						
OLSON-ARE LEGEND 2225 2339	USA 69936524						
OLSON-ARE LEVI 2153 2389	USA 71579373			C			
OLSON-ARE LEVI 2159 2420	USA 71579404						
OLSON-ARE LEVI 2196 2363	USA 69936548			C			
OLSON-ARE LEVI 2262 2386	USA 71579370			C			
OLSON-ARE LEVI 2264 2387	USA 71579371						
OLSON-ARE LEVI 2297 2422	USA 71579406		C	C			
OLSON-ARE LEXOR 2079 2426	USA 71579410						
OLSON-ARE LOREN 2141 2443	USA 71579427						
OLSON-ARE LOREN 2317 2445	USA 71579429					C	
OLSON-ARE MANO 1974 2354-ET	USA 69936539						
OLSON-ARE MANO 1974 2360-ET	USA 69936545						
OLSON-ARE MANOMN2 2306 2421	USA 71579405						
OLSON-ARE MASON 2141 2370	USA 69936555						
OLSON-ARE MASON 2148 2390	USA 71579374						
OLSON-ARE MASSEY 2144 2450	USA 71579434						
OLSON-ARE MASSIVE 2386 2502	USA 73249265			C			
OLSON-ARE MAXUM 2228 2415	USA 71579399						
OLSON-ARE METZ 2283 2486	USA 73249249						
OLSON-ARE MICAH 2202 2379	USA 71579363						
OLSON-ARE MOGL 2290 2411-ET	USA 71579395						
OLSON-ARE MOGUL 2290 2440	USA 71579424						
OLSON-ARE MOONBOY 2154 2467	USA 71579451			C			
OLSON-ARE MOONBOY 2258 2454	USA 71579438						
OLSON-ARE MOONBOY 2341 2458	USA 71579442						
OLSON-ARE MOSEBY 2169 2429	USA 71579413						
OLSON-ARE MOSEBY 2170 2425	USA 71579409						
OLSON-ARE NETWRTH 2156 2402	USA 71579386		C				
OLSON-ARE NETWRTH 2254 2396	USA 71579380						
OLSON-ARE NETWRTH 2277 2395	USA 71579379						
OLSON-ARE O-STYLE 2169 2346	USA 69936531			C			
OLSON-ARE O-STYLE 2231 2350	USA 69936535						
OLSON-ARE OLEGANT 2305 2430	USA 71579414						
OLSON-ARE OLIVER 2085 2423	USA 71579407						
OLSON-ARE OUTDONE 2310 2500	USA 73249263						
OLSON-ARE PADLOCK 2094 2448	USA 71579432						
OLSON-ARE PENYMKR 2070 2378	USA 71579362			C			
OLSON-ARE PIONEER 2094 2384	USA 71579368						
OLSON-ARE PIONEER 2204 2388	USA 71579372						

**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
OLSON-ARE R2 2248P 2427	USA 71579411						
OLSON-ARE RAPPER 2375 2498	USA 73249261						
OLSON-ARE RAZOR 2207 2516	USA 73249279						1
OLSON-ARE RAZR 2207 2460-TW	USA 71579444	C					
OLSON-ARE RAZR 2207 2461-TW	USA 71579445	C					
OLSON-ARE ROLLAG 2098 2492	USA 73249255						
OLSON-ARE ROLLAG 2273 2484	USA 73249247						
OLSON-ARE ROSS 2242 2359	USA 69936544			C			
OLSON-ARE ROVER 2152 2464	USA 71579448						
OLSON-ARE ROVER 2204 2457	USA 71579441						
OLSON-ARE RUSH 2097 2351	USA 69936536						
OLSON-ARE RUSH 2232 2352	USA 69936537						
OLSON-ARE SHOT 2045 2400	USA 71579384						
OLSON-ARE SHOTTLE 2037 2410	USA 71579394					C	
OLSON-ARE SHOTTLE 2218 2418	USA 71579402						
OLSON-ARE SUPER 2104 2290	USA 69936475						
OLSON-ARE SUPER 2111 2358	USA 69936543						
OLSON-ARE TOYOTA 2100 2465	USA 71579449	C					
OLSON-ARE TOYOTA 2199 2434	USA 71579418						
OLSON-ARE TRUMPET 2273 2403	USA 71579387						
OLSON-ARE TUXEDO 2156 2479	USA 73249242		C				
OLSON-ARE TUXEDO 2215 2470	USA 71579454						
OLSON-ARE WATS 2354 2482-TW	USA 73249245					C	
OLSON-ARE WATS 2354 2483-TW	USA 73249246			C			
OLSON-ARE WATSON 2193 2494	USA 73249257					C	
OLSON-ARE WATSON 2325 2509	USA 73249272			C		C	
OLSON-ARE WATSON 2388 2503	USA 73249266					C	
OLSON-ARE ZIT 2133 2435	USA 71579419						
OLSON-ARE ZIT 2142 2437-TW	USA 71579421						
OLSON-ARE ZIT 2142 2438-TW	USA 71579422						
OLSON-LANE ADVENTURE ALLIE	USA 56334506						
OLSON-LANE ALTON AIDEN-ET	USA 53440429						3
OLSON-LANE BOLTON BLISS	USA 53440416						
OLSON-LANE GUMBY GALLA-TW	USA 53440485			C			3
OLSONKNOLL SHOTLE HILITE-ET	USA 140158629						
OLSZ RP JEEVES AMBER-ET	USA 140770580						
OLSZ RP JEEVES ANNA-ET	USA 140770526						
OLSZ RP MAN O ANGELINA-ET	USA 140565030						1
OLSZ RP MAN O MAN ADDIE-ET	USA 141418818						1
OLSZ RP MAN O MAN ASHLEY-ET	USA 141318248						
OLSZ RP MANO MAN AMY-ET	USA 141318163						1
OLSZ RP SUPERSIRE ALEXIS	USA 142495430						
OLSZEWSKI ALEXANDER BETH-ET	USA 140360336					C	1
OLSZEWSKI ARGON STAR-ET	USA 142003372						
OLSZEWSKI ARMITAGE SALLY-ET	USA 141816184						

**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
OLSZEWSKI ARMITAGE SPAN-ET	USA 142085343						
OLSZEWSKI ARMTAGE SPROUT-ET	USA 141816193						
OLSZEWSKI BOGART SWEETY-ET	USA 140707841						
OLSZEWSKI BOLTON CANDY-ET	USA 138893093			C			
OLSZEWSKI BOLTON COTTON-ET	USA 138893114						
OLSZEWSKI BOLTON CRISTA-ET	USA 139400562						
OLSZEWSKI BOMBERO SOLAR	USA 143228363						
OLSZEWSKI BRIAR TIGER	USA 142223619					C	
OLSZEWSKI COLT SPRINT-P-RED	USA 142085138						
OLSZEWSKI FREDDIE CASSIDY	USA 141318145						
OLSZEWSKI GARRET BERNS-ET	USA 141043872						
OLSZEWSKI GOLDWN CHRISTY-ET	USA 136990879						1
OLSZEWSKI HANOVER SEAL-ET	USA 140770571						
OLSZEWSKI IOTA BERKLEY	USA 141660130					C	1
OLSZEWSKI IOTA EDITH	USA 141507631						
OLSZEWSKI JEEVES CARBON-ET	USA 139874730						
OLSZEWSKI JETSTREAM COIN-ET	USA 139443835						
OLSZEWSKI LAUDN SOMTHING-ET	USA 136617033						
OLSZEWSKI MERIDIAN SEATTLE	USA 142573291						
OLSZEWSKI METEOR CHANGE-ET	USA 141318154						
OLSZEWSKI METEOR CLAIR-ET	USA 141287809						
OLSZEWSKI MILLION SALEM-ET	USA 140289684						
OLSZEWSKI MILLION SHARIF	USA 140557147		C				
OLSZEWSKI MONTEREY SCOOTER	USA 143596349						
OLSZEWSKI NUMERO UNO SIS-ET	USA 142564231						
OLSZEWSKI PARADISE SCOPE-ET	USA 142152674						
OLSZEWSKI PLANET SATURN	USA 139659706						
OLSZEWSKI PLANET SHELLY	USA 140359422	C					
OLSZEWSKI PULSAR SEARCH	USA 143511955						
OLSZEWSKI RABO SEASON	USA 143511964						
OLSZEWSKI ROBUST SLASH	USA 142035843						
OLSZEWSKI ROSS SCOTCH-ET	USA 141026965						
OLSZEWSKI ROSS SOLUTION-ET	USA 141026956			C			
OLSZEWSKI SHAM SOMEHOW-ET	USA 141616252						
OLSZEWSKI SHAMROCK SPUD-ET	USA 141616207						
OLSZEWSKI SHERAC CAPITAL-ET	USA 141662673						
OLSZEWSKI SHERAC SHIRLY	USA 141507659						
OLSZEWSKI SHOTTLE SPORTY-ET	USA 137213933						
OLSZEWSKI SYMPATICO SHERBS	USA 143063788			C			
OLSZEWSKI-RS BOOKEM CHAPTER	USA 141828222					C	
OLSZEWSKI-RS CRAVISH-ET	USA 71395271						
OLSZEWSKI-RS PLANET CHER-ET	USA 68711432						
OLSZEWSKI-RS ROSS CACTUS-ET	USA 141026947			C		C	
OLSZEWSKI-RS ROSS CREDIT-ET	USA 70240171						
OLYMPIA BLUEBIRD KRISTOFF	USA 143112857						

**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
OLYMPIA GABBY	USA 143125923			C			
OLYMPIA SAMANTHA LEVI	USA 143112866						
OLYMPIAN LOVE-ET	840003013495155						
ON-CLOUDNINE ABSOLUT 136-ET	USA 70417809						
ON-CLOUDNINE BRKW 181-ET	USA 71863840		C				
ON-CLOUDNINE GC TOT 148	USA 70417821						
ON-CLOUDNINE HERO ALLIE	USA 142305223						
ON-D-EDGE APPOINT RENEE	USA 64956824						
ON-D-EDGE BOMBERO RENA	840003130272511						
ON-D-EDGE KICKBALL RENA	840003012910022						
ON-Q BLADE 443	USA 69724079						
ON-Q CHAP LEGS	USA 72750393						
ON-Q CHARGER P 2211	USA 72750374						
ON-Q DAMARIS HOTBABY-ET	840003131121622						
ON-Q DAMION LILLIAN	USA 72750363						
ON-Q DAY SPLITZ	USA 72750404						
ON-Q DEFIANT ROSE-ET	USA 72750402						
ON-Q DEFIANT SLUSH-ET	USA 72750407						
ON-Q DELTA 1426 CHARLEY	840003132972732						
ON-Q DEMPSEY 2288	USA 73507995						3
ON-Q DEMPSEY GOLDEN	USA 73508002						3
ON-Q DENVER 1426 HARLEY-ET	840003132972730						
ON-Q DENVER 1426 STARLEY-ET	840003132972729						
ON-Q DRESSER DRESSY	840003132972745						
ON-Q EARNHARDT P LUCKY	USA 73508000						
ON-Q EARNHART 2218	USA 72750381						
ON-Q FLAWLESS NESS	USA 73507961						
ON-Q GALAXY BUZZ	USA 73507994						
ON-Q GALAXY GAL	USA 73507998						
ON-Q GALAXY HARVEY	USA 73507990						
ON-Q GALAXY HEART	USA 73507965						
ON-Q GALAXY STAR	USA 73507970						
ON-Q GOLD CHIP 2285	USA 73507992						
ON-Q GOLD CHIP 2286	USA 73507993						
ON-Q GOLD CHIP 2290	USA 73507997						
ON-Q GOLD CHIP MELANI	USA 72750368						
ON-Q GOLD CHIP MIGHTY	USA 73507959						
ON-Q GOLD CHIP SILVER	USA 73507991	C					
ON-Q GUTHRIE 2289	USA 73507996						
ON-Q GUTHRIE MARJO	USA 73507999						
ON-Q GUTHRIE STORM	USA 71109189						
ON-Q HILL TOPPER	USA 72750395						
ON-Q INTEGRAL SPECKLE	840003132972758						
ON-Q JACEY MACEY	USA 73507971					C	
ON-Q JACKMAN SHINE-ET	USA 72750388						

**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
ON-Q JACKMAN SUN-ET	USA 72750386						
ON-Q JACOB 2216	USA 72750379						
ON-Q JELLO PUDDING	USA 73507964						
ON-Q KINGBOY CROWN-ET	840003132972726						
ON-Q LOTTOMAX ROSE-ET	USA 74186712						
ON-Q LOYDIE STRING	USA 72750412						
ON-Q MAGNATE PEARL	840003131121636						
ON-Q MAIN EVENT UV RAY-ET	840003131121620						
ON-Q MAYFIELD GAME	USA 72750391						
ON-Q MCCUTCHEN BLOSSOM	USA 73508003	C					
ON-Q MCCUTCHEN CLUTCH	USA 73507989						
ON-Q MCCUTCHEN COLORS	USA 73508001						
ON-Q MCCUTCHEN MAPLE	USA 73507982						
ON-Q MERIDIAN ASSIST	USA 73507979						
ON-Q MS TAMPA BAY	840003131121631						
ON-Q OBSERVER COLD	USA 72750410						
ON-Q PESKY FLY	USA 73507981						
ON-Q PESKY SKEETER	USA 73507980						
ON-Q PROPER BESTY	USA 72750390						
ON-Q PROPER COLORS	USA 72750387						
ON-Q RAY 2215	USA 72750378						
ON-Q REALITY KHLOE	USA 72041690						3
ON-Q SABATHIA SATIN	USA 74186711						
ON-Q SALEEN ICE	USA 72750411						
ON-Q SALEEN OBABY	USA 73507978						
ON-Q SALEEN RUSH	USA 72750409						
ON-Q SANCHEZ DANE	USA 70529103						
ON-Q SACHEL FANTASY-RED	USA 73507963						
ON-Q SHAME HOLLY	USA 72750373						
ON-Q STRIKER HAIL	USA 73507974		C				
ON-Q SUPER REBEL	USA 72750389	C					
ON-Q SUPERSIRE DARK	840003131121629						
ON-Q SUPERSIRE DUPER	USA 72750382						
ON-Q SUPERSIRE SASS	840003131121656						
ON-Q TAMPA ELECTRA	840003131121655			C			
ON-Q TANGO DRESS	USA 73507985						
ON-Q YODER PETAL	840003131121637						
ON-Q YODER SUNLESS-ET	840003132972747						
ONE-O-ONE BOOST ACT BARBIE	USA 139797822						
ONE-O-ONE D LORRAINE-ET	USA 73912993						
ONE-O-ONE DENIM BUTTERFLY	USA 71767929						
ONE-O-ONE DIS LORETTA-ET	USA 73912992						
ONE-O-ONE ESCAPE EXCELL	USA 71316786						
ONE-O-ONE ESCAPE RIBBONS	USA 71116348						
ONE-O-ONE FACEBOOK GOODNESS	USA 71767932						

**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
ONE-O-ONE FACEBOOK WILLA	USA 72121142						
ONE-O-ONE GOLD LASTING-ET	USA 137262825						
ONE-O-ONE JABIR SUGAR-ET	USA 73690397						
ONE-O-ONE JACEY BETSY	USA 74145748						
ONE-O-ONE JACEY LORILEE	USA 74541307						
ONE-O-ONE JEEVES LOGAN	USA 139797831						
ONE-O-ONE JEEVES LOLA-ET	USA 69581877						
ONE-O-ONE JEEVES REJOICE	USA 139930296						
ONE-O-ONE KINGBOY RINGER	840003129743331						
ONE-O-ONE LARGE BESSIE	USA 71928573						
ONE-O-ONE LARGE LOTTO	USA 71947417						
ONE-O-ONE LOFTY EXTREME	USA 72790811						
ONE-O-ONE MCCUTCHEN BREEZE	USA 73366704						
ONE-O-ONE MOGEL LORENA	USA 72499129						
ONE-O-ONE MONTERY RAMONA-ET	840003129743340						
ONE-O-ONE MONTROSS LACEY	USA 74471165						
ONE-O-ONE MUSKADET BRITT	840003129743339						
ONE-O-ONE O-MAN EXPRESSION	USA 136985493			C			
ONE-O-ONE OBSERVER LIMITED	USA 70605149						
ONE-O-ONE OCTOBERFEST LANA	840003129743346						
ONE-O-ONE PAUL WANDA	USA 71118750						
ONE-O-ONE PIONEER JUBILEE	USA 72121144						
ONE-O-ONE PIONEER LAUREN-ET	USA 71928571						
ONE-O-ONE PIONEER LOCKET-ET	USA 71767933						
ONE-O-ONE PLA RAINBOW-ET	USA 73406124					C	
ONE-O-ONE PLA RAVEN-ET	USA 73406123						
ONE-O-ONE PLANET LACE	USA 68998068						
ONE-O-ONE PLATINUM ROBIN-ET	USA 73553131						
ONE-O-ONE PROFIT RISE-ET	840003135718430						
ONE-O-ONE PROFT RILEY-ET	840003135718429						
ONE-O-ONE RACER ALLIE	USA 74471164						
ONE-O-ONE RAMOS LILA	USA 139220719						
ONE-O-ONE SHAMROCK JACKIE	USA 71116349						
ONE-O-ONE SHAN KATIE	USA 73236181						
ONE-O-ONE SPEECH LADDIE	USA 72246252						
ONE-O-ONE TRIG LENLEE-ET	USA 72988818					C	1
ONE-O-ONE TRIGG LECTURE-ET	USA 71156522					C	1
ONE-O-ONE TRIGGER LEGACY-ET	USA 73236182					C	1
ONE-O-ONE TRIGGER LETTIE-ET	USA 70959188					C	1
ONE-O-ONE TROY EXPRESSO	840003129743332						
ONE-O-ONE YANO LOFTY	USA 71767931						
ONE-O-ONE YODER LAYLA	840003129743341						
ONE-O-ONE YODER ROSE-ET	840003129743329						
ONE-O-ONE ZEBO ELIZ EUNICE	USA 17081000						
ONEEDA ARMANI KAMMI	840003126669725						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
ONEEDA ATWOOD XANADU	840003126669750						
ONEEDA CARSON GRETCHEN	840003126669732	C					
ONEEDA DASHAWN ADDISON	840003126669723		C				
ONEEDA DASHAWN GLADYS	840003126669733						
ONEEDA DASHAWN PEYTON	840003126669737		C				
ONEEDA DASHAWN SANDY	840003126669730		C				
ONEEDA DASHAWN SARAH	840003126669743						
ONEEDA DREAMER WINNIE	USA 73502981						
ONEEDA EPHRAM DANI	USA 73502982						
ONEEDA FORK KAYLA	840003126669749						
ONEEDA FORK KENNEDY	840003126669719						
ONEEDA FORK NICKI	840003126669751						
ONEEDA GOLD CHIP FRAN	840003126669740						
ONEEDA GOLD CHIP MISTY	840003126669741						
ONEEDA MAGENTA ERIN-RED	840003126669745						
ONEEDA MAGENTA JULIE	840003126669746						3
ONEEDA MAGENTA SHANNON-RED	840003126669734						3
ONEEDA MCCUTCHEN LESLIE	840003126669729			C			
ONEEDA MOGUL DAWN	USA 73502983		C			C	
ONEEDA MOGUL LOLLY	USA 73502979						
ONEEDA SHAMROCK DALLAS	840003126669748						
ONEEDA SHAMROCK LIBERTY	840003126669738						
ONEEDA SHAMROCK LUCY	840003126669742						
ONEEDA SHAMROCK PEARL	840003126669747						
ONEEDA SHOTTLE KARNY-ET	USA 72014945					C	
OPEN-ROAD BRONCO LORI	USA 69404327						
OPEN-ROAD DUSK BECCA	USA 69404310						
OPEN-ROAD MOSCOW STARLA	USA 69404304						
OPPORTUNITY COLT-P ADEL	USA 142384862						
OPPRIDE HERO FATE-ET	USA 143423599						
OPPRIDE HERO FEARLESS-ET	USA 143004358						
OPPRIDE HERO FERRARI-ET	USA 143004349						
OPPRIDE HERO FINLEY-ET	USA 143004321						
OPPRIDE HERO FLAWLESS-ET	USA 143004367						
OPPRIDE HERO FORTUNE-ET	USA 143422431						
OPPRIDE SHOT FERGY-ET	USA 143004330					C	
OPPRIDE SHOTTLE FAITH-ET	USA 142044924					C	1
OPPRIDE STERLING FLAIR	USA 143178499						
OPPRIDE STERLING FREEDOM	USA 142640344						1
OPPRIDE WINDBROOK FAMOUS	USA 142127173						1
OPPRIECHT ACME GLORY-ET	USA 142605341						2
OPPRIECHT ACME GRACE-RED-ET	USA 142605332						
OPPRIECHT SHOT FRECKLE-ET	USA 141380230					C	
OPPRIECHT SHOTTLE FLAME-ET	USA 141986623					C	
OPSAHLS BOMBERO JOSIE	840003131021894						

**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
OPSAHLS EARNHARDT FANCY-ET	USA 142447389						
OPSAHLS EARNHARDT PEARL	USA 56337198					C	
OPSAHLS EARNHARDT RACHEL	USA 74611252						
OPSAHLS MATRIX GIZMO-RED	USA 53437564	C					1
OPSAHLS MITEY FINE	USA 56337133						
OPSAHLS MOGUL FANCY-ET	USA 56337180						
OPSAHLS MOGUL FINLEY-ET	USA 56337175						
OPSAHLS MOGUL MARY-ET	USA 142523803						1
OPSAHLS MOGUL MIRACLE-ET	USA 142523812						1
OPSAHLS MOGUL MOLLY-ET	USA 142523791						1
OPSAHLS OT OPAL	USA 74611275						
OPSAHLS REALITY GLADYS	USA 53437554					C	1
OPSAHLS SPEARMINT TOPAZ	USA 53437571		C			C	
OPSAHLS SYMPTICO STACEY-RED	USA 56337200			C			1
OPSAHLS TRIGGER LORELEI	USA 56337104					C	
OPSAL ALEXANDER FANFARE-ET	USA 68711440						
OPSAL ALEXANDR FANTASTIC-ET	USA 65975115						1
OPSAL BOMBERO FURY-ET	USA 72684398						
OPSAL CIVIL DECORATIVE-ET	840003124765254						
OPSAL COLBY FOREVER-ET	840003006805238		C				
OPSAL COLT P DOMINO	USA 70284519						
OPSAL COLT-P SIMILE P	USA 70284583						
OPSAL DALT SIMPLICITY	USA 70284487						
OPSAL DUKE MAESA-RED	USA 63470350						1
OPSAL EARNIT SIMONE	USA 65975084						
OPSAL ENCINO SHINE-ET	USA 63470394						
OPSAL EPIC FONTANA-ET	USA 70284592						
OPSAL FAIRWAY SHAKE-IT-4-ME	USA 70284535						
OPSAL FAIRWAY STRIPES	USA 70284578						
OPSAL GABOR FOREVER-ET	USA 65975187						
OPSAL GABOR FORGIVE-ET	USA 65975188						
OPSAL GABOR FORSAKE-ET	USA 65975190						
OPSAL GABOR FORTRESS-ET	USA 65975192						
OPSAL GABOR SINGER	USA 70284510						
OPSAL GARRETT FANTULA-ET	USA 70284505	C					
OPSAL GARRETT PANACHE	USA 70284587					C	
OPSAL GIBSON SESAME-ET	USA 136454375						
OPSAL GLDCHP FREE SPIRIT-ET	USA 70284588						
OPSAL GOLD CHIP FREEDOM-ET	USA 70284572						
OPSAL GOLD CHIP GINNY	USA 70284548						
OPSAL GOLD CHIP RELISH-ET	USA 70284590						
OPSAL GOLD CHIP SAGE-ET	USA 70284571						
OPSAL GOLDWYN GLENDA	USA 63470268						1
OPSAL HEFTY FANTIQUE-ET	USA 70284621						
OPSAL HEFTY FRANTIC-ET	USA 70284622						

**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
OPSAI IOTA SHERBERT	USA 70284517						
OPSAI IOTA SWEETUMS	USA 70284554						
OPSAI JEEVES SHAKIRA-ET	USA 70284494						
OPSAI JETSTREAM SANDRINE-ET	USA 65975062						
OPSAI JIVES SLIPPER	USA 70284536						
OPSAI LADD-P FORMICA	USA 70284601						
OPSAI LARGE SUNDAE-ET	USA 70284574						
OPSAI LATROY SCAMPI	USA 70284581		C				
OPSAI LAWNBOY DECIBEL-ET	USA 65975134						
OPSAI LITHIUM FORTE	USA 70284602						
OPSAI LYNCH SATIN	USA 65622663	C					
OPSAI MAC SONIA SONATA-ET	USA 63470360						
OPSAI MAC SONIA SONG-ET	USA 63470376						
OPSAI MAC SONIA SONNET-ET	USA 63470363						
OPSAI MAC SONIA SOPRANO-ET	USA 63470368						
OPSAI MAN-O-MAN CORISSA-ET	USA 70284502						
OPSAI MAN-O-MAN CORONA-ET	USA 65975221						
OPSAI MAN-O-MAN GLORIANA-ET	USA 70284513						1
OPSAI MAN-O-MAN SANGRITA	USA 70284493						
OPSAI MAN-O-MAN SAVVY	USA 70284512	C					
OPSAI MARVELOUS SORBET	USA 70284503	C					
OPSAI MAUI SALLYANN	USA 70284556						
OPSAI MCCUTCHEN GIGGLE-TW	840003124765215						
OPSAI MICHAEL SIERRA-ET	USA 65975043						
OPSAI MICHAEL SPARKLE-ET	USA 65975049	C					
OPSAI MICHAEL SPRINKLE-ET	USA 65975059						
OPSAI MILLION SCAMPER-ET	USA 65975099		C				
OPSAI MILLION SIMMER-ET	USA 68711436						
OPSAI MILSON DECORA-ET	840003124765239						
OPSAI MITEY FRISKIE-P	USA 70284557						
OPSAI MOGL GEORGIA PEACH-ET	USA 70284620						
OPSAI MOGUL CORTNEY-ET	USA 70284593						
OPSAI MOGUL DIXIE ANN	USA 70284611						
OPSAI MONT FLORENE-ET	USA 72684393						
OPSAI MONTEREY FORMER-ET	USA 72684402						
OPSAI MONTROSS FIFI-ET	USA 72684407						
OPSAI MONTROSS FIRST-ET	USA 72684391						
OPSAI NIAGRA DECOR	USA 70284520						
OPSAI NIAGRA FRAZZLE-ET	USA 65975224						
OPSAI NIAGRA FRIZZLE-ET	USA 65975225						
OPSAI NIAGRA OLYMPIA-ET	USA 70284550						
OPSAI OHARE-P SEVILLA	840003124765192						
OPSAI PING FANTAE-ET	USA 70284543						
OPSAI PING FINELLA-ET	USA 70284498						
OPSAI PLANET FAME-ET	USA 65975143						

**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
OPSAL PLANET FANFARE-ET	USA 65975142						
OPSAL PLANET SANGRIA-ET	USA 65975089						
OPSAL PLANET SHANGRILA-ET	USA 65975087						
OPSAL POTTER SABRE CRI-ET	USA 62398792						
OPSAL POTTER SAGA-ET	USA 63470253						
OPSAL POTTER SATURN	USA 63470262	C					
OPSAL PRONTO SPECIAL-ET	USA 65975060						
OPSAL PUZZLE CRI-ET	USA 66321129						
OPSAL RUDOLPH SADIE-ET	USA 126888058						
OPSAL SHAMROCK SAGA-ET	USA 70284577						
OPSAL SHAMROCK SAY-SO	USA 70284546						
OPSAL SHAMROCK SEVEN	USA 70284544						
OPSAL SHAMROCK SOLANA	USA 70284559						
OPSAL SHARKY SOLANTRA	USA 63470322	C					
OPSAL SHINER GOLDIE	USA 70284542						1
OPSAL SHOTTLE PANORAMA	USA 63470261					C	
OPSAL SPRINGHILL SARA-ET	USA 62389666						
OPSAL SUPER SPICE	USA 70284481						
OPSAL SUPER SUNBURST-ET	USA 70284499	C					
OPSAL SUPER SUNSET-ET	USA 70284500						
OPSAL TEMPO FRIVOLOUS	USA 70284575						
OPSAL WILSTAR SS DRAMA-ET	USA 138109066	C					1
OPSAL WINDBROOK FRILL-ET	USA 70284569			C			1
OPSAL WLSTAR DARE SHOT-ET	USA 69882947	C				C	
OPSAL WLSTAR SHOT DREAM-ET	USA 69882948	C				C	
OPSAL-K ALXNDR GOLD RUSE-ET	USA 65975156						1
OPSAL-P ALEXANDER BRIANA-ET	USA 65975101						
OPSAL-P ARMITAGE EMMY-ET	USA 70284547						1
OPSAL-P ARMITAGE EVA-ET	USA 70284570						
OPSAL-P BEAU MISTRESS-ET	USA 70284560						
OPSAL-P BEAU MYSTIQUE-ET	USA 70284563						
OPSAL-P CUSTOM BETSEY-ET	USA 70284504						
OPSAL-P DEHRD EMMY CRI-ET	USA 63285410						
OPSAL-P FAIRWAY BLOSSOM	USA 70284545						
OPSAL-P JORDAN EMELIA-ET	USA 70284514						
OPSAL-P MACK ARIELLA	840003124765204						
OPSAL-P MACK EMMYLEE	840003124765199						3
OPSAL-P NIFTY BIRDIE-ET	USA 65975074						
OPSAL-P NOMINEE EMMYLIA-ET	840003124765191						1
OPSAL-P NOMINEE EMMYLOU-ET	840003124765190						1
OPSAL-P NUMERO UNO BETH	USA 70284597						
OPSAL-P ONWARD EMELINA-ET	USA 65975096						1
OPSAL-P PLANET BESSIE-ET	USA 65975086						
OPSAL-P PLANET BUFFY-ET	USA 140750175						
OPSAL-P PLANET BUTTON-ET	USA 65975194						

**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
OPSAL-P SHOTTLE BABS-ET	USA 140750148					C	
OPSAL-P SHOTTLE BRIDGET-ET	USA 140750139					C	
OPSAL-P TOYSTORY BOBBI-ET	USA 63470325						
OPSAL-P TOYSTORY EMELITA-ET	USA 63470326						1
OPSAL-P TRIGGER BRIANNA-ET	USA 141046183						
OPSAL-WILSTAR DEFNDR MIA-ET	840003124765227						
OPSAL-WILSTAR PETY KRYSTAL	840003124765273						
OPSO ALLEN ROSE	CAN 101327985						
OR-A BAXTER BENTLY	USA 140165212						
ORANGE-CRUSH BOWSER COLA-ET	840003004582754						
ORANGE-CRUSH BOWSR CANDY-ET	840003004582772						
ORANGE-CRUSH BOWSR COCOA-ET	840003004582755						
ORANGE-CRUSH HERO CARISMA	840003009969738						
ORANGE-CRUSH LJB COOKIE-ET	USA 69104084						
ORANGE-CRUSH MIX CAITLYN-ET	USA 71535877						
ORANGE-CRUSH MIX CRAYON-ET	USA 71535873						
ORANGE-CRUSH MIXR CHEERS-ET	840003009969742						
ORANGE-CRUSH MIXR CLASSY-ET	840003009969743						
ORANGE-CRUSH PALERMO CUTIE	840003008391021						
ORBE-VIEW ATWOOD HALDORA	USA 143620848						
ORBE-VIEW DURHAM HARLEY-ET	USA 52461846						
ORBE-VIEW DURHAM HILLARY-ET	USA 52327403						
ORCHARD-RIDGE ANABEL NOWEL	USA 65655799			C			
ORCHARDLAWN ALC TRUFLE	USA 71766460						
ORCHARDLAWN B TILMAN	USA 70282130			C			
ORCHARDLAWN CRN TANSY	USA 71766461			C			
ORCHARDLAWN DAY TAFFY	USA 73097143						
ORCHARDLAWN FBI THOME	USA 62245919						
ORCHARDLAWN G CARYN	USA 66637726						
ORCHARDLAWN G CLOVER	USA 70282112						
ORCHARDLAWN G TART	USA 70282123						
ORCHARDLAWN G THERMAL	USA 66637721						
ORCHARDLAWN L TIBET	USA 70282129						
ORCHARDLAWN LG TELLA	USA 73097172						
ORCHARDLAWN LG TOWER	USA 73097173						
ORCHARDLAWN LG TRIST T	USA 73097167			C			
ORCHARDLAWN P CAMRY	USA 66637731						
ORCHARDLAWN P KELSEY	USA 70282111						
ORCHARDLAWN P TECH	USA 70282103						
ORCHARDLAWN P TOOLIST	USA 66637730						
ORCHARDLAWN P TORX	USA 70282106						
ORCHARDLAWN S DAME	USA 70282122						
ORCHARDLAWN SAB THELMA-ET	USA 66637713						
ORCHARDLAWN SYN BRAUN	USA 70282141						
ORCHERDHILL ADCT REHAB-RED	840003013665216						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
ORCHERDHILL BAMA VOGUE-RED	USA 72618456						
ORCHERDHILL C REBA P-RED-ET	USA 71542406						
ORCHERDHILL COLT RORY-RED	USA 141820671						
ORCHERDHILL COLT TRUELY-RED	840003013665217						
ORCHERDHILL COLT VIDA-RED	840003013665210						
ORCHERDHILL LB VIOLA-RED	USA 141283720						
ORCHERDHILL LD RIDDLE-P-RED	840003013665221						1
ORCHERDHILL MAG RITZ-RED	840003013665208		C				
ORCHERDHILL RAVE-P-RED-ET	USA 72618457						
ORCHERDHILL REILY PP-RED-ET	USA 142366431						1
ORCHERDHILL ROGUE P-RED-ET	USA 142366440						
ORCHERDHILL SATCH RUE-ET	USA 72618455						
ORCHID-ET	NLD 543937373						1
ORD BIZOU	FRA 1445852417				C		
OREGON CONTRAST CHARMESHA	USA 65654329						
OREGONIAN HISTORY CROWN-ET	USA 143651608						
OREGONIAN HISTORY GOBLET-ET	USA 143651596						
OREGONIAN HSTRY GOLD CUP-ET	USA 143651617						
OREGONIAN SEN GEM GOLDEN-TW	USA 141467568						
ORESON ELVIRA-ET	ITA 19990359766						
ORESON MAC CHERRY-ET	ITA 19990582724						
ORR 972 859	840003130696042						
ORR BOMBERO 831	840003130696014						
ORR BOMBERO 832	840003130696015						
ORR BOMBERO 931	840003130696114						
ORR CAVIAR 842	840003130696025						
ORR DIAMOND 764	USA 73557293			C			
ORR DIAMOND 767	USA 73557296						
ORR DIAMOND 768	USA 73557297			C			
ORR ENFORCER 871	840003130696054						
ORR ENVIOUS 873	840003130696056						
ORR ERSKINE 749	USA 73557278						
ORR IMPRESSION 820	840003130696003						1
ORR IMPRESSION 837	840003130696020						
ORR JABIR 815	840003130695998						
ORR JABIR 854	840003130696037						
ORR JACEY 770	USA 73557299						
ORR JETSET 818	840003130696001						
ORR LINEMAN 824	840003130696007						
ORR LINEMAN 850	840003130696033						
ORR LOBERRY 774	USA 73557303						
ORR MACGUINNESS 855	840003130696038						
ORR MERCHANDISE 762	USA 73557291	C		C			
ORR PLATINUM 772	USA 73557301			C			
ORR RUSH 786	USA 73557315						

**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
ORR SKATEBOARD 787	USA 73557316						
ORR SPEAKER 866	840003130696049						
ORR SUPER 492	USA 70996760						
ORR SUPERSIRE 777	USA 73557306						
ORR SUPERSIRE 778	USA 73557307						
ORR TROY IGGYZIGS	840003130696055						
ORR TROY KIEZA-ET	840003130696048						
ORR UNIX 765	USA 73557294						
OSCWIL AL 4769	USA 70306299	C		C			
OSCWIL ALTA1STCLAS PESCI-ET	USA 74430638						
OSCWIL ALTA1STCLAS POSIE-ET	USA 74430653						
OSCWIL ALTA1STCLAS PURTY-ET	USA 74430657						
OSCWIL ALTA1STCLASS PEPI-ET	USA 74430634						
OSCWIL BARNEY 7599	USA 72696173						
OSCWIL BOLTON 7524	USA 72696098						
OSCWIL BOXER 4800	USA 70306330			C			
OSCWIL CABRIOLET 7649	USA 72696223						
OSCWIL CABRIOLET 7726	USA 72696300			C			
OSCWIL CABRIOLET 7789	USA 72696363						
OSCWIL CABRIOLET 7793	USA 72696367						
OSCWIL CABRIOLET 7807	USA 72696381						
OSCWIL CABRIOLET 8028-TW	USA 73611493						
OSCWIL CABRIOLET 8035	USA 73611500						
OSCWIL CABRIOLET 8073	USA 73611538						
OSCWIL CABRIOLET 8097	USA 73611562						
OSCWIL CABRIOLET 8151	USA 73611616						
OSCWIL CABRIOLET 8160	USA 73611625						
OSCWIL CABRIOLET 8217	USA 73611682						
OSCWIL CABRIOLET 9071	USA 74429879						
OSCWIL CAMERON 5952-ET	USA 71407996						
OSCWIL CAMERON 5966-ET	USA 71408010						
OSCWIL CAMERON 6019	USA 71842875		C				3
OSCWIL CAMERON 6020	USA 71842876						
OSCWIL CAMERON 6061	USA 71842917			C			
OSCWIL CAMERON 6094	USA 71842950						
OSCWIL CAMERON 6127	USA 71842983						
OSCWIL CAMERON 6131-TW	USA 71842987						
OSCWIL CAMERON 6153	USA 71843009						
OSCWIL CAMERON 6197	USA 71843053						
OSCWIL CASHCOIN RIAL-ET	USA 73611515						3
OSCWIL CASHCOIN RUBLE-ET	USA 72696554						
OSCWIL CLARK 7420	USA 72695994						
OSCWIL COLBY 2203	USA 66247437						
OSCWIL COLT P 7427	USA 72696001						
OSCWIL CYPRUS 4973	USA 70306503						

**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
OSCWIL CYPRUS 4989	USA 70306519						
OSCWIL DAVINCI 9912	USA 74430720						
OSCWIL DAVINCI 9959	USA 74430767						
OSCWIL DEDUCTIVE 9274	USA 74430082						
OSCWIL DEFENDER 8594	USA 73612059						
OSCWIL DEFENDER 8621	USA 73612086						
OSCWIL DEFENDER 8631	USA 73612096						
OSCWIL DEFENDER 8808	USA 73612273						
OSCWIL DEFENDER 8809	USA 73612274						
OSCWIL DEFENDER 8868	USA 73612333						
OSCWIL DEFENDER 8947	USA 73612412						
OSCWIL DEFI 9931-TW	USA 74430739						
OSCWIL DIGGER 4947	USA 70306477						3
OSCWIL DIGGER 5459	USA 70891836						
OSCWIL DISCO 1534	USA 64927203						
OSCWIL DISCO 7545	USA 61234741						
OSCWIL DOM 7485	USA 72696059						
OSCWIL DOMAIN 4261	USA 69877278						
OSCWIL DOMAIN 4322	USA 69877339						
OSCWIL DOMAIN 4388	USA 69877405						
OSCWIL DOMAIN 4459	USA 69877476						
OSCWIL DOMAIN 4516	USA 70306046						
OSCWIL EPIC 7023	USA 72695597						
OSCWIL EPIC 7986	USA 72696560						
OSCWIL EXPLODE 6951	USA 71843807						
OSCWIL EXPLODE 6986	USA 71843842	C					
OSCWIL FATHOM 5833	USA 71407877						
OSCWIL FEVER DELIRIOUS-ET	USA 70891543						
OSCWIL FREDDIE 7068	USA 72695642						
OSCWIL G W ATWOOD DANY-ET	USA 72696561						
OSCWIL GALAXY 7458	USA 72696032						
OSCWIL GALAXY 7725	USA 72696299						
OSCWIL GILLETTE 9869	USA 74430677			C			
OSCWIL GILLETTE 9941	USA 74430749						
OSCWIL GRAFEETI 6977	USA 71843833			C			
OSCWIL GRAFEETI 7670	USA 72696244						
OSCWIL GRAFEETI 7739	USA 72696313						
OSCWIL HEADLINER 8608	USA 73612073						
OSCWIL JABIR 8961	USA 73612426						
OSCWIL JACEY 9056	USA 74429864						
OSCWIL JENNINGS 8619	USA 73612084						
OSCWIL JETSET 8591	USA 73612056						
OSCWIL JETSET 8626	USA 73612091						
OSCWIL JETSET 8653	USA 73612118						
OSCWIL JETSET 8712	USA 73612177			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
OSCWIL JETSET 8732	USA 73612197						
OSCWIL JETSET 8800	USA 73612265						
OSCWIL JETSET 8802	USA 73612267						
OSCWIL JITTERBUG 8696	USA 73612161						
OSCWIL JITTERBUG 9077	USA 74429885						
OSCWIL JITTERBUG 9108	USA 74429916						
OSCWIL JITTERBUG 9144	USA 74429952						
OSCWIL JITTERBUG 9717	USA 74430525			C			
OSCWIL KAMIK 7499	USA 72696073						
OSCWIL KRUNCH 8243	USA 73611708						
OSCWIL LOTTIE DA 9757	USA 74430565						1
OSCWIL MAGNATE 9929	USA 74430737						
OSCWIL MAGNATE 9932	USA 74430740						
OSCWIL MAGNATE 9934	USA 74430742				C		
OSCWIL MAN-O-MAN2 7401	USA 72695975						
OSCWIL MASSEY 6983	USA 71843839						
OSCWIL MASSEY 6997-TW	USA 71843853						
OSCWIL MASSEY 6998-TW	USA 71843854			C			
OSCWIL MASSEY 7081	USA 72695655						
OSCWIL MASSEY 7344	USA 72695918						
OSCWIL MASSEY 7372	USA 72695946						
OSCWIL MASSEY 7429	USA 72696003						
OSCWIL MASSEY 9916	USA 74430724						
OSCWIL MAYFIELD 7385	USA 72695959		C	C			
OSCWIL MCCUTCHEN 7348	USA 72695922						
OSCWIL MCCUTCHEN 7352	USA 72695926						
OSCWIL MCCUTCHEN AMIRA-ET	USA 71843571						
OSCWIL MENDEV 7796-TW	USA 61234992						
OSCWIL MERCHANDISE 8585	USA 73612050	C					
OSCWIL MIDNIGHT 9878	USA 74430686						
OSCWIL MILLION 3076-ET	USA 69033055		C				
OSCWIL MILLION 3187	USA 69072375						
OSCWIL MITCH 6996	USA 71843852						
OSCWIL MOGUL 7084	USA 72695658						
OSCWIL MOGUL 7358	USA 72695932						
OSCWIL MOGUL 7374	USA 72695948						
OSCWIL MOGUL 7380	USA 72695954						
OSCWIL MOGUL 7416	USA 72695990						
OSCWIL MOGUL 7433	USA 72696007						
OSCWIL MOGUL 7441-TW	USA 72696015						
OSCWIL MOGUL 7442-TW	USA 72696016						
OSCWIL MOGUL 7445	USA 72696019						
OSCWIL MOGUL 7454-TW	USA 72696028						
OSCWIL MOGUL 7455-TW	USA 72696029			C			
OSCWIL MOGUL 7466	USA 72696040						

**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
OSCWIL MOGUL 7491	USA 72696065						
OSCWIL MOGUL 7494	USA 72696068						
OSCWIL MOGUL 7510	USA 72696084						1
OSCWIL MOGUL 7519	USA 72696093						
OSCWIL MOGUL 7528	USA 72696102						
OSCWIL MOGUL 7544	USA 72696118						
OSCWIL MOGUL 7558	USA 72696132						
OSCWIL MOGUL 7560	USA 72696134						
OSCWIL MOGUL 7567	USA 72696141						
OSCWIL MOGUL 7585	USA 72696159		C				
OSCWIL MOGUL 7604	USA 72696178			C			
OSCWIL MOGUL 7606	USA 72696180						
OSCWIL MOGUL 7642	USA 72696216						
OSCWIL MOGUL 7667	USA 72696241						
OSCWIL MOGUL 7685-TW	USA 72696259						
OSCWIL MOGUL 7686-TW	USA 72696260						
OSCWIL MOGUL 7695	USA 72696269						
OSCWIL MOGUL 7728-TW	USA 72696302						
OSCWIL MOGUL 7729-TW	USA 72696303						
OSCWIL MOGUL 7738	USA 72696312						
OSCWIL MOGUL 7750	USA 72696324						
OSCWIL MOGUL 7778	USA 72696352						
OSCWIL MOGUL 7799	USA 72696373						
OSCWIL MOGUL 7822	USA 72696396						
OSCWIL MOGUL 7896	USA 72696470						
OSCWIL MOGUL 8009	USA 73611474						
OSCWIL MOGUL 8133	USA 73611598						
OSCWIL MOGUL 8196-TW	USA 73611661						
OSCWIL MOGUL 8225	USA 73611690						
OSCWIL MOGUL 8598	USA 73612063						
OSCWIL MOGUL 9012	USA 74429820						
OSCWIL MOGUL 9062	USA 74429870						
OSCWIL MOGUL 9327	USA 74430135						
OSCWIL MOGUL 9463	USA 74430271						
OSCWIL MOGUL DARLING-ET	USA 73611910						
OSCWIL MONTEREY 9879	USA 74430687			C			
OSCWIL MONTEREY 9882	USA 74430690						
OSCWIL MONTEREY 9899	USA 74430707						
OSCWIL MONTEREY 9926	USA 74430734						
OSCWIL MONTEREY 9952-TW	USA 74430760						
OSCWIL MONTEREY 9953-TW	USA 74430761						
OSCWIL MONTEREY 9991	USA 74430799			C			
OSCWIL MONTEREY 9997	USA 74430805		C				
OSCWIL MONTEREY PAKA-ET	USA 74430722						
OSCWIL MONTEREY PAPAYO-ET	USA 74430725						

**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
OSCWIL MONTEREY PELEE-ET	USA 74430691						
OSCWIL MONTEREY PETACAS-ET	USA 74430717						
OSCWIL MONTEREY POOL-ET	USA 74430651						
OSCWIL MONTROSS 9063	USA 74429871						
OSCWIL MONTROSS 9138	USA 74429946			C			
OSCWIL MONTROSS 9146	USA 74429954						
OSCWIL MONTROSS 9154	USA 74429962						
OSCWIL MONTROSS 9173	USA 74429981						
OSCWIL MONTROSS 9194-TW	USA 74430002						3
OSCWIL MONTROSS 9195-TW	USA 74430003						3
OSCWIL MONTROSS 9224-TW	USA 74430032						
OSCWIL MONTROSS 9225-TW	USA 74430033						
OSCWIL MONTROSS 9237	USA 74430045						
OSCWIL MONTROSS 9280	USA 74430088						
OSCWIL MONTROSS 9460	USA 74430268						
OSCWIL MONTROSS PALOMO-ET	USA 74430726						
OSCWIL MONTROSS PALUWEH-ET	USA 74430735						
OSCWIL MONTROSS PATOC-ET	USA 74430759						
OSCWIL MOONRAY 9006	USA 74429814						
OSCWIL MOVIERUSH 7934	USA 72696508						
OSCWIL NUMBER ONE 7493	USA 72696067						
OSCWIL NUMBER ONE 7692	USA 72696266						
OSCWIL O MAN 1521	USA 64927190						
OSCWIL O MAN 9955	USA 64306521			C			
OSCWIL O-DOMAIN 8998-TW	USA 73612463						
OSCWIL O-DOMAIN 8999-TW	USA 73612464						
OSCWIL O-MAN 1857	USA 64927526						
OSCWIL O-MORTY 7096	USA 72695670						
OSCWIL O-TOYPEP 7478	USA 72696052						
OSCWIL O-TSTORY 7450-TW	USA 72696024						
OSCWIL O-TSTORY 7451-TW	USA 72696025						
OSCWIL PAINTBALL 7394	USA 72695968						
OSCWIL PARTYROCK 8781	USA 73612246						
OSCWIL PARTYROCK 8825	USA 73612290						
OSCWIL PARTYROCK 8851	USA 73612316			C			
OSCWIL PAUL 5212	USA 70891589						
OSCWIL PERFORMER 7423	USA 72695997		C				
OSCWIL PETRONE 7067	USA 72695641						
OSCWIL PINKMAN 8730	USA 73612195						
OSCWIL PLANET 4791	USA 70306321						
OSCWIL PLANET 7853	USA 72696427						
OSCWIL PORTIS 7759	USA 72696333						
OSCWIL RACER 9698	USA 74430506			C			
OSCWIL RACER 9737	USA 74430545						
OSCWIL REFLECTOR 9030	USA 74429838						

**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
OSCWIL REFLECTOR 9101	USA 74429909						
OSCWIL REFLECTOR 9907	USA 74430715						
OSCWIL ROBUST 7530	USA 72696104						
OSCWIL RUSSELL 3951	USA 69353599						
OSCWIL SHAMROCK 7761	USA 72696335						
OSCWIL SKYLINE 8702	USA 73612167						
OSCWIL SKYLINE 8938	USA 73612403					C	
OSCWIL STAMINA 9887	USA 74430695						
OSCWIL STAMINA 9913	USA 74430721						
OSCWIL STAMINA 9935	USA 74430743						
OSCWIL STAMINA 9943	USA 74430751						
OSCWIL STAMINA 9955	USA 74430763						
OSCWIL STAMINA 9972	USA 74430780						
OSCWIL STAMINA 9977	USA 74430785						
OSCWIL SUPERSIRE 8011-ET	USA 73611476						
OSCWIL SUPERSIRE 8020	USA 73611485						
OSCWIL SUPERSIRE 8072	USA 73611537						
OSCWIL SUPERSIRE 8098	USA 73611563			C			
OSCWIL SUPERSIRE 8121	USA 73611586						
OSCWIL SUPERSIRE 8192	USA 73611657						
OSCWIL SUPERSIRE 8251	USA 73611716						
OSCWIL SUPERSIRE 8261	USA 73611726			C			
OSCWIL SUPERSIRE 8487	USA 73611952						
OSCWIL SUPERSIRE 8942	USA 73612407						
OSCWIL SUPERSIRE 9009	USA 74429817						
OSCWIL SUPERSIRE 9710	USA 74430518			C			
OSCWIL SUPERSIRE 9752	USA 74430560						
OSCWIL SUPERSIRE CORA-ET	USA 73611491						
OSCWIL SUPERSIRE DAUB-ET	USA 73611471						
OSCWIL SUPERSIRE DESIRE-ET	USA 73611501						
OSCWIL TALENT 2619-ET	USA 66247853						
OSCWIL TIME 3624	USA 69353272			C			
OSCWIL TIME 3889	USA 69353537						
OSCWIL TIME 3937	USA 69353585						
OSCWIL TIME 4011	USA 69877028						
OSCWIL TIME 4573	USA 70306103						
OSCWIL TORNADO 5020-TW	USA 70891397						
OSCWIL TORNADO 5021-TW	USA 70891398						
OSCWIL TORNADO 5175	USA 70891552						
OSCWIL TOYSTORY 5168	USA 70891545						
OSCWIL YOOHOO 8266	USA 73611731						
OSCWIL YOVANI 8016	USA 73611481						
OSCWIL YOVANI 8040	USA 73611505						
OSCWIL YOVANI 8045	USA 73611510						
OSCWIL Z-SHOTTLE 7395	USA 72695969						

**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
OSCWIL Z-SHOTTLE 7411	USA 72695985					C	
OSCWIL-ZF PAUL 5178	USA 70891555						
OSEEANA GOLDWYN 970-ET	USA 71144030						
OSSIE-ACRES AVERY	USA 142715280						
OSSIE-ACRES RILEY	USA 142715271						
OSU-ATI FBI ANGEL 1214-ET	USA 63066685						
OSU-ATI GLEN AZURE 1250	USA 63066721						
OSU-COWBOY KINGBOY DITZY	840003127897221						
OSU-COWBOY KINGBOY LEANNE	840003127897212						
OUR-BRU-ACRES CM WILLOW	USA 74151697						
OUR-CREST MICH RHYME	USA 62675455						
OUR-CREST REDLOU NINA	USA 65888410						
OUR-DESTINY ATWOOD RALLY-ET	USA 70316518	C					
OUR-DESTINY ATWOOD RAYNA-ET	USA 71820106						
OUR-DESTINY ATWOOD ROXY-ET	USA 71820101	C					
OUR-DESTINY LAR ROCHELLE-ET	840003124003680						
OUR-FAVORITE 5G JACELYN	840003129454877						
OUR-FAVORITE ABARTH-ET	USA 142284331						
OUR-FAVORITE AKILI-RED-ET	USA 142251999						1
OUR-FAVORITE AMPLIFY-RED-ET	USA 142284340						1
OUR-FAVORITE APPRECIATE-ET	840003129454885						
OUR-FAVORITE ARGYLE-ET	USA 142284322						
OUR-FAVORITE ARIEL-RED-ET	840003012559705						3
OUR-FAVORITE ASTERICK-ET	USA 142284313						
OUR-FAVORITE ATWOOD CLASH	USA 141711911						
OUR-FAVORITE ATWOOD RAVYN	840003129454948						
OUR-FAVORITE AUDI-RED-ET	840003012559919		C				1
OUR-FAVORITE AWESTRUCK	840003129454962						
OUR-FAVORITE BAMBEY RAE-ET	840003123600933						
OUR-FAVORITE BASIL RAE-ET	USA 142862562						
OUR-FAVORITE BLYTH RAE P-ET	USA 142864014						
OUR-FAVORITE BOLTON TENISHA	USA 140922866						
OUR-FAVORITE BONITA RAE	USA 140107249						
OUR-FAVORITE BOUNTY RAE-ET	USA 142389782						
OUR-FAVORITE BOURBON RAE-ET	USA 141711948						
OUR-FAVORITE BOXER CHANDI	USA 141507668						
OUR-FAVORITE BRANDY RAE-ET	USA 142864023						
OUR-FAVORITE BRAX SKYBURST	USA 141656072						
OUR-FAVORITE CAELEE-ETS	USA 140044665						
OUR-FAVORITE CAELYNE-ETS	USA 140044647						
OUR-FAVORITE CALIBER AVANZA	USA 142084379						
OUR-FAVORITE CALIBER JESSY	USA 141656223						
OUR-FAVORITE CALISTA CRI-ET	USA 64541751						
OUR-FAVORITE CARESS CRI-ET	USA 64541792						
OUR-FAVORITE CHANDRA-ET	USA 138020905						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
OUR-FAVORITE CHARADE	USA 141043733						
OUR-FAVORITE CHELSEY-ET	USA 140103571		C				
OUR-FAVORITE CHENOA-ET	USA 142862674						
OUR-FAVORITE CHEREECE-ET	USA 140103601		C				
OUR-FAVORITE CHEYENNE	USA 141655914						1
OUR-FAVORITE CITATION-ET	USA 141851691						
OUR-FAVORITE CLARK LYNX	USA 141507640						
OUR-FAVORITE CONTAGIOUS	USA 138281447						
OUR-FAVORITE DAFNI RAE P-ET	USA 142863714						
OUR-FAVORITE DAISY RAE-ET	USA 141372879						
OUR-FAVORITE DAMSEL RAE-ET	USA 142863787						
OUR-FAVORITE DANARAE-RED-ET	USA 141372833						
OUR-FAVORITE DANIKA RAE-ET	USA 140981371						
OUR-FAVORITE DARARAE-RED-ET	USA 141372860						
OUR-FAVORITE DARBI RAE-ET	USA 142864096						1
OUR-FAVORITE DAVIDA RAE	USA 142251971						
OUR-FAVORITE DAZZLE RAE-ET	USA 141372785						
OUR-FAVORITE DEANDRA RAE-ET	USA 139759321						
OUR-FAVORITE DEBUT RAE-ET	USA 141039394						
OUR-FAVORITE DEFINE TEAGAN	USA 142251953						
OUR-FAVORITE DELANEE RAE-ET	USA 141656317						
OUR-FAVORITE DELORES-RAE-ET	USA 70316134						
OUR-FAVORITE DEMETRA RAE-ET	USA 141148241						
OUR-FAVORITE DENALI RAE-ET	USA 140890967						
OUR-FAVORITE DESTA RAE-ET	USA 141148269						
OUR-FAVORITE DEVIOUS RAE-ET	USA 141507828						
OUR-FAVORITE DEW RAE-RED-ET	USA 142864087						1
OUR-FAVORITE DEZZIE RAE-ET	USA 141372794						
OUR-FAVORITE DIAMON RAE-ET	USA 140694972						
OUR-FAVORITE DIJON RAE P-ET	USA 142518904						
OUR-FAVORITE DIVARAE-RED-ET	USA 141372806						
OUR-FAVORITE DIXIE RAE-ET	USA 141106223						
OUR-FAVORITE DOORMAN ZAMARA	840003129454966					C	
OUR-FAVORITE DREAM RAE-ET	USA 141507846						
OUR-FAVORITE DRIZELA RAE-ET	USA 141240877						
OUR-FAVORITE DRMN CACHET-ET	USA 142862580					C	
OUR-FAVORITE DRMN CAMEO-ET	USA 142862601					C	
OUR-FAVORITE DRMN CANDY-ET	USA 142862610					C	
OUR-FAVORITE DRMN CYPRES-ET	USA 142862638					C	
OUR-FAVORITE DYANI RAE-ET	USA 141240831						
OUR-FAVORITE DYNAMITE RAE	USA 142014932						
OUR-FAVORITE DYNASTY RAE-ET	USA 141507855						
OUR-FAVORITE EMERALD VERNIER	USA 142251935						
OUR-FAVORITE ENDLESS-ET	USA 142863974					C	
OUR-FAVORITE ENTITLED-ET	840003129454921						

**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
OUR-FAVORITE EP DEMIGOLD-ET	USA 140981399						
OUR-FAVORITE ESCALADE HONOR	USA 142862571						
OUR-FAVORITE EXCLUSIVE-ET	840003129454883						
OUR-FAVORITE EXPECTATION-ET	840003129454884						
OUR-FAVORITE EXTREME TEASE	USA 142084315						
OUR-FAVORITE FEVER OTANI	USA 142144101						
OUR-FAVORITE GEORGETTE-ET	USA 141655866						
OUR-FAVORITE GLPY CAMBER-ET	USA 142863844						
OUR-FAVORITE HILL CASH	USA 142144026						
OUR-FAVORITE HILL CLARISSA	USA 141656269						1
OUR-FAVORITE HLINR GULLIBLE	USA 142389812						
OUR-FAVORITE HOLLYWOOD	USA 140401455						
OUR-FAVORITE INDULGENCE	840003129454956						
OUR-FAVORITE INQUISITIVE-ET	840003129454893						
OUR-FAVORITE INVICIBLE-ET	USA 143072083						
OUR-FAVORITE IOTA LYNDI	USA 141656241						
OUR-FAVORITE JEEV CAMRIE-ET	USA 140209044						
OUR-FAVORITE JEEV CAMRYN-ET	USA 140209080						
OUR-FAVORITE JEEVES CHASITY	USA 140922875						
OUR-FAVORITE JEEVES LEAH-ET	USA 140086991						
OUR-FAVORITE JENNALYN	USA 141507622						
OUR-FAVORITE JRDN OKILEE-ET	USA 141655932						
OUR-FAVORITE KALI RAE P	840003129454903						
OUR-FAVORITE LADD OTHECLA	USA 142143977						1
OUR-FAVORITE LIMITLESS-ET	USA 142518847						
OUR-FAVORITE LIMTION ALYSSE	840003129454925			C			
OUR-FAVORITE LOU AZAMI P-ET	USA 142862544						
OUR-FAVORITE LUMINOUS-ET	840003129454895						
OUR-FAVORITE M O M LUCKY-ET	USA 141043715						
OUR-FAVORITE MAC CONCETTA	USA 139983726						1
OUR-FAVORITE MACKAY EMERALD	USA 141939135						
OUR-FAVORITE MANOMAN JOLEE	USA 140618738						
OUR-FAVORITE MANOMAN KAYLA	USA 140922848						
OUR-FAVORITE MANOMAN RALLY	USA 140618765						
OUR-FAVORITE MARY B RAE-RED	840003129454935						1
OUR-FAVORITE MASEY PYTAH-TW	USA 142863723	C					1
OUR-FAVORITE MASSEY LIAR	USA 142518865		C				
OUR-FAVORITE MASSEY OPAL	USA 142518883						
OUR-FAVORITE MEDEA RAE-ET	USA 142144044						
OUR-FAVORITE MERANA RAE-ET	USA 142389773						
OUR-FAVORITE MERCURY RAE	USA 142389821						
OUR-FAVORITE MERCY RAE-ET	USA 142144062						
OUR-FAVORITE MGNTA AERON-ET	840003012560132						
OUR-FAVORITE MGNTA AMERY-ET	840003013177400						3
OUR-FAVORITE MIL LIONA-ET	USA 140196492		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
OUR-FAVORITE MILL ORAZIA-ET	USA 140197130						
OUR-FAVORITE MILL ORIANA-ET	USA 140197185		C				
OUR-FAVORITE MILL OTYLIA-ET	USA 140197149		C				
OUR-FAVORITE MISSY RAE-ET	USA 142389803						
OUR-FAVORITE MORTY MABEL	USA 137282566	C					
OUR-FAVORITE MUNIFICENT-ET	840003129454915						
OUR-FAVORITE NOEMI RAE-ET	USA 142084306						
OUR-FAVORITE NUNZIA RAE-ET	USA 142084360						
OUR-FAVORITE OBS BREAHA-ET	USA 141656278						
OUR-FAVORITE OBSERV BAM-TW	USA 142144080						
OUR-FAVORITE OBSERV WHAM-TW	USA 142144071						
OUR-FAVORITE OBSR BANIKA-ET	USA 141656214						1
OUR-FAVORITE OBSR BAYLIS-ET	USA 141507873						
OUR-FAVORITE OBSRVR CATRINA	USA 141507686						
OUR-FAVORITE OBSV BAREEN-ET	USA 141656308						
OUR-FAVORITE OBSV BRIDNA-ET	USA 141656335						1
OUR-FAVORITE OBVIOUS-ET	USA 140414156		C				
OUR-FAVORITE OCOSMA	USA 142084333						
OUR-FAVORITE ODEASIA	USA 141507604						
OUR-FAVORITE ODESSAH-ET	USA 140103580						
OUR-FAVORITE ODESTA-ET	USA 141507798						
OUR-FAVORITE OHKARIA-ET	USA 140845734						
OUR-FAVORITE OKAHLI-ET	USA 140845716						
OUR-FAVORITE OKAI-ET	USA 142251917						
OUR-FAVORITE OKALAUKA-ET	USA 141944593						
OUR-FAVORITE OKEELY-ET	USA 141944584						
OUR-FAVORITE OKENZI-ET	USA 141507800						
OUR-FAVORITE OKIIDOHKII-ET	USA 140845707						
OUR-FAVORITE OKIILANEE-ET	USA 140437171						
OUR-FAVORITE OKOLEHAO	840003129454882						
OUR-FAVORITE OKSANA-ET	USA 140437180						
OUR-FAVORITE OKUMARI	USA 141880806						
OUR-FAVORITE OLALI-ET	USA 141507819						
OUR-FAVORITE OLAVANI-ET	USA 141418229						
OUR-FAVORITE OLECIA	USA 141418256						
OUR-FAVORITE OLEESHA-ET	USA 140437162						
OUR-FAVORITE OLLYVE	USA 142863871						
OUR-FAVORITE OLYMPIA-ET	USA 141881526						
OUR-FAVORITE OLYMPIAN ANDI	840003129454889						
OUR-FAVORITE OMEGA-ET	USA 141418274						
OUR-FAVORITE ONESTA	USA 142014905						
OUR-FAVORITE ONYX-ET	USA 142014893						
OUR-FAVORITE OPHELIA-ET	USA 140087004						
OUR-FAVORITE ORITHIA-ET	USA 141851682						
OUR-FAVORITE ORPHA-ET	USA 140045910						

**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
OUR-FAVORITE ORVOKII-ET	USA 141881517						
OUR-FAVORITE OSAKAE-ET	USA 140890949						
OUR-FAVORITE OSHEA-ET	USA 139936256						
OUR-FAVORITE OTANVI-ET	USA 142144008						
OUR-FAVORITE OTARRA-ET	USA 142014884						
OUR-FAVORITE OTHELIA-ET	USA 140620362						
OUR-FAVORITE OUTBURST-ET	USA 134987583		C				
OUR-FAVORITE OUTCAST-ET	USA 141851637						
OUR-FAVORITE OUTSHINE-ET	USA 141851628						
OUR-FAVORITE OZARRA-ET	USA 140086964						
OUR-FAVORITE OZITA-ET	USA 142084324						
OUR-FAVORITE PARIS RAE-ET	USA 140922820						
OUR-FAVORITE PASADENA	USA 141656287	C					
OUR-FAVORITE PASSION-RED-ET	USA 140769621						
OUR-FAVORITE PIXIE STYX	USA 140618774		C				
OUR-FAVORITE POMPOUS-ET	USA 140044638						
OUR-FAVORITE POSSESSED-ET	USA 140044610						
OUR-FAVORITE POTENTIAL-ET	USA 140044629						
OUR-FAVORITE PRICILA RAE-ET	USA 140922802						
OUR-FAVORITE PRIMO RAE P	USA 142143995						
OUR-FAVORITE RACER OCALI	840003129454914						
OUR-FAVORITE RDBRST AZUL-ET	840003012560052						2
OUR-FAVORITE RESTLESS-ET	840003129454881						
OUR-FAVORITE ROS JUANITA-ET	USA 142518874					C	
OUR-FAVORITE ROSS JOSIE-ET	USA 141655941					C	
OUR-FAVORITE SAFFRON RAE	USA 141851664						3
OUR-FAVORITE SAIGE RAE-ET	USA 142863778						
OUR-FAVORITE SANITY RAE-ET	USA 141711836			C			
OUR-FAVORITE SASSY RAE	USA 142014914						
OUR-FAVORITE SAUCY RAE	USA 142014923			C			
OUR-FAVORITE SDN CARAMEL-TW	USA 141880824						
OUR-FAVORITE SDN CREAM-TW	USA 141880833						1
OUR-FAVORITE SDN PANDORA-ET	USA 141850971						
OUR-FAVORITE SHAELEE RAE-ET	USA 139920374						
OUR-FAVORITE SHAKIRA RAE-ET	USA 139968521						
OUR-FAVORITE SHAMRCK JANALI	USA 141656326						
OUR-FAVORITE SHAMROCK OKYA	USA 141656296						
OUR-FAVORITE SHANDRA RAE-ET	USA 139920365					C	
OUR-FAVORITE SHAREE RAE-ET	USA 140928152						
OUR-FAVORITE SHAWNA RAE-ET	USA 140928134						
OUR-FAVORITE SHAWNEE RAE-ET	USA 140928143						
OUR-FAVORITE SHEENA RAE-ET	USA 139920356					C	
OUR-FAVORITE SHIVER RAE-ET	USA 141944575						
OUR-FAVORITE SHNAZZY RAE-ET	USA 139920383					C	
OUR-FAVORITE SHONTEE RAE-ET	USA 141711966						

**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
OUR-FAVORITE SHOT JAMIE-ET	USA 140158384					C	
OUR-FAVORITE SHOTTLE STEFFI	USA 139387472						
OUR-FAVORITE SHYLO RAE-ET	USA 142863750						
OUR-FAVORITE SHYRA RAE-ET	USA 141711890						
OUR-FAVORITE SOLACE RAE-ET	USA 141944548						
OUR-FAVORITE SONIC RAE-ET	USA 141944605						
OUR-FAVORITE SPARKLE RAE-ET	USA 141851646						
OUR-FAVORITE SPR BOUQUET-ET	USA 141260013						
OUR-FAVORITE SPR CHRISSE-ET	USA 141655820						
OUR-FAVORITE SPRSR AILEY-ET	USA 142863947						
OUR-FAVORITE SUDAN JOLLY	USA 141944614						
OUR-FAVORITE SUGAR RAE	USA 141507695						
OUR-FAVORITE SUPER BERGETA	USA 141656063						
OUR-FAVORITE SUPER ORAH-ET	USA 140694981						
OUR-FAVORITE SUPER OREO-ET	USA 140695003						
OUR-FAVORITE SUPREME RAE-ET	USA 142267237						
OUR-FAVORITE SWEETIE RAE-ET	840003129454872						
OUR-FAVORITE SYM ACCORD-ET	840003012559717						
OUR-FAVORITE SYM ACTYN-ET	USA 142862553			C			
OUR-FAVORITE TABBY-ET	USA 140890921						
OUR-FAVORITE TABEA-ET	USA 140890930						
OUR-FAVORITE TABITHA-ET	USA 140890912						
OUR-FAVORITE TRIVIAL-RED-ET	840003129454936						1
OUR-FAVORITE TWISTER-RED-ET	840003129454949						
OUR-FAVORITE UBIQUITOUS-ET	840003129454917						
OUR-FAVORITE UNLIMITED	USA 141851721						
OUR-FAVORITE VORACIOUS-ET	840003129015979						
OUR-FAVORITE WILPWR NITRO	USA 142864117	C					2
OUR-FAVORITE XTREM PARADISE	USA 142144099						
OUR-FAVORITE ZANDRA	USA 142863769						
OUR-FAVORITE ZEALOUS-ET	840003129016302						
OUR-FAVORITE-I LDELIGHT RAE-ET	CAN 9784537						
OUR-HOPE SHOTTLE GIGI	USA 69413018					C	
OURWAY ANTICIPATION NORA	USA 138449762						3
OVALTOP ADVENT REDROSE-RED	USA 140752168						
OVALTOP ADVNT FALLON-RED-ET	USA 140921173	C					
OVALTOP DEMPSEY LING	USA 142531134						3
OVALTOP DUNDEE ESTER	USA 139113912	C					
OVALTOP KITE LOIS-TW	USA 138911281						
OVALTOP MILLION JOSIE	USA 141081056						
OVALTOP RUBENS LUCY	USA 135013872						
OVERLAND ALWYS GORGEOUS-RED	USA 142874954						
OVERSIDE RAMPAGE BREYA	USA 65598527						
OVERTON-ACRES PAT DELLA-ET	USA 17226194						
OVINA ABRAHAM BANDIT	USA 58750386						

**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
OVINA BASIL BLISS	USA 55731363						
OVINA CABRIOLET JAVA-ET	USA 58750447						
OVINA CABRIOLET JOLEE-ET	USA 58750448						
OVINA FRANZ JULIET-ET	USA 58382549	C					
OVINA FRANZ JUSTICE-ET	USA 58382550						
OVINA GALAXY BABY	USA 142667765						
OVINA GEMSTONE JOURNEY-ET	840003126605543						
OVINA LAWMAN BONANZA	840003126605550						
OVINA LOTTOMAX JACE-ET	840003126605544						
OVINA LOTTOMAX JEWEL-ET	840003126605547						
OVINA LOTTOMAX JOSIE-ET	840003126605546						
OVINA PLATINUM BELLS	840003126605551						
OVINA TAMPA BAMBI-TW	840003126605549						
OVINA TAMPA BONNIE-TW	840003126605548						
OVINA TANGO SERENDIPITY	USA 143030029						
OVINA TROY JINGLE	840003135073513						
OWASCO-VIEW DAMION RUTH-ET	USA 142826821						
OWASCO-VIEW GC RUBYMARIE-ET	USA 142826830						
OWASCO-VIEW MOGUL FOLLY-ET	USA 72972704						
OWASCO-VIEW SS FONDA-ET	USA 142826812						
OWEN OMAN LANA	USA 138641753						
OWEN TOY STORY JOSIE	USA 138641771						
OWN GOLD LUCILLE	DNK 6257702752						
OXBOW-VALLEY DESTRY MYSTERY	USA 71753497					C	
OXBOW-VALLEY RL PROMISE-RED	USA 71753495	C					2