

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

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	N&L WB EMMO-ET	NLD 884122878						
1HO05515	N-S-NU-DIMENSION DENVER-ET	USA 120265620						
	N-SPRINGHOPE 3825 P-RED-ET	USA 71118673						
	N-SPRINGHOPE 3828 P-RED-ET	USA 71118676						1
	N-SPRINGHOPE ARMITAG YOU-ET	USA 71718462						
	N-SPRINGHOPE ARMITAGE YU-ET	USA 71718464						
	N-SPRINGHOPE ARMITG YAY-ET	USA 71118744						
	N-SPRINGHOPE ARMTG YEW-ET	USA 71118741						
	N-SPRINGHOPE AVERY CARL-ET	USA 71118696			C			1
	N-SPRINGHOPE AVERY CHRIS-ET	USA 71118695			C			1
	N-SPRINGHOPE BECON GORDY-ET	USA 70083512	C				C	
	N-SPRINGHOPE BELUGA 2222	USA 73523784			C			
	N-SPRINGHOPE BOMBERO 2448	USA 74251322						
	N-SPRINGHOPE BRONC GENE-ET	USA 70083574			C			1
	N-SPRINGHOPE BRONCO GIL-ET	USA 70083573						
	N-SPRINGHOPE C 3823-RED-ET	USA 71118671						
	N-SPRINGHOPE C 3826-RED-ET	USA 71118674						1
	N-SPRINGHOPE COLT MIKE-ET	USA 71118694						
29HO16616	N-SPRINGHOPE COSTELLO-ET	USA 71118663						
	N-SPRINGHOPE DEAN 2039	USA 72282220						
29HO14005	N-SPRINGHOPE DEASON	USA 65338079						
	N-SPRINGHOPE DEFENDER 2297	USA 74361634						
	N-SPRINGHOPE DEFENDER 2422	USA 74251296						
	N-SPRINGHOPE DOBERMAN COP	USA 71118714						
	N-SPRINGHOPE EPIC MOMENT	USA 71718498						
	N-SPRINGHOPE FACEBK MEMO-ET	USA 71718480						
	N-SPRINGHOPE G CHIP ART	USA 71718526	C					
	N-SPRINGHOPE HALOGEN 2241	USA 73523803						
	N-SPRINGHOPE HALOGEN 2290	USA 74308863						
	N-SPRINGHOPE HALOGEN 2445	USA 74251319						
	N-SPRINGHOPE HILL CASEY-ET	USA 71118660						
	N-SPRINGHOPE HILL CHASE-ET	USA 71118661						
29HO16802	N-SPRINGHOPE HILL COCOA-ET	USA 71718467						
	N-SPRINGHOPE HILL COOLER-ET	USA 71718469						
	N-SPRINGHOPE JACEY 2155-ET	USA 72834356						
	N-SPRINGHOPE JACEY 2162	USA 72834363			C			
	N-SPRINGHOPE JACKMN 2135-ET	USA 72834336						1
	N-SPRINGHOPE JACKMN 2136-ET	USA 72834337						
	N-SPRINGHOPE JACKMN 2139-ET	USA 72834340						
	N-SPRINGHOPE JACKMN 2213-ET	USA 73523775						1
	N-SPRINGHOPE JAYDEN 2188-ET	USA 73523750						
	N-SPRINGHOPE JAYDEN 2189-ET	USA 73523751					C	
	N-SPRINGHOPE JAYDEN 2209-ET	USA 73523771						
	N-SPRINGHOPE KOOL SHADE-ET	USA 71718497					C	
	N-SPRINGHOPE KRSTOF MORN-ET	USA 72282192						

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	N-SPRINGHOPE LITHIUM 2051	USA 72282232						
	N-SPRINGHOPE M-O-SHAN 2153	USA 72834354						
	N-SPRINGHOPE MAYCO 2474	USA 74251348						
	N-SPRINGHOPE MCCUT 2062-ET	USA 72282243						
	N-SPRINGHOPE MCCUT 2069-ET	USA 72282250						
	N-SPRINGHOPE MOGUL CHANCE	USA 71718536						
	N-SPRINGHOPE MOGUL MAX-ET	USA 71718546						
	N-SPRINGHOPE MOGUL MIMIC-ET	USA 71718551			C			
	N-SPRINGHOPE MOGUL MOTTO-ET	USA 71718541						
	N-SPRINGHOPE MONTROSS 2466	USA 74251340						
	N-SPRINGHOPE MRDN YELL-ET	USA 71718521						
	N-SPRINGHOPE MRIDIAN YAN-ET	USA 71718507						
	N-SPRINGHOPE MRIDIAN YEA-ET	USA 71718519						
	N-SPRINGHOPE MRIDIAN YU-ET	USA 71718518						
	N-SPRINGHOPE NIAGRA AMMO-ET	USA 70083517						
	N-SPRINGHOPE NIAGRA ART-ET	USA 70083522						
	N-SPRINGHOPE NOMINEE 2270	USA 74089327						
	N-SPRINGHOPE O-STYLE MAZE	USA 71118708			C			
	N-SPRINGHOPE OLEGANT LEON	USA 71718502						
	N-SPRINGHOPE OLEGNT 2044-ET	USA 72282225						
	N-SPRINGHOPE PETRON 2001-ET	USA 72282182					C	
	N-SPRINGHOPE PETRON 2004-ET	USA 72282185					C	
	N-SPRINGHOPE PETRON 2009-ET	USA 72282190					C	
	N-SPRINGHOPE PETRON 3997-ET	USA 71718556						
	N-SPRINGHOPE PRDESTINE 2151	USA 72834352						3
	N-SPRINGHOPE R2 2029	USA 72282210					C	
	N-SPRINGHOPE R2 2047-ET	USA 72282228	C					
	N-SPRINGHOPE R2 2048-ET	USA 72282229						
	N-SPRINGHOPE R2 2049-ET	USA 72282230						
	N-SPRINGHOPE R2 2052-ET	USA 72282233						
	N-SPRINGHOPE RACER 2415	USA 74251289						
	N-SPRINGHOPE REFLEC 2521-ET	840003130999897						
	N-SPRINGHOPE RICH GERRY	USA 70083564						
	N-SPRINGHOPE SANCHEZ GABE	USA 66962198						1
	N-SPRINGHOPE SANDY GIBBS-ET	USA 66962187	C					
	N-SPRINGHOPE SILVER 2535-ET	840003130999911						
	N-SPRINGHOPE SILVER 2538-ET	840003130999914						
	N-SPRINGHOPE SILVER 2539-ET	840003130999915						
	N-SPRINGHOPE SILVER 2542-ET	840003130999918						
	N-SPRINGHOPE SSIRE 2089	USA 72282270						
	N-SPRINGHOPE SUDAN 2038-ET	USA 72282219						
	N-SPRINGHOPE SUDAN 2045-ET	USA 72282226						
	N-SPRINGHOPE TANGO 2202	USA 73523764						
	N-SPRINGHOPE TANGO 2296	USA 74361633		C				
	N-SPRINGHOPE TRIG 2030-ET	USA 72282211						

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	N-SPRINGHOPE TRIG SWEET-ET	USA 71718549					C	
	N-SPRINGHOPE TRIGGR SALT-ET	USA 71718545					C	
	N-SPRINGHOPE UNO 2037-ET	USA 72282218						
	N-SPRINGHOPE UNO 2090-ET	USA 72282271						
	N-SPRINGHOPE WATSN CORY-ET	USA 71118735			C		C	
	N-SPRINGHOPE YOSEMITE-ET	USA 71718516						
	N-SPRINGHOPE YOWZA 2176	USA 73523738						
	N-SPRINGHOPE YOWZA 2195	USA 73523757						
1HO11621	N-SPRINGHOPE YOWZA YAMMERS	USA 73523754						
29HO16935	N-SPRINGHOPE YUNA	USA 71718486	C					
14HO02770	NA-LAR BELLWOOD KELLY	USA 2286846						
1HO05477	NA-LAR CHARM KENDEL-TCG-ET	USA 120185531						
	NA-LAR DEFENDER DIABLO	840003013663970						
7HO12682	NA-LAR DEFENDER NEPTUNE	840003013663955						
1HO05474	NA-LAR KEYSTONE-TCG-ET	USA 120185513						
	NA-LAR MONTROSS AUSTIN	840003013664026						
	NA-LAR MONTROSS NIGHTRUNNER	840003013664097						
	NA-LAR PRENTICE VINSON-TW	840003005373406						
	NA-LAR PRENTICE VIRGIL-TW	840003005373407						
	NA-LAR YODER NIGHTRIDER-ET	840003013664073						
	NA-LAR YODER NIGHTVISION-ET	840003013664095						
	NABHOLZ ARMANI 112-ET	USA 72990545						1
	NABHOLZ ARMANI 113-ET	USA 72990546						1
94HO00900	NABHOLZ LIGHTENING-RED-ET	USA 72990544						
14HO05278	NAGELS POTTER PRIORITY	USA 136648110						
	NAPPONIA LINDYTATION-ET	CAN 6226488						
	NARLO JOYC	FRA 3597039275						
11HO11527	NASH-ACRES ALTAPAYDAY-ET	USA 72606786						
11HO11746	NASH-ACRES ALTAPREPAY-ET	840003130431975						
	NASH-ACRES BOYOBOY 951	USA 70933212						
	NASH-ACRES FACEBOOK 947	USA 70933208						
	NASH-ACRES GALAXY 150	USA 72606796						
	NASH-ACRES GILBY 956	USA 70933217						
	NASH-ACRES GILBY 988	USA 70933249						
	NASH-ACRES GOLD CHIP 968	USA 70933229						
	NASH-ACRES JACKMAN 132	USA 72606778			C			
	NASH-ACRES LEAF 205-ET	840003130431977						
	NASH-ACRES LITHIUM 121	USA 72606767						
	NASH-ACRES MCCUTCHEN 102	USA 72606748						
	NASH-ACRES NUMBER ONE 995	USA 70933256						
	NASH-ACRES NUMER UNO 141-ET	USA 72606787						
	NASH-ACRES NUMER UNO 142-ET	USA 72606788						
	NASH-ACRES NUMERO UNO 147	USA 72606793						
	NASH-ACRES OAK 136-ET	USA 72606782						
	NASH-ACRES SHAN 133	USA 72606779						

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	NASH-ACRES SHAN 134	USA 72606780						
	NASH-ACRES SILVER 212	840003130431984						
	NASH-ACRES SPRING 201-ET	840003130431973						
	NASH-ACRES SPRING 206-ET	840003130431978						
	NASH-ERB DEFENDER 184	USA 72606830					C	
	NASH-ERB EPIC 966	USA 70933227						
	NASH-ERB LARGE BRIGADIER	USA 70933228						
	NASH-ERB LITHIUM 101	USA 72606747						
	NASH-ERB MOGUL 994	USA 70933255						
	NASH-ERB PETRONE 969-ET	USA 70933230						
	NASH-ERB PETRONE BROOKES-ET	USA 70933232					C	
21HO01801	NATZKE CLEITUS FIRECRACKER-ET	USA 2081659						
	NAUGHTAVEEL SAILING REX	USA 73985560						
147HO02227	NAULY ALLISTER-ET	CAN 105505863						
200HO05020	NAULY WIDE BOY-ET	CAN 101072673						
147HO02213	NAULY WILBROD	CAN 104522160					C	
	NAULY WILFRED	CAN 102243115						
	NAVS ACTIV CLARRIDGE-ET	USA 66631901						
11HO09808	NAVS ALTAFRANCO-ET	USA 62821520	C					
	NAVS ARMSTEAD S10437-ET	USA 66631906						
	NAVS ATLANTIC S10656-ET	USA 69314900						
	NAVS ATLANTIC SHADY-ET	USA 69314856						
	NAVS BW D MOTOR	USA 71455239						
29HO14381	NAVS BX CARLTON-ET	USA 64482091						
29HO14960	NAVS CARLISLE-ETS	USA 66631902						
7HO10310	NAVS CBY CLOUT	USA 64482093						
29HO16166	NAVS CHAMP SHAMAN-ET	USA 69314896						
	NAVS COUPON PLAN-ET	USA 68851082						
7HO10130	NAVS MAC FASTTRACK-ET	USA 62970586					C	
	NAVS MR MONTROSS SEAMAN	USA 143153427						
76HO00645	NAVS ODDBALL-ETS	USA 66631903						
29HO14881	NAVS PLANET CELSIUS-ET	USA 66631896						
7HO10213	NAVS PR SKULL	USA 64482092						
	NAVS S CHASER-ET	USA 71455228						
	NAVS SANDY COOPER-ET	USA 64572409						
	NAVS SANDY COPPER-ET	USA 64572412						
7HO10265	NAVS SHARI MARICO-ET	USA 64572399						
100HO10624	NAVS SHTL FRANKLIN-ET	USA 62821519	C					
7HO09247	NAVS SHTL FULTON-ET	USA 62821518					C	
	NAVS STEADFAST-ET	USA 64482087						
	NAVS T GALLIANT-ET	USA 71455235		C				
	NAVS-SG BELUGA RIP	840003013235192			C			
	NAVS-SG MERLOT-ET	USA 71455204						
	NAVS-SG ROMEO	840003125327740	C				C	
	NAVS-SG SAUVIGNON-ET	USA 71455198						

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	NAVS-SG SHIRAZ-ET	USA 71455200						
1HO09132	ND PONCHO-ET	USA 137251256						
	ND-DRUVALE A ANCHOR-ET	USA 72638284						
	ND-DRUVALE ALADDIN DODGE	USA 74442400						
	ND-DRUVALE ALADDIN DRAMA-ET	USA 74442399						
	ND-DRUVALE ALADDIN SPIRIT	USA 74442398						
	ND-DRUVALE DAGGER-RED-ET	USA 74442426						1
	ND-DRUVALE DAKR DART-RED-ET	USA 71695456						
	ND-DRUVALE DAKR DAZE-RED-ET	USA 71695448						
	ND-DRUVALE DAKR DIXN-RED-ET	USA 71695450						1
	ND-DRUVALE DANCER DANCIN-RED	USA 71695475						
	ND-DRUVALE DRBL LIAM-RED-ET	USA 71695471						3
	ND-DRUVALE DSTN SCOT-RED-ET	USA 71695462						
	ND-DRUVALE DSTN SISCO-ET	USA 71695464						
	ND-DRUVALE DSTN SUNI-RED-ET	USA 71695463						
	ND-DRUVALE DSTN SYMBOL-ET	USA 72638256						
	ND-DRUVALE DTN LOGIC-RED-ET	USA 71695486						
	ND-DRUVALE ECYNISY FLOZE-ET	USA 71695459						
	ND-DRUVALE GARETT-P-RED-ET	USA 74442395						
	ND-DRUVALE GORDON-RED-ET	USA 72638292						
	ND-DRUVALE HY LAWYER-RED-ET	USA 72638271						
	ND-DRUVALE JB DAKR DAVIS-ET	USA 71695455						
	ND-DRUVALE JB DAKR DODG-ET	USA 71695454						1
	ND-DRUVALE JB DAKR DRAMA-ET	USA 71695447						1
	ND-DRUVALE JB UNO SARGE-ET	USA 71695444						
	ND-DRUVALE JB UNO SOCKET-ET	USA 71695443						
	ND-DRUVALE KINGBY KASPER-ET	USA 74442401						
	ND-DRUVALE NMERUNO BRUNO-ET	USA 72638268						
	ND-DRUVALE OHRE DIESEL-ET	USA 72638283						
	ND-DRUVALE OLYMPN DILLON-ET	USA 72638300						1
	ND-DRUVALE OLYMPN SANCHO-ET	USA 72638295						
	ND-DRUVALE P PACIFIC-RED-ET	USA 74442404						
	ND-DRUVALE S SAXTON-ET	USA 72638277						
	ND-DRUVALE S SIREN-RED-ET	USA 72638281						
	ND-DRUVALE S SMITH-ET	USA 72638279						
	ND-DRUVALE SAN DIEGO RC-ET	USA 72638290						
	ND-DRUVALE SANTARAE-RED-ET	USA 72638278						
	ND-DRUVALE SHOWDWN LOCKE-ET	USA 71695489						1
	ND-DRUVALE SILVER SAXTON-ET	USA 74442421						
	ND-DRUVALE SILVER SYMBOL-ET	USA 74442418						
	ND-DRUVALE SMP SISCO-ET	USA 72638276						
	ND-DRUVALE SMPTC LADD RC-ET	USA 72638266						
	ND-DRUVALE SMPTC LINK RC-ET	USA 72638265						
	ND-DRUVALE SWWN LAZER RC-ET	USA 72638264						1
	ND-DRUVALE UNO LEADER-ET	USA 71695485						

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	ND-DRUVALE UNO LONDON-ET	USA 71695480						
1HO08887	NEA-TOCHT MURPHY JOE	USA 61240235						
	NEARCTIC BROCK-ET	CAN 5547747	C					
	NEARCTIC MODULE-ET	CAN 5678000	C					
	NEARCTIC VALOR	CAN 5564504						
	NEBO-TREE STORM DEREK-ET	USA 63251683						1
14HO02876	NECK-TIE EMERSON-ET	USA 2298493			C			
14HO02751	NECK-TIE NICHOLAS-ET	USA 2286341						
1HO06185	NECKTIE PRESCOTT NED-ET	USA 17278655						
14HO06277	NED-EL ACTIVE SARATOGA	USA 64755102					C	
	NED-EL AIRNET BANKER-ET	USA 70955725						
	NED-EL AIRNET FLUID-ET	USA 70955714						
	NED-EL ALAN TRAVIS	USA 69520895						
	NED-EL ALEXANDER MALIBU-ET	USA 66796310					C	1
1HO06606	NED-EL AMEL GUTHRIE-ET	USA 122679061						
14HO06338	NED-EL ARMSTEAD UPSTATE	USA 64755114						
	NED-EL BEACON CONNEL-ET	USA 69521229					C	
	NED-EL BEACON EASTON-ET	USA 69521232						
29HO16457	NED-EL BEACON FARWELL-ET	USA 69521221					C	
	NED-EL BEACON ROCKET	USA 69521126					C	
	NED-EL BEACON WOODSTOCK-ET	USA 69521220						
	NED-EL BOMBERO HAWK-ET	USA 73708212						
	NED-EL BOOKEM DAN O	USA 69521343						
	NED-EL BOOKEM VALOR	USA 70955494						
	NED-EL BOWSER MAXIMUM	USA 69521082						
1HO10446	NED-EL BOWSER WOLFGANG-TW	USA 66796601						
1HO06269	NED-EL CARVEL BLUE BELL-ET	USA 17331915	C					
14HO03032	NED-EL CARVEL CONTRAST	USA 17348669	C					
1HO06316	NED-EL CARVEL GUSTO-ET	USA 17331918						
1HO06257	NED-EL CARVEL OAK-ET	USA 17331927						
14HO06618	NED-EL CHAMP MOLINE-ET	USA 66796508					C	
	NED-EL DOBERMAN JIMMY-ET	USA 69521254						
	NED-EL DOBERMAN SPIKE-ET	USA 69521252						
	NED-EL DORCY IRISH	USA 69521084					C	
1HO11002	NED-EL ECOYNE ISY DALHART	USA 70955561						
1HO06330	NED-EL FORMATION LUTHER-ET	USA 18029076						
7HO06078	NED-EL FORMATION SCANDAL-ET	USA 121227225						
1HO06429	NED-EL FORMATION THRILL-ET	USA 121684118	C					
14HO03012	NED-EL FRENCH CONNECTION-ET	USA 17224576						
1HO06206	NED-EL FRENCH RIVIERA-ET	USA 17224574						
1HO06321	NED-EL GRANITE MASTER-ET	USA 121227270						
	NED-EL IOTA JULIAN-ET	USA 69521311						
	NED-EL IOTA LUCIAN-ET	USA 69521314						
14HO06977	NED-EL IOTA STUDLEY-ET	USA 69521239						
	NED-EL JIVES INSPIRE-ET	USA 70955527						

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	NED-EL JIVES NEAL-ET	USA 70955520						
	NED-EL JIVES NEON-ET	USA 70955526						
	NED-EL JIVES ROAR-ET	USA 70955516						
	NED-EL LATROY BONUS	USA 70955509						
	NED-EL MAN-O-MAN 7153 EARL	USA 70955450		C				
1HO10296	NED-EL MAN-O-MAN BOYBOY-ET	USA 66796464						
	NED-EL MAN-O-MAN ZAZU-ET	USA 66796475					C	
1HO10409	NED-EL MAN-O-MAN ZEKI-ET	USA 66796480						
14HO06578	NED-EL MAN-O-MAN ZENONS-ET	USA 66796478					C	
	NED-EL MAN-O-MAN ZION-ET	USA 66796477					C	
	NED-EL MAN-O-MAN ZORRO-ET	USA 66796476					C	
	NED-EL MAN-O-MAN ZUES-ET	USA 66796473					C	
	NED-EL MEGA-MAN 6079	USA 66796107						
29HO16582	NED-EL MENTOR-ET	USA 70955403					C	
	NED-EL MERLIN TRICKSTER	USA 69520892						
	NED-EL MICK BOOTH	USA 70955593						
	NED-EL MORGAN 7870	USA 72251032						
	NED-EL NIFTY 6125	USA 66796153						
	NED-EL NUMERO UNO 7883	USA 72251045						
14HO07323	NED-EL NUMERO UNO IDOL	USA 70955847						
	NED-EL O-STYLE 7162-ET	USA 70955459						
	NED-EL O-STYLE 7165-ET	USA 70955462			C			
	NED-EL O-STYLE 7166-ET	USA 70955463			C			
29HO16576	NED-EL O-STYLE MAFIA-ET	USA 70955411						
	NED-EL O-STYLE MARCUS-ET	USA 69521351						
14HO07593	NED-EL OAKLEY 8033	USA 72251195						
	NED-EL PALERMO HANS-ET	USA 69521294						
7HO11794	NED-EL PALERMO HARVEY-ET	USA 69521292					C	
	NED-EL PALERMO RAGE	USA 69521136	C					
	NED-EL PLANET 7970	USA 72251132						
29HO14338	NED-EL R CLIFFORD	USA 64167461					C	
	NED-EL R2 MAGNAR	USA 70955535						
1HO06428	NED-EL RUDOLPH LEADER-ET	USA 121207584						
	NED-EL SANDY ZANE-ET	USA 66796163					C	
29HO14754	NED-EL SANDY ZENON-ET	USA 66796187					C	
	NED-EL TANGO 7979	USA 72251141		C	C			
	NED-EL TASTIC ALCANDOR	USA 69520958						
	NED-EL UNO CORNELL 7922	USA 72251084						
	NED-EL YING YANG 8309	USA 73708224						
29HO13514	NED-EL ZEELAND-ET	USA 62057413					C	
29HO13570	NED-EL ZODIAC-ET	USA 62780513					C	
	NED-EL-A ALAN 6595	USA 66796623						
	NED-EL-A BAMA 2463-RED	840003011881434						
11HO06969	NEDERHORST DARWIN	NLD 284985758						
21HO01284	NEEDLE-LANE HI-LITE	USA 2005442			C			

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179HO00063	NEEDLE-LANE OHLMAN	USA 136835239			C			
	NEERDUIST DG CHUNO	NLD 714258591						
	NEHLS-VALLEY EFFORT-ET	USA 124674772			C			
1HO05070	NEHLS-VALLEY MONTANA-RED-ET	USA 2296586						
	NEHLS-VALLEY MVP-RED-ET	USA 17299750						
	NELDELL NIFTY NEWPORT	USA 66504958						
	NELS-VALE V APLE LUCIAN-RED	USA 73851305						
	NET-A-WAY ALCHEMY LATIN-RED	USA 142102080						1
	NET-A-WAY ALCHMY SYMBOL-RED	USA 142103120						
	NET-A-WAY ALCMY CHEMIST-RED	USA 142103111						1
	NET-A-WAY CH LUCKY-P-RED-ET	USA 142128343						
	NET-A-WAY CHG LUCCA-RED-ET	USA 142128334						
	NET-A-WAY COLT P SNIPER-RED	USA 141667892						1
	NET-A-WAY COLT PECOS-RED	USA 141816447						
1HO06788	NET-A-WAY CONVINCER SCOUT	USA 129625120						
	NET-A-WAY D SUNDANCE-RED-ET	USA 141457909		C				4
7HO09898	NET-A-WAY ELAYO PELE-RED-ET	USA 139043905						
	NET-A-WAY ELY PLAYDO-RED-ET	USA 138818373						
	NET-A-WAY LB PLAYBOY-RED-ET	USA 140054886						
	NET-A-WAY LN KING VIKING-ET	USA 140054925						
	NET-A-WAY LNBOY CALIBER-RED	USA 139809156						
	NET-A-WAY MOGUL PLYMOUTH-ET	USA 142410345						
1HO08589	NET-A-WAY OMAN POMPEI-ET	USA 135372777			C			
14HO04110	NET-A-WAY ORION SCOOP-ET	USA 132337775						
	NET-A-WAY PEMBROK CYPHER-ET	USA 141032128						
29HO13011	NET-A-WAY PILOT-ET	USA 135372786						
1HO07052	NET-A-WAY PRIMER CRI-ET	USA 60475811						
	NET-A-WAY SHAMROCK RHYS-ET	USA 142083305						
	NET-A-WAY SHOTTLE SAINT	USA 140343362						
	NET-A-WAY SPEARMINT PULSAR	USA 140406544						
7HO09064	NET-A-WAY SS PAXTON-RED-ET	USA 136878173						
	NET-A-WAY SSI PMBK CONAN-ET	USA 68997634			C			
	NET-A-WAY-A MBRN CAMARO-RED	840003005567746						3
	NET-A-WAY-A SHL CASPIAN-ET	USA 139569982					C	1
	NET-A-WAY-KP CAIRO-RED-ET	USA 140054970						1
29HO12665	NETHANVALE MEL	GBR 631798					C	
11HO37018	NETHERWOOD CRUSTYCRAB-ET	AUS H01462374						
203HO00585	NEU-BUTTKE POTTER AIM-ET	USA 137251809						
	NEU-WAY ACE CAL-ET	USA 140323313						
200HO04718	NEU-WAY ADMAN-ET	USA 130772509						
200HO02761	NEU-WAY AIRPORT-ET	USA 141034625						
29HO10666	NEU-WAY ALBANY-ET	USA 130772527						
200HO04675	NEU-WAY ALBERT-ET	USA 129348607						
7HO11261	NEU-WAY ALBOXER-ET	USA 140843901						
7HO10837	NEU-WAY ALDON	USA 140323331						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NEU-WAY ALEX-ET	USA 140323322						1
200HO05195	NEU-WAY ALISTER-ET	USA 133997680	C					
203HO00583	NEU-WAY ALLIED-ET	USA 131112711						
11HO07895	NEU-WAY ALLOU-ET	USA 132927062						
29HO11081	NEU-WAY AMAZE-ET	USA 132472843						
29HO11547	NEU-WAY AMBLING	USA 134269029						1
200HO01635	NEU-WAY AMBOY-ET	USA 131214105						
200HO05389	NEU-WAY AMPER-ET	USA 136430836						1
29HO14168	NEU-WAY ASPEN-ET	USA 139282487						
29HO14169	NEU-WAY AUGGIE-ET	USA 139282496			C			
29HO13349	NEU-WAY BOLIVER ALIGN-ET	USA 62175787						
	NEU-WAY BOXER ALE-ET	USA 141034643						
	NEU-WAY BOXER ALL-ET	USA 141034661						
	NEU-WAY BOXER ALLE-ET	USA 141034634						
7HO06769	NEU-WAY BUBBA LOU-ET	USA 129309383	C					
	NEU-WAY J CAL	USA 141657738						
29HO10196	NEU-WAY MANFRED ALTER	USA 127050201						
14HO03084	NEU-WAY MO MARK-ET	USA 17317509						
	NEU-WAY NIAGRA	USA 141786773			C			
	NEU-WAY NIGEL	USA 141657747						
	NEU-WAY O CAL-ET	USA 141657729						
14HO03063	NEU-WAY PATRON ADAM-ET	USA 17216850						
	NEU-WAY RC TRIG AVENGER-ET	USA 70505295			C			
	NEU-WAY RCH JORDAN BOMBARD	USA 71201029						
	NEU-WAY RCH OBSERVER OZ-ET	USA 71823663						
7HO08871	NEU-WAY T ALDER-ET	USA 136430863						1
7HO08870	NEU-WAY TALENT ELROY-ET	USA 136421979						
203HO00586	NEU-WAY TY AL-ET	USA 137251667						1
	NEUDAY GARRISON	CAN 6459172						
	NEUDAY OUTLINE-TW	CAN 9198366		C				
	NEV-R-DUN 4228 EARNHART	840003131197179						
	NEVER-DULL EPIC JOURNEY	USA 71053479						
	NEVER-DULL SHAMROCK BIG JD	USA 71053460	C					
	NEW-DAY APOLL RAINOR-RED-ET	840003134405659		C				
	NEW-DIRECTION SAILOR-ET	USA 2133865						
198HO00113	NEW-FARM BRITT PRINCE	ITA 19500393890						
199HO00150	NEW-FARM COLOMBIANO-ET	ITA 19990151044	C		C			
73HO02126	NEW-HEIGHTS BELAIR-ET	USA 2198361						
9HO02302	NEW-LIFE-U ELVIN NEWT-ET	USA 2288051						
	NEW-STAR ABERLIN BRANTLEY	USA 71396738						
29HO13916	NEW-STAR JAGGER	USA 61837976						
	NEW-STAR RICH BENTLEY	USA 69393011						1
	NEW-STAR SUPERBUCK	USA 66041892						
	NEW-TRAD GRANDSLAM-ET	840003130801680						
	NEW-TRAD HOMERUN CAPONE-ET	840003130801679						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO13115	NEW-VISION CHIEF-ET	USA 62062327						
7HO09482	NEW-VISION CORBETT-ET	USA 62827062						
200HO02346	NEW-VISION CORBY-ET	USA 63748274						
14HO05207	NEW-VISION ZV BOLVR RICO-ET	USA 62281429						
200HO02267	NEW-VISION ZV GRADY-ET	USA 62510197						
14HO02693	NEW-VISION-OBR LACER-ET	USA 2271349						
7HO04703	NEW-WEST-II LEVI-ET	USA 2208668						
21HO01825	NEW-WEST-II REX NOLAN-ET	USA 2082635						
21HO01910	NEW-WEST-II REX WINNER-ET	USA 2081798						
	NEWALTA DISTINT BROKER-ET	USA 66015892						
	NEWALTA FIX CAPRICOIN-ET	840003133499548					C	
	NEWALTA MCCUTCH CHEROKEE-ET	USA 72144793						
	NEWALTA MCCUTCHEN CEASAR-ET	USA 72822808						
	NEWALTA SHGLAS GOLDENBOY-ET	USA 72822993						
	NEWALTA SUPLEX CADILLAC-ET	USA 72822802						3
	NEWELL 13 SUPERSIRE-ET	USA 72626556						
	NEWELL 14 SUPERSIRE-ET	USA 72626557						
	NEWELL 15 SUPERSIRE-ET	USA 72626558						
	NEWELL 17 SUPERSIRE-ET	USA 72626559						
	NEWELL 18 SUPERSIRE-ET	USA 72626560						
	NEWELL 19 EARNHARDT P	USA 72751204						
	NEWELL 20 OAK-ET	USA 73293590						
	NEWELL 21 SUPERSIRE-ET	USA 73606887						
	NEWELL 22 COLT 45-ET	USA 73606888						
	NEWELL 23 COLT 45-RED-ET	USA 73606889						1
	NEWELL 24 COLT 45-RED-ET	USA 73606890						1
	NEWELL 25 TANGO-ET	USA 73789026						
	NEWELL 26 OAK	USA 73789027						
	NEWELL 27 TANGO-ET	USA 73789028			C			
	NEWELL 28 HALO SUE-ET	USA 73789029			C			
	NEWELL 29 HALO HEMMY-ET	USA 73789030			C			
	NEWELL 30 SHAKES DIBBLES-ET	USA 73789031						
	NEWELL 3030 SHAMROCK-ET	USA 71681180						
	NEWELL 3032 ARMITAGE-ET	USA 71681182						
7HO12355	NEWELL 3039 KING-P-ET	USA 72110090			C			1
	NEWELL 3040 NUMERO UNO-ET	USA 72267053						
	NEWELL 3041 NUMERO UNO-ET	USA 72267054						
	NEWELL 3042 NUMERO UNO-ET	USA 72267055						
	NEWELL 3045 NUMERO UNO-ET	USA 72513033						
	NEWELL 3046 MAYFIELD-ET	USA 72569542			C			
	NEWELL 3047 NUMERO UNO-ET	USA 72569543						3
	NEWELL 3048 NUMERO UNO-ET	USA 72569544						3
	NEWELL 31 HALO FRANKLIN-ET	USA 73789032			C			
	NEWELL 32 OS MAXIMUS-P-ET	USA 73789033						
	NEWELL 33 OS AUGUSTUS-P-ET	USA 73789034						

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	NEWELL 34 JACKMAN	USA 73789035			C			
	NEWELL 35 KING-P	USA 73789036						
	NEWELL 36 EFFECT P	USA 73789037						
	NEWELL 37 OVERTIME-P-ET	USA 73789038			C			
	NEWELL 38 OVERTIME-P-ET	USA 73789039						
	NEWELL 39 OVERTIME-P-ET	USA 73789040						
	NEWELL 40 OVERTIME-P-ET	USA 73789041			C			
	NEWELL 41 RACER-ET	USA 73789042			C			
	NEWELL 42 RACER-ET	USA 73789043			C			
	NEWELL 43 RACER-ET	USA 73789044			C			
	NEWELL 44 RACER-ET	USA 73789045						
	NEWELL 45 RACER-ET	USA 73789046						
	NEWELL 46 ALRIGHT-ET	USA 73789047						
	NEWELL 47 ALRIGHT-ET	USA 73789048						
	NEWELL 48 ALRIGHT-ET	USA 73789049						
	NEWELL 49 KINGBOY-ET	USA 73789050						
	NEWELL 50 KINGBOY-ET	840003128695787						
	NEWELL 51 KINGBOY-ET	840003128695788			C			
	NEWELL 52 KINGBOY-ET	840003128695789						
	NEWELL 53 KINGBOY-ET	840003128695790			C			
	NEWELL 55 RACER	840003128695792						
	NEWELL 56 POWERBALL-P-ET	840003128695793	C					
	NEWELL 57 POWERBALL-P-ET	840003128695794						
	NEWELL 58 POWERBALL-P-ET	840003128695795						
	NEWELL 59 SUPERSHOT-ET	840003128695796						
	NEWELL 60 SUPERSHOT-ET	840003128695797			C			
	NEWELL 61 SUPERSHOT-ET	840003128695798						
	NEWELL 62 SUPERSHOT-ET	840003128695799						
	NEWELL 63 DELTA-ET	840003128695800						
	NEWELL 64 1STCLASS-ET	840003128695801			C			
	NEWELL 65 GAMBLER	840003128695802						
	NEWELL 70 KINGBOY-ET	840003128695807						
	NEWELL 71 SILVER-ET	840003128695808						
	NEWELL 72 SILVER-ET	840003128695809						
	NEWELL 74 GIFIAN-ET	840003128695811	C					
	NEWELL 75 SPRING-ET	840003131737118			C			
	NEWELL 76 GIFIAN-ET	840003131737119						
	NEWELL 77 SILVER-ET	840003131737120						
	NEWELL 78 SILVER-ET	840003131737121						
	NEWELL ERASER 67-ET	840003128695804						
	NEWELL LAUTHORITY 3016	USA 70647875						
	NEWELL SUPERSHOT 68-ET	840003128695805			C			
	NEWELL SUPERSHOT 69-ET	840003128695806			C			
	NEWELL YANO 3024	USA 71670820	C					
	NEWHOUSE ALTAROMANSON	NLD 523613910						

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	NEWHOUSE ALTAYESMAN	NLD 522113527						
	NEWLANDS BOISE	CAN 9367592						
	NEWLANDS EXPRESS	CAN 6149520						
	NEWLANDS JAMARR-ET	CAN 9119083						
73HO02605	NEWLANDS MARCUS	CAN 6276941						
200HO01523	NEWLANDS MARLIN	CAN 9226185						
	NEWLANDS MARVEX-ET	CAN 5734154						
39HO00754	NEWLANDS MILKCHIEF	CAN 6572226						
73HO02398	NEWLANDS MILKYWAY-ET	CAN 5956191						
72HO00604	NEWLANDS MYSTIC-ET	CAN 394485						
	NEWLANDS NIPPER-ET	CAN 6820093	C					
	NEWLIFE-U NORMAN-ET	USA 17110238						
	NEWMARKET CELEBRITY-ET	USA 1929056	C					
1HO06368	NEWMONT INGOT EMPIRE	USA 18011257	C					
7HO06284	NEYER FORMATION 81-ET	USA 120184343						
14HO03155	NEYER JOHNSON MARK-RED-ET	USA 17369359						
11HO05291	NEYER MARVEL-ET	USA 17369373	C					
11HO00513	NEYER METEOR-RED-ET	USA 120183463						
	NF-GEN DIAMOND DRC 67393-ET	840003123611182						
	NF-ST DINA DESIGN 31513-ET	840003126775518						
	NF-ST MAYA DRAC 31484-ET	840003126775489			C			
	NF-ST SYDNEY KB 31479-ET	840003126775484						
	NF-ST YODER 70947-ET	840003123614736						
	NFG-ST BAUER MG 31079-ET	840003126775084						
	NFG-ST DINA 31222-ET	840003126775227						
	NFG-ST SIDNEY 31209-ET	840003126775214						
	NFG-ST SIDNEY CG 31069-TW	840003126775074						
	NFG-ST SIDNEY KB 54942-ET	840003010353689						
	NFG-ST SIDNEY WON 54875-ET	840003010353622			C			
	NH CAPONE-ET	DNK 769963003						
288HO00177	NH FABULOUS-ET	DEU 769578026			C			3
151HO40108	NH FAX-ET	DEU 769757316						
	NH FEARLESS FOX-ET	DEU 355080829						
	NH FORD-ET	DEU 769757312						
151HO04039	NH FUSION-ET	DEU 769527614						
	NH GERONIMO-ET	DEU 769578087						
	NH GILLIGAN-ET	DEU 769578106						
	NH SNOW CHERRY-ET	DEU 769578089						
	NH SNOWIN-ET	DEU 769578081			C			
151HO00596	NH SUBURA-ET	DEU 769578022						3
526HO00002	NIAGARA	NLD 696431207					C	
	NIBBE ASHLAR ALLAN-ET	USA 68995532						
	NIBBE ASHLAR ANDY-ET	USA 68995533						
	NIBBE BAXTER BEN	USA 64407429						
14HO05380	NIBBE BURT BRUCE-ET	USA 52817975						

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	NIBBE CHAMP CHAD-ET	USA 68995545						
	NIBBE CHAMP CHARLIE-ET	USA 68995544						
	NIBBE HANOVER HARRY-ET	USA 68995531						
	NIBBE OTTO N OCONNER-ET	USA 68995538						
	NIBBE PAXTON PETER-ET	USA 68995551						
	NIBBE PAXTON PHIL-ET	USA 68995552						
	NIBBE SANDY SCOTT-ET	USA 64407425						
	NIBBE SHOTTLE STEVE	USA 64407426						
	NIBBE TERMINATOR TIM-ET	USA 64407421		C				
	NIBBE TERMINATOR TOM-ET	USA 64407422		C				
	NIBBE TRIGGER LOWELL-ET	USA 68995554					C	
	NIBBE TRIGGER TOM-ET	USA 68995559						
	NIBBE TRIGGER UNCLE SAM-ET	USA 68995550					C	
	NICLO ALDA BULLET	USA 72563561						
	NICLO CASUAL ATTIRE	USA 72563584						
	NICLO CRANK SHAFT-ET	840003128163130						
	NICLO DADDY O	USA 72563574						
	NICLO DOBERMAN BLUE BOY-ET	USA 70968875						
29HO16543	NICLO DOBERMAN GEORGE-ET	USA 70097999		C				
	NICLO DOBERMAN MR CLEAN-ET	USA 70968900						
	NICLO DOBERMAN MR MOSS-ET	USA 70968876						
	NICLO DOBERMAN PINSCHER-ET	USA 70098002						
	NICLO LITHIUM TEX-ET	USA 71663443						
	NICLO MACK COMET	840003015028626						
14HO04379	NICLO MAGNA FREDDIE-ET	USA 133906846						
	NICLO MASCAL LARRY-ET	840003128163094						
	NICLO MILLION ADAM-ET	USA 66637884						
	NICLO MILLION BUBBA-ET	USA 69101420		C				
	NICLO MILLION BUCKS-ET	USA 66637872						
14HO06496	NICLO MILLION BUCKY-ET	USA 66637881		C				
	NICLO MILLION DUSTY-ET	USA 69101392						
	NICLO MILLION FIREBALL-ET	USA 69101423		C				
14HO06499	NICLO MILLION PISTOLPETE-ET	USA 66637887						
	NICLO MOGUL BERNARD-ET	USA 71663407						
	NICLO MOGUL BUDDY-ET	USA 71663408						
	NICLO NIAGRA BEKINS	USA 70968911						
	NICLO NIAGRA LEROY	USA 69101428						
	NICLO NIFTY PETER	USA 66637818						
1HO09439	NICLO OFFROAD TANK-ET	USA 138069470						
14HO05398	NICLO POTTER JESSE-ET	USA 137232422						
	NICLO SNOWMOBIL SPANKY-ET	USA 72563553						
	NICLO SUPERSIRE GALAXY-ET	840003015028644						
	NICLO YODER CURLY	840003128163096						
1HO06278	NICOLA-RTH BELLWOOD SAM-ET	USA 17339035						
3HO00407	NICOLK ROYAL COMET	USA 1520162						

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3HO00406	NICOLK SUNSHINE BOLD CHIEF	USA 1520161						
	NIERMANN RAMOS MACON-ET	DEU 351764585						
29HO12495	NIERMANN TI HEL TEXAS	DEU 349747180						
1HO06693	NIGH-HEAVEN EDDIE SKIP	USA 128473168						
	NINE-PINES BOOKEM VOLT-ET	USA 141477341						
	NINE-PINES SHAMROK VEGAS-ET	USA 141576152						
	NIPPONIA PRELING-ET	CAN 6150350						
	NIPPONIA STEADY-ET	CAN 6112620						
200HO01255	NIPPONIA SYMBOL-ET	CAN 6913459						
11HO09646	NISLY-GEN ALTATYLER-ET	USA 136665586	C					
100HO11167	NISLY-GEN ATWOOD KYLE	USA 140301634						
	NISLY-GEN DOZER GRIZZLY-ET	840003130383836						
29HO09718	NISQUALLY SVF COOPER-ET	USA 121867393	C					
200HO02570	NITH CREST SPEZZA-ET	CAN 9890149						
	NITH CREST SYMBOL-RED-ET	CAN 9890134						
	NO LIMIT HALO MANNING-ET	840003131565431					C	
	NO LIMIT HALO MCKINLEY-ET	840003131565429					C	
	NO-FLA ABDUCT 37402-ET	840003013072025						
	NO-FLA ABDUL 41296-ET	840003129449413						
	NO-FLA ABDULLAH 41355-ET	840003129449472						
	NO-FLA ACCESS 36409-ET	840003012016873						
	NO-FLA ACCLAIM 32844-ET	840003009976011						
	NO-FLA ACCORD 35299-ET	840003011527248						
	NO-FLA ACTIVATE 35943-ET	840003012016407						
	NO-FLA ACTIVATE 40159	840003126951964						
	NO-FLA ACTUATOR 36731-ET	840003012017195						
	NO-FLA ADJUDICATE 36387-ET	840003012016851						
	NO-FLA ADJUST 31129-ET	840003008608899						
	NO-FLA ADLIB 38699-ET	840003014563537						
	NO-FLA ADMIN 41799-ET	840003129449916						
	NO-FLA ADMIRE	840003006777967						
	NO-FLA ADMIRE 35509-ET	840003011527458						
	NO-FLA ADOLFO 40730-ET	840003126952535			C			
	NO-FLA ADRAIL 42695-ET	840003132344630						
	NO-FLA ADVANCE 36937-ET	840003013071560						
	NO-FLA ADVOCATE 30748-ET	840003008161408						
97HO41011	NO-FLA AERIAL 32423-ET	840003009524624						
	NO-FLA AFFIX 31896-ET	840003009524097						
	NO-FLA AGENT 37435-ET	840003013072058						
	NO-FLA AHEAD 37872-ET	840003014562710						
	NO-FLA ALCHEMY 30279-TW	840003008160939						
	NO-FLA ALERT 32689-ET	840003009524890						
	NO-FLA ALERT 39256	840003125078864						
	NO-FLA ALERT 42723-ET	840003132344658						
	NO-FLA ALEX 41289-ET	840003129449406						

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	NO-FLA ALFA 41650-ET	840003129449767						
	NO-FLA ALLEGE 34572-ET	840003010979545			C			
	NO-FLA ALLEGE 39383	840003125078991						
	NO-FLA ALLOY 29414-ET	840003007939557						
	NO-FLA ALLOY-ET	840003006778151	C					
	NO-FLA ALMA 35734-ET	840003011527683						
11HO11386	NO-FLA ALTAWARE-ET	840003010979199						
11HO11668	NO-FLA ALTABALLOT-ET	840003125079027						
11HO11784	NO-FLA ALTABAYOU-ET	840003129449388						
11HO11385	NO-FLA ALTABISCAYNE-ET	840003010978879						
11HO11342	NO-FLA ALTACOMBO-ET	840003009976283						
11HO11416	NO-FLA ALTACONTRACT-ET	840003011526994						
11HO11749	NO-FLA ALTACRAIG-ET	USA 73753400			C			
11HO11343	NO-FLA ALTACRUISE-ET	840003009976321						
11HO11198	NO-FLA ALTADANNO-ET	840003008160958						
11HO11413	NO-FLA ALTADENIZEN-ET	840003011526808						
11HO11197	NO-FLA ALTADUBLIN-ET	840003008820742						
11HO11391	NO-FLA ALTAEDITION-ET	840003010979251						
11HO11448	NO-FLA ALTAENTRY-ET	840003011527369						
11HO10565	NO-FLA ALTAEPILOGUE-ET	USA 66087072			C			
11HO11100	NO-FLA ALTAEVERGLADE-ET	840003006559787						
11HO11747	NO-FLA ALTAEXEMPLAR-ET	840003129449398						
11HO11740	NO-FLA ALTAFACET-ET	840003129449252						
11HO11650	NO-FLA ALTAFIREUP	USA 73752884						
11HO11748	NO-FLA ALTAGENEROUS-ET	840003126952351						
11HO11389	NO-FLA ALTAGENUITY-ET	840003009976647						
11HO11517	NO-FLA ALTAHI-C-ET	840003013072255						
11HO11601	NO-FLA ALTAHIFASHN-ET	840003125078468						
11HO11669	NO-FLA ALTAJONAH	USA 73752888						
11HO11247	NO-FLA ALTAKEEN-ET	840003008609231						
11HO11344	NO-FLA ALTALITIGATE	840003009976342						
	NO-FLA ALTANICHE-ET	USA 66087044						
11HO11388	NO-FLA ALTANOTARY-ET	840003010979182						
11HO11792	NO-FLA ALTANOVEL-ET	840003129449671						
11HO11414	NO-FLA ALTAPOSSESS	840003011527159						
11HO10398	NO-FLA ALTAPROVISO-ET	USA 64455113						
11HO11412	NO-FLA ALTAPYRAMID-ET	840003010979663						
11HO10397	NO-FLA ALTAREBATE-ET	USA 64455169						
11HO11248	NO-FLA ALTAREFUGE-ET	840003009524055						
11HO11603	NO-FLA ALTAREMAND-ET	840003014563630						
11HO10904	NO-FLA ALTAREMOTE-ET	840003006778167						
11HO11390	NO-FLA ALTAREQUEST-ET	840003010979253						
11HO11301	NO-FLA ALTAROTHMAN-ET	840003009524865						
11HO11449	NO-FLA ALTARSVP-ET	840003011527540						
11HO11249	NO-FLA ALTASECURE-ET	840003009524006						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
11HO11549	NO-FLA ALTASHOCK	USA 73163134						
11HO11518	NO-FLA ALTASTEIN-ET	840003013072281						
11HO11300	NO-FLA ALTASTRATEGY-ET	840003009524733						
11HO11387	NO-FLA ALTASUNSHINE-ET	840003010978847						
11HO11146	NO-FLA ALTAUNESCO-ET	840003007939551						
11HO11602	NO-FLA ALTAUPBEAT-ET	840003125078485						
11HO11548	NO-FLA ALTAVANITY	USA 73162996						
11HO11415	NO-FLA ALTAVENDOR-ET	840003011527124						
11HO11481	NO-FLA ALTAVINO-ET	840003011527649						
	NO-FLA ALTER 30039-ET	840003008160699						
	NO-FLA AMAZE 32548-ET	840003009524749						1
	NO-FLA AMAZE 39424	840003125079032						
	NO-FLA AMBUSH 33780-ET	840003009976947						
	NO-FLA AMNESTY 29968-ET	840003008160628						
	NO-FLA AMNESTY 34189-ET	840003010979162						
	NO-FLA AMPLE 41660-ET	840003129449777						
	NO-FLA ANALOG 37531-ET	840003013072154						
	NO-FLA ANALYST 30179-ET	840003008160839						
	NO-FLA ANDERSON 80091	USA 72539019						
	NO-FLA ANDRE 40909	840003129449026						
	NO-FLA ANGELO 41374-ET	840003129449491						
	NO-FLA ANGLER 33103-ET	840003009976270						
	NO-FLA ANGLER 39407-ET	840003125079015						
	NO-FLA ANNUITY 29974-ET	840003008160634						
	NO-FLA APPRAISE 35439-ET	840003011527388						
	NO-FLA ARCHIVE 36415-ET	840003012016879						
	NO-FLA ARCHIVE 39724	840003125079332						
	NO-FLA ARISE 34527-ET	840003010979500						
	NO-FLA ARMEND 42994-ET	840003133886977						
	NO-FLA ARTURO 39543	840003125079151						
	NO-FLA ASSAY 27764-ET	840003006778671						
	NO-FLA ASSAY 38026-ET	840003014562864						
	NO-FLA ASSESS 31798-ET	840003008609568						
	NO-FLA ASSESS 32771-ET	840003009524972						
	NO-FLA ASSESS 39098-ET	840003125078706						
29HO16391	NO-FLA ASSESS-ET	840003008160765						
	NO-FLA ASSET 31016-ET	840003008608786						
	NO-FLA ASSET 39677	840003125079285						
	NO-FLA ASTOUND 34886-ET	840003011526835						
1HO11676	NO-FLA ASTOUND-ET	840003125079219						
	NO-FLA ATLAST 33836-ET	840003010978809						
	NO-FLA ATTRACT 34891-ET	840003011526840						
	NO-FLA ATTRACTION 35880-ET	840003012016344			C			
	NO-FLA AUDIT-ET	840003006776212						
	NO-FLA AUSTEN 42189-ET	840003132344124						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA AVENGER 38487-ET	840003014563325						
	NO-FLA AVERSION 37712-ET	840003013072335						
	NO-FLA AWARD 35966-ET	840003012016430						
	NO-FLA AWARD 41776-ET	840003129449893						
	NO-FLA BACKUP 36890-ET	840003013071513						
	NO-FLA BACKUP 39750-ET	840003125079358						
	NO-FLA BACKUP 42102-ET	840003132344037						
	NO-FLA BAILIFF 29973-ET	840003008160633						
	NO-FLA BALISTO RUDY 82135	USA 74701125						
	NO-FLA BALLAD-ET	840003006777895						
	NO-FLA BALLISTIC 34574-ET	840003010979547			C			
	NO-FLA BALLOT 34264-ET	840003010979237						
1HO11647	NO-FLA BARCLAY	840003125078950			C			
	NO-FLA BARCLAY 34544-ET	840003010979517						
	NO-FLA BARRIER 36896-ET	840003013071519						
	NO-FLA BARTOW 38430-ET	840003014563268						
	NO-FLA BASELINE 28889-ET	840003006559578						
	NO-FLA BASIC 35893-ET	840003012016357						
	NO-FLA BASIS 34502-ET	840003010979475						
	NO-FLA BASTOGNE 41566-ET	840003129449683						
	NO-FLA BAYARD 41045-ET	840003129449162						
	NO-FLA BAYLOR 81053-TW	USA 73752849						
	NO-FLA BAYONET WADE 82354	USA 74701344						
566HO01222	NO-FLA BE GOOD-ET	840003014562847						
	NO-FLA BELTWIDE 37120-ET	840003013071743						
	NO-FLA BENEFIT 29576-ET	840003007939719						
	NO-FLA BENZ 35314-ET	840003011527263						
	NO-FLA BILLY JOE 40816	840003129448933						
	NO-FLA BIOLOG 38041-ET	840003014562879						
	NO-FLA BLAIN 42460-ET	840003132344395						
	NO-FLA BLAIN 42934-ET	840003133886917						
	NO-FLA BLAIN 43108-ET	840003133887091						
	NO-FLA BLAKE 41866-ET	840003132343801						
	NO-FLA BLAKE 81803	USA 73753599						
	NO-FLA BLEND 33966-ET	840003010978939						
566HO01211	NO-FLA BLENDER 35901-ET	840003012016365			C			
	NO-FLA BLOG 37819-ET	840003014562657						
	NO-FLA BOLSTER 31582-ET	840003008609352						
	NO-FLA BOLSTER 38950-ET	840003125078558						
	NO-FLA BOOST 31737-ET	840003008609507						
	NO-FLA BOOST 34577-ET	840003010979550						
	NO-FLA BORNRIGHT-ET	USA 66087460						
	NO-FLA BORON 41630-ET	840003129449747						
	NO-FLA BOXER ELLIS 34586-ET	840003010979559						
	NO-FLA BRACKET 33787-ET	840003009976954						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA BRADON 40966-ET	840003129449083						
11HO11757	NO-FLA BRADON 81404	USA 73753200						
	NO-FLA BRAELIN 43194-ET	840003133887177						
	NO-FLA BRAND 37026-ET	840003013071649						
	NO-FLA BRAND 39737	840003125079345						
	NO-FLA BRAND 42915-ET	840003133886898						
	NO-FLA BRANT 41932-ET	840003132343867						
	NO-FLA BRAUN 42975-ET	840003133886958						
	NO-FLA BREW 35563-ET	840003011527512	C					
	NO-FLA BREW 39349	840003125078957						
	NO-FLA BRICE 42783-ET	840003132344718						
	NO-FLA BRIGADE 35491-ET	840003011527440						
	NO-FLA BRUTUS 36992-ET	840003013071615						
	NO-FLA BRYAN 41090	840003129449207						
	NO-FLA BUCKLE 37021-ET	840003013071644						
	NO-FLA BUDGET 31017-ET	840003008608787						
14HO07059	NO-FLA BUFFER 31540-ET	840003008609310						
	NO-FLA BUFFER 37897-ET	840003014562735						
	NO-FLA BUYOUT 39008-ET	840003125078616						
	NO-FLA BUZZER 38488-ET	840003014563326						
	NO-FLA CABANA 35425-ET	840003011527374						
	NO-FLA CABANA 40516-ET	840003126952321						
	NO-FLA CABANA 81915	USA 73753711						
	NO-FLA CADE 42005-ET	840003132343940						
	NO-FLA CADE 81220-ET	USA 73753016						
	NO-FLA CAESAR-ET	USA 66652376						
	NO-FLA CAIN 42310-ET	840003132344245						
	NO-FLA CALDERUN 34536-ET	840003010979509						
	NO-FLA CAMERON MARENGO-ET	840003009976828						
	NO-FLA CAMO 33751-ET	840003009976918						
	NO-FLA CARBIDE 33546	840003009976713						
	NO-FLA CARBIDE 40055	840003126951860						
	NO-FLA CARDIO 32205-ET	840003009524406						
	NO-FLA CARTEL 33214-ET	840003009976381						
	NO-FLA CASANOVA 38257-ET	840003014563095						
	NO-FLA CASUAL 34967-ET	840003011526916						
	NO-FLA CATER-ET	840003006776219						
	NO-FLA CAUSE 37714-ET	840003013072337						
	NO-FLA CECILIO 43070-ET	840003133887053						
	NO-FLA CELLO 42893-ET	840003133886876						
	NO-FLA CENSUS 29757	840003007939900						
153HO00133	NO-FLA CEO 29416-ET	840003007939559						
	NO-FLA CEO 80122	USA 72539050						
	NO-FLA CERTIFY 29646-ET	840003007939789		C				
	NO-FLA CHAISE 41377-ET	840003129449494						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA CHAISE 90036-ET	USA 74700526						
	NO-FLA CHANTON 41427-ET	840003129449544						
	NO-FLA CHANTON 81785	USA 73753581						
	NO-FLA CHAOS 31446-ET	840003008609216						
	NO-FLA CHAOS 31744	840003008609514						
	NO-FLA CHAOS-ET	840003006778182						
	NO-FLA CHARISMA 34629-ET	840003010979602						
	NO-FLA CHARISMA 39629-ET	840003125079237			C			
	NO-FLA CHART 37177-ET	840003013071800						
	NO-FLA CHASER ARMAHNY 90063	USA 74700553						
	NO-FLA CHASM 34636-ET	840003010979609						
	NO-FLA CHASM 40179	840003126951984						
	NO-FLA CHASM 40247	840003126952052						
	NO-FLA CHATEAU 34645-ET	840003010979618						
	NO-FLA CHECKUP 37168-ET	840003013071791						
	NO-FLA CHEDDAR 36296-ET	840003012016760						
	NO-FLA CHICO 38079-ET	840003014562917						
	NO-FLA CIRCULATE 36981-ET	840003013071604						
	NO-FLA CIVIC 37024-ET	840003013071647						
	NO-FLA CLAMP 37013-ET	840003013071636						
	NO-FLA CLARIFY 38758-ET	840003014563596						
	NO-FLA CLEANUP 37994-ET	840003014562832						
	NO-FLA CLICHE 35218-ET	840003011527167						
	NO-FLA CLICK 34255-ET	840003010979228						
	NO-FLA CLICKER 37193-ET	840003013071816						
	NO-FLA CLIENT	840003006778572						
	NO-FLA CLIENT 33618-ET	840003009976785						
	NO-FLA CLIENT 39465-TW	840003125079073						
	NO-FLA CLINIC 38046-ET	840003014562884						
	NO-FLA CLIP 33783-ET	840003009976950						
	NO-FLA CLIP 39391-ET	840003125078999						
	NO-FLA CLIPPER 34056-ET	840003010979029	C					
	NO-FLA CLIPPER 81007	USA 73752803						
	NO-FLA CLOSE 36339-ET	840003012016803						
	NO-FLA CLOSE 42122-ET	840003132344057						
	NO-FLA CLOUT 28565-ET	840003007025195						
	NO-FLA COAST 35307-ET	840003011527256						
	NO-FLA COBI 42668-ET	840003132344603						
	NO-FLA CODE 28939	840003006559628						
	NO-FLA CODE 31314-ET	840003008609084						
	NO-FLA COLEMAN 40852-ET	840003129448969						
	NO-FLA COLOGNE 41555-ET	840003129449672						
	NO-FLA COLT 42617-ET	840003132344552					C	
	NO-FLA COLVON 42746-ET	840003132344681						
	NO-FLA COMBINE 33145-ET	840003009976312						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
11HO11755	NO-FLA COMBINE 39483-ET	840003125079091						
200HO10689	NO-FLA COMMISSAR-ET	840003129449659			C			
7HO11133	NO-FLA COMMIT 28544-ET	840003007625174						
	NO-FLA COMMIT-ET	USA 66086796	C		C			
	NO-FLA COMMUTER 38552-ET	840003014563390						
	NO-FLA COMPARE 36522-ET	840003012016986						
	NO-FLA COMPATIBLE-ET	840003006778164			C			
	NO-FLA COMPLAINT 40330	840003126952135						
	NO-FLA COMPLEX 27724-ET	840003006778631			C			
	NO-FLA COMPLEX 32794-ET	840003009524995						
	NO-FLA COMPLIANT 35874-ET	840003012016338						
	NO-FLA COMPLY 34082-ET	840003010979055						
	NO-FLA COMPLY 35222-ET	840003011527171						
	NO-FLA CONCEPT 32502-ET	840003009524703						
	NO-FLA CONCISE 30207-RED-ET	840003008160867						
	NO-FLA CONDO 35306-ET	840003011527255						
14HO07414	NO-FLA CONFIDE 35645-ET	840003011527594						
	NO-FLA CONJURE 35003-ET	840003011526952						
	NO-FLA CONJURE 80940	USA 73163230						
	NO-FLA CONNECT 37930-ET	840003014562768						
	NO-FLA CONQUISITOR-ET	USA 65480976						
	NO-FLA CONSENT 31884-ET	840003009524085						
	NO-FLA CONTACT 35186-ET	840003011527135						
	NO-FLA CONTACT 39908	840003126951713						
	NO-FLA CONTACT 39923	840003126951728						
	NO-FLA CONTRAST 32536-ET	840003009524737						
	NO-FLA CONTRAST 39451	840003125079059						
	NO-FLA CONTRAST 41425-ET	840003129449542						
	NO-FLA CONVERT-ET	840003006778366						
	NO-FLA CONVOY-ET	840003014562745						
	NO-FLA COPE 37818-ET	840003014562656						
	NO-FLA COPE 42611-ET	840003132344546						
7HO10954	NO-FLA CORBIN-ET	840003006778365						
	NO-FLA CORKER 35712-ET	840003011527661						
	NO-FLA CORTEX 35719-ET	840003011527668						
29HO16739	NO-FLA COSMIC-ET	840003009524062						
29HO16777	NO-FLA COUNTER-ET	840003009524289						
200HO10202	NO-FLA COURIER-ET	840003013072056						
	NO-FLA COVER 37171-ET	840003013071794						
	NO-FLA CRACKER 33936	840003010978909						
	NO-FLA CRAFT 34814-ET	840003011526763						
	NO-FLA CRAFT 39452	840003125079060						
	NO-FLA CRATER 38974-ET	840003125078582						
	NO-FLA CREATE 30094-ET	840003008160754						
	NO-FLA CRUISE 32164-ET	840003009524365						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA CRUISER 35890-ET	840003012016354						
	NO-FLA CULTIVATE 37684-ET	840003013072307						
	NO-FLA CURATOR-ET	840003006778619						
	NO-FLA CURRENT 34428-ET	840003010979401						
	NO-FLA CUTAWAY 34918-ET	840003011526867						
	NO-FLA CUTOOUT 36050-ET	840003012016514						3
	NO-FLA CYCLE 34333-ET	840003010979306						
	NO-FLA CYCLER 38061-ET	840003014562899						
	NO-FLA CYCLER 40003	840003126951808						
	NO-FLA CYCLER 41913-ET	840003132343848						
	NO-FLA CYTO 38013-ET	840003014562851						
153HO00104	NO-FLA DAFFY-ET	USA 62536338						
	NO-FLA DALVIN 42029-ET	840003132343964						
	NO-FLA DAMARIS OWSE 90062	USA 74700552						
	NO-FLA DANDRE 41986-ET	840003132343921						
	NO-FLA DANNO 41008-ET	840003129449125						
	NO-FLA DARRAL 42678-ET	840003132344613			C			
	NO-FLA DARRELL 41523-ET	840003129449640						
	NO-FLA DARRELL 41798-ET	840003129449915						
	NO-FLA DATA 33803-ET	840003010978776						
	NO-FLA DATA 39838-ET	840003126951643						
	NO-FLA DAUNT 33668	840003009976835						
	NO-FLA DAUNT 39872	840003126951677				C		
	NO-FLA DAVIAN 41044-ET	840003129449161						
	NO-FLA DAVIAN 42050-ET	840003132343985						
14HO07803	NO-FLA DAYTON-ET	USA 73753416						
	NO-FLA DEADLINE 31409-ET	840003008609179						
	NO-FLA DEBUT 28413-ET	840003007025043						
200HO03857	NO-FLA DEBUT-ET	840003008609210						
	NO-FLA DECOR 36108-ET	840003012016572						
	NO-FLA DECOR 40577-ET	840003126952382						
	NO-FLA DECREE 30036-ET	840003008160696					C	
	NO-FLA DEDUCT 33914-ET	840003010978887						
	NO-FLA DEFINE 29629-ET	840003007939772						
	NO-FLA DEFLECT 37016-ET	840003013071639						
7HO12273	NO-FLA DEFUSE 35099-ET	840003011527048						
	NO-FLA DEFY 38056-ET	840003014562894						
	NO-FLA DELIBERATE 29153-ET	840003006559842					C	
	NO-FLA DELL 41320-ET	840003129449437						
	NO-FLA DELUXE 33505-ET	840003009976672						
	NO-FLA DELUXE 39309-ET	840003125078917						
	NO-FLA DEMO 36961-ET	840003013071584						
	NO-FLA DEMOND 41182-ET	840003129449299						
7HO11134	NO-FLA DEMUR 28545-ET	840003007025175						
	NO-FLA DENY 33841-ET	840003010978814						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA DENY 39533-ET	840003125079141						
	NO-FLA DEPLOY 32699-ET	840003009524900						
	NO-FLA DEPLOY 33834-ET	840003010978807						
	NO-FLA DEPLOY 39329-ET	840003125078937						
	NO-FLA DEPOSE 28459-ET	840003007025089						
29HO17531	NO-FLA DEPOSIT-ET	840003010979447						
	NO-FLA DEPOT 35091-ET	840003011527040						
	NO-FLA DEPOT 39509-ET	840003125079117						
	NO-FLA DEPTH 36431-ET	840003012016895						
	NO-FLA DEPUTY 35434-ET	840003011527383						
	NO-FLA DERIVE 31929-ET	840003009524130						
	NO-FLA DETAIL 34364-ET	840003010979337						
	NO-FLA DETAIL 40404-ET	840003126952209						
	NO-FLA DETECT 32732-ET	840003009524933						
	NO-FLA DETECT 40357-ET	840003126952162						
	NO-FLA DETECTOR 36402-ET	840003012016866						
	NO-FLA DEVISE 35962-ET	840003012016426						
	NO-FLA DEWEY 41101-ET	840003129449218			C			
	NO-FLA DEWEY 42926-ET	840003133886909						
153HO00134	NO-FLA DIALOG 31020-ET	840003008608790						
	NO-FLA DIALOG 40929-ET	840003129449046						
	NO-FLA DIALOG 41026-ET	840003129449143						
	NO-FLA DIALOG 41504-ET	840003129449621						
	NO-FLA DIALOG 42803-ET	840003133886786						
	NO-FLA DIALOG 42912-ET	840003133886895						
	NO-FLA DIALOG 43038-ET	840003133887021						
	NO-FLA DIALOG REGGIE 81052	USA 73752848						
	NO-FLA DIALOGUE 29426-ET	840003007025056						
	NO-FLA DIGIT 36423-ET	840003012016887						
	NO-FLA DIGIT 37504-ET	840003013072127						
	NO-FLA DIGITAL 33632-ET	840003009976799						
	NO-FLA DIGITAL 39770	840003125079378						
	NO-FLA DIJON 41019-ET	840003129449136						
	NO-FLA DILIGENT 34152-ET	840003010979125						
	NO-FLA DILLION 41496-ET	840003129449613	C					
	NO-FLA DISCLAIM 34518-ET	840003010979491						
	NO-FLA DISCLAIM 40083	840003126951888						
	NO-FLA DISCO 35632-ET	840003011527581			C			
	NO-FLA DISPATCH 30951-ET	840003008608721						
	NO-FLA DISRUP 33237	840003009976404						
	NO-FLA DISTINCT 36616-ET	840003012017080						
	NO-FLA DISTRICT 34442-ET	840003010979415						
	NO-FLA DIVERSE 33943	840003010978916						
	NO-FLA DIVERSE 40566	840003126952371						
	NO-FLA DIVERT 35887-ET	840003012016351	C					

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA DIVERT 39141-ET	840003125078749						
	NO-FLA DOBULEUP 37735-ET	840003013072358						
	NO-FLA DOCKET 35997-ET	840003012016461						
	NO-FLA DOCTRINE 29887-ET	840003008160547						
	NO-FLA DOCTRINE 33398-ET	840003009976565						
	NO-FLA DONAVON 41518-ET	840003129449635	C					
	NO-FLA DONAVON 41978-ET	840003132343913						
	NO-FLA DONDRE 41510-ET	840003129449627						
	NO-FLA DONDRE 41517	840003129449634						
	NO-FLA DOSE 32242-ET	840003009524443						
	NO-FLA DOTCOM 32087-ET	840003009524288						
	NO-FLA DOTCOM 40571-ET	840003126952376						
	NO-FLA DRAFT 32094-ET	840003009524295						
	NO-FLA DRASTIC 37935-ET	840003014562773						
	NO-FLA DREW KYLEN 81153	USA 73752949						
	NO-FLA DRILL 38663-ET	840003014563501						
1HO11393	NO-FLA DUGGER-ET	840003013071694						
153HO00130	NO-FLA DURABLITY-ET	840003006778130			C			
	NO-FLA DWIGHT 81753	USA 73753549						
	NO-FLA DYANTE 40769	840003126952574						
	NO-FLA EASE 37812-ET	840003014562650						
	NO-FLA EASE 42690-ET	840003132344625						
	NO-FLA EBEN 41933-ET	840003132343868						
	NO-FLA EDGE 32830-ET	840003009975997						
	NO-FLA EDGE 39966-ET	840003126951771						
	NO-FLA EDGE 41300-ET	840003129449417						
	NO-FLA EDISON 40875-ET	840003129448992						
	NO-FLA EDISON 42655-ET	840003132344590						
	NO-FLA EDIT 38204-ET	840003014563042						
	NO-FLA EDITION 35942-ET	840003012016406						
	NO-FLA EDITION 42571-ET	840003132344506						
	NO-FLA EHAB 43184-ET	840003133887167						
	NO-FLA ELECT 33403-ET	840003009976570						
	NO-FLA ELECT 40336-ET	840003126952141						
	NO-FLA ELICIT 32055-ET	840003009524256						
	NO-FLA ELIGIBLE 34282-ET	840003010979255					C	
	NO-FLA ELITE 32804-ET	840003009975971						
	NO-FLA ELLIS 40121-ET	840003126951926						
	NO-FLA EMBRACE 33686	840003009976853	C					
	NO-FLA EMERGE 33873-ET	840003010978846						
	NO-FLA EMERIL 41457-ET	840003129449574						
14HO06222	NO-FLA EMISSARY-ET	840003005567688						
7HO11546	NO-FLA EMULATE 30309-ET	840003008160969						
	NO-FLA EMULATE 37108	840003013071731						
	NO-FLA EMULATE 81533-ET	USA 73753329						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA ENACT 35101-ET	840003011527050						
	NO-FLA END RUN	USA 66652557						
	NO-FLA ENDURANCE	USA 65480972						
	NO-FLA ENERGY 32948	840003009976115						
	NO-FLA ENGAGE 30278-ET	840003008160938			C			
	NO-FLA ENGAGE 32132-ET	840003009524333						
	NO-FLA ENGAGE 39432	840003125079040						
	NO-FLA ENRICH 28994-TW	840003006559683						
	NO-FLA ENTER 37126-ET	840003013071749						
	NO-FLA ENTITY 29515-ET	840003007939658						
	NO-FLA ENVOY 33215-ET	840003009976382						
	NO-FLA EPIC ALEXIA 34754-ET	840003010979727						
	NO-FLA EPISODE 37720-ET	840003013072343						
	NO-FLA EPISODE 37809-ET	840003014562647						
	NO-FLA EQUATE 37873-ET	840003014562711						3
	NO-FLA EQUATION 34198-ET	840003010979171						
	NO-FLA ERA 30782-ET	840003008161442						
	NO-FLA ESCALATE 38316-ET	840003014563154						
	NO-FLA ESCAPE 1087-ET	840003010079747						
14HO06710	NO-FLA ESCROW 28548-ET	840003007025178						
	NO-FLA EVEREST 41042-ET	840003129449159						
	NO-FLA EVEREST 42534-ET	840003132344469						
	NO-FLA EVERT 41234-ET	840003129449351						
	NO-FLA EVOLVE 32343-ET	840003009524544						
	NO-FLA EVOLVE 35208-ET	840003011527157						
	NO-FLA EXCEED 34382-ET	840003010979355						
	NO-FLA EXCELL 35791-ET	840003011527740						
	NO-FLA EXCISE 35089-ET	840003011527038			C			
	NO-FLA EXCITE 36780-ET	840003012017244						
	NO-FLA EXEC 34415-ET	840003010979388						
	NO-FLA EXEC 40327-ET	840003126952132						
	NO-FLA EXEC 41125-ET	840003129449242						
	NO-FLA EXEMPT 34276-ET	840003010979249						
	NO-FLA EXEMPTION 80871	USA 73163161						
	NO-FLA EXERT 33438	840003009976605						
	NO-FLA EXPAND 32479-ET	840003009524680						
	NO-FLA EXPEDITE 37430-ET	840003013072053						
	NO-FLA EXPLOIT 30141-ET	840003008160801						
	NO-FLA EXPLORE 35598-ET	840003011527547			C			
	NO-FLA EXPLORE 40271-ET	840003126952076						
	NO-FLA EXPOSE 32765-ET	840003009524966						
	NO-FLA EXPRESS 37427-ET	840003013072050						
	NO-FLA EXPRESS 38220-ET	840003014563058						
	NO-FLA EXPRESS 39618-ET	840003125079226			C			
	NO-FLA EXTEND 28446-ET	840003007025076						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
1HO10229	NO-FLA EXTEND-ET	840003006777989						
	NO-FLA EXTENSION 37226-ET	840003013071849						
	NO-FLA EXTRACT 34312-ET	840003010979285						
	NO-FLA FACET 36817-ET	840003013071440						
	NO-FLA FACTUAL 36007-ET	840003012016471						
	NO-FLA FACULTY 37232-ET	840003013071855						
	NO-FLA FACULTY 40368-ET	840003126952173						
29HO17532	NO-FLA FAFNER-ET	840003010979462						
29HO16583	NO-FLA FAME-ET	840003008608641						
	NO-FLA FARIS 42603-ET	840003132344538						
	NO-FLA FAST TRACK 37868-ET	840003014562706						
	NO-FLA FAVIAN 43007-ET	840003133886990						
	NO-FLA FEAT 31723-ET	840003008609493						
1HO10662	NO-FLA FEEDBACK 30388-ET	840003008161048			C			
	NO-FLA FEISTY 34647-ET	840003010979620						
	NO-FLA FEISTY 39828	840003126951633						
14HO07606	NO-FLA FELIPE 38556-ET	840003014563394						
	NO-FLA FELIX 42120-ET	840003132344055						
	NO-FLA FEVER 30819-ET	840003008608589						
	NO-FLA FIRM 34133-ET	840003010979106						
	NO-FLA FISCAL 29650-ET	840003007939793	C					
	NO-FLA FISCAL 35906	840003012016370						
	NO-FLA FLARE 28259	840003007024889						
	NO-FLA FLATTER 34934-ET	840003011526883						
	NO-FLA FLATTER 41138-ET	840003129449255						
	NO-FLA FLEX 34046-ET	840003010979019						
	NO-FLA FLEX 39538-ET	840003125079146						
	NO-FLA FLOW 38199-ET	840003014563037						
	NO-FLA FLUSTER 38965-ET	840003125078573						
	NO-FLA FOCUS	840003006778197						
	NO-FLA FOCUS 30163-ET	840003008160823						
	NO-FLA FOCUS 30707-ET	840003008161367						
	NO-FLA FOCUS 31516-ET	840003008609286			C			
	NO-FLA FOCUS 31612-ET	840003008609382						
	NO-FLA FONT 33647-ET	840003009976814						
	NO-FLA FONT 40343-ET	840003126952148						
	NO-FLA FOOTNOTE 34463-ET	840003010979436						
	NO-FLA FOOTNOTE 39466-TW	840003125079074						
	NO-FLA FORECAST 35160-ET	840003011527109						
	NO-FLA FORECAST 42563-ET	840003132344498						
	NO-FLA FORESEE 36786-ET	840003012017250						
	NO-FLA FORM 34530-ET	840003010979503			C			
	NO-FLA FORM 39535	840003125079143						
	NO-FLA FORMAL 34197-ET	840003010979170						
	NO-FLA FORMAT 36430-ET	840003012016894						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA FORMAT 42071-ET	840003132344006						
	NO-FLA FORTIFY 33937-ET	840003010978910						
	NO-FLA FORUM 29657-ET	840003007939800						
	NO-FLA FORUM 33186-ET	840003009976353						
	NO-FLA FORUM 39454	840003125079062						
	NO-FLA FRENZY 29407-ET	840003007939550	C					
	NO-FLA FRINGE 30986-ET	840003008608756						
	NO-FLA FRUGAL 30199	840003008160859			C			
	NO-FLA FUEL 34555-ET	840003010979528						
14HO07276	NO-FLA FUELUP 33446-ET	840003009976613						
	NO-FLA FULLTIME-ET	840003006777964						
	NO-FLA FUND 33888-ET	840003010978861			C			
	NO-FLA FUP HOUSTON 80954-TW	USA 73163244						
	NO-FLA FUSION 35354-ET	840003011527303						
	NO-FLA GADE 81261	USA 73753057						
	NO-FLA GALA 41184-ET	840003129449301						
	NO-FLA GALAXY CRAFTY-ET	840003011527643						
	NO-FLA GALAXY PROVOST-ET	840003011527619						
	NO-FLA GARTH 34661-ET	840003010979634						
	NO-FLA GASPAR 42082-ET	840003132344017						
	NO-FLA GDP 38891-ET	840003125078499						
	NO-FLA GEARUP 36414-ET	840003012016878						
14HO07814	NO-FLA GENIUS-ET	840003129449198						
	NO-FLA GEO 41303-ET	840003129449420						
	NO-FLA GINO 42048-ET	840003132343983						
	NO-FLA GINO 42458-ET	840003132344393						
	NO-FLA GIRARD 40711-ET	840003126952516						
	NO-FLA GLANCE 37333-ET	840003013071956						
	NO-FLA GLIDE 36932-ET	840003013071555						
	NO-FLA GLIDE 40127	840003126951932			C			
	NO-FLA GLIDE 82015	USA 74701005						
	NO-FLA GLITZ 34916-ET	840003011526865						
	NO-FLA GLITZ 39492-ET	840003125079100						
	NO-FLA GLOBAL 30836-ET	840003008608624						
	NO-FLA GLOBAL-ET	USA 66087385						
	NO-FLA GOURMET 35954-ET	840003012016418						
	NO-FLA GRAPHIC 29835-ET	840003008160495						
	NO-FLA GRAPHIC 32014-ET	840003009524215						
	NO-FLA GRAPPLE 37004-ET	840003013071627						
	NO-FLA GRATIFY 31013-ET	840003008608783						
	NO-FLA GRATUITY-ET	USA 65480959						
	NO-FLA GRID 32603	840003009524804						
203HO03112	NO-FLA GRID-ET	840003125078715						
	NO-FLA GRIT 35926	840003012016390						
	NO-FLA GRITTY 33699-ET	840003009976866						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA GROUPIE 38561-ET	840003014563399						
	NO-FLA GROWTH 33876-ET	840003010978849						
	NO-FLA GRUB STAKE-ET	USA 65480960						
	NO-FLA GRUOPO 38074-ET	840003014562912						
	NO-FLA GUIDE 34396-ET	840003010979369						
	NO-FLA HACKER 37505-ET	840003013072128						
	NO-FLA HAGAR 40719	840003126952524						
	NO-FLA HALLMARK 34864-ET	840003011526813		C				
	NO-FLA HANDBOOK 37539-ET	840003013072162						
	NO-FLA HAPPY 35174-ET	840003011527123						
	NO-FLA HARDIN 37944-ET	840003014562782						
	NO-FLA HEDGE 35909-ET	840003012016373						
153HO00127	NO-FLA HEDGEHOG-ET	USA 66087409						
	NO-FLA HEDGER 32904-ET	840003009976071						
	NO-FLA HEIRLOOM 39152-ET	840003125078760						
	NO-FLA HEMI 32016-ET	840003009524217						
	NO-FLA HERCULES-ET	840003009976478						
	NO-FLA HERITAGE 34819-ET	840003011526768						
	NO-FLA HERITAGE 40338-ET	840003126952143						
	NO-FLA HEROIC 32371-ET	840003009524572						1
	NO-FLA HEROIC 39443-ET	840003125079051						
	NO-FLA HIFLO 41286-ET	840003129449403						
	NO-FLA HINGE 33843	840003010978816						
	NO-FLA HINOTE 33598-ET	840003009976765						
	NO-FLA HINOTE 39857	840003126951662						
	NO-FLA HITCH 35821-ET	840003012016285						
29HO13510	NO-FLA HITECH-TW	USA 63021040						
	NO-FLA HONE 36677-ET	840003012017141						
	NO-FLA HORACIO 42638-ET	840003132344573						
	NO-FLA HOST 35770-ET	840003011527719						
14HO07723	NO-FLA HOST 39791-ET	840003125079399						
	NO-FLA HOST 39807-ET	840003126951612						
	NO-FLA HT 35396-ET	840003011527345						
	NO-FLA HUMILITY 33224-ET	840003009976391						
	NO-FLA HUMILITY 39731-ET	840003125079339			C			
29HO16322	NO-FLA HURST-ET	840003008160513						
	NO-FLA HUSTLE 38895-ET	840003125078503						
	NO-FLA HYATT 38461-ET	840003014563299						
	NO-FLA HYDRO 35841-ET	840003012016305						
	NO-FLA HYPE 29390-ET	840003007939533						
	NO-FLA ICON 35504-ET	840003011527453						
	NO-FLA ICON 35950-ET	840003012016414			C			3
	NO-FLA ICON 37257-ET	840003013071880						
	NO-FLA ICON 41861-ET	840003132343796						
	NO-FLA ICONIC 32181-TW	840003009524382						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA ICONIC 39404-ET	840003125079012						
29HO16830	NO-FLA IDEAL-ET	840003009524726						1
29HO16879	NO-FLA IDGY-TW-ET	840003009976512						
	NO-FLA IGNITE 33146-ET	840003009976313						
	NO-FLA IGOR 35518-ET	840003011527467						
	NO-FLA IMAGE 33029	840003009976196						
	NO-FLA IMAGINE 32495-ET	840003009524696						
	NO-FLA IMMUNE 35683-ET	840003011527632						
	NO-FLA IMMUNIZE 38829	840003125078437						
	NO-FLA IMPACT 28592-ET	840003007025222						
	NO-FLA IMPACT 29132-ET	840003006559821						
	NO-FLA IMPACT 30158-ET	840003008160818						
	NO-FLA IMPACT-ET	840003006778259						
	NO-FLA IMPACTOR 38008-ET	840003014562846						
	NO-FLA IMPLY 36774-ET	840003012017238						
	NO-FLA IMPORTANT-ET	840003006778477						
	NO-FLA IMPOSE 35059-ET	840003011527008						
	NO-FLA IMPULSE 30329-ET	840003008160989						
	NO-FLA IMPUTE 32790-ET	840003009524991						
14HO07724	NO-FLA IMPUTE 39874-ET	840003126951679						
	NO-FLA INATE 35619-ET	840003011527568						
	NO-FLA INCUR 33440-ET	840003009976607						
	NO-FLA INDY 41238-ET	840003129449355						
	NO-FLA INFAMY	840003006778630						
	NO-FLA INFLUX 37931-ET	840003014562769						
	NO-FLA INFORCE 36086-ET	840003012016550						
	NO-FLA INFORM 34409-ET	840003010979382						
	NO-FLA INFORM 40367	840003126952172						
	NO-FLA INITIAL 35506-ET	840003011527455						
	NO-FLA INITIATE 34097-ET	840003010979070						
	NO-FLA INPUT 30335-ET	840003008160995						
	NO-FLA INPUT 31912-ET	840003009524113						
	NO-FLA INSIDE 38938-ET	840003125078546						
	NO-FLA INSIGHT 27749-ET	840003006778656			C			
	NO-FLA INSIGHT 31662-ET	840003008609432						
	NO-FLA INSIGHT 32348-ET	840003009524549						1
	NO-FLA INSIGHT 39858-ET	840003126951663						
	NO-FLA INSIGHT 40771	840003126952576						
	NO-FLA INSIGHT 41069-ET	840003129449186						
	NO-FLA INSPIRE 33445-ET	840003009976612						
	NO-FLA INSTALL 33869-ET	840003010978842						
	NO-FLA INSTINCT 41162-ET	840003129449279						
29HO16392	NO-FLA INSTINCT-ET	840003008160865						
566HO01212	NO-FLA INTENSE 35415-ET	840003011527364						
	NO-FLA INTENSIFY 37673-ET	840003013072296						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA INTENSIFY 40351-ET	840003126952156						
	NO-FLA INTENT 31715-TW	840003008609485						
	NO-FLA INTENT 38784-ET	840003014563622						
	NO-FLA INTERFACE 38200-ET	840003014563038						
	NO-FLA INTERN 30292-ET	840003008160952						
	NO-FLA INTRIGUE 39013-ET	840003125078621						
	NO-FLA INVADER 37450-ET	840003013072073						
	NO-FLA INVADER 43078-ET	840003133887061						
	NO-FLA INVEST 31434-ET	840003008609204						
	NO-FLA IRAM 42639-ET	840003132344574						
	NO-FLA JABORIS 41032-ET	840003129449149						
	NO-FLA JACE 41920-ET	840003132343855						
	NO-FLA JACE 41927-ET	840003132343862						
	NO-FLA JACEY HOUSTON 81118	USA 73752914						
	NO-FLA JADAN 40635-ET	840003126952440						
	NO-FLA JADAN 43190-ET	840003133887173						
	NO-FLA JADEN 81971	USA 73753767						
	NO-FLA JAIRO 42963-ET	840003133886946						
	NO-FLA JAMAL 42964-ET	840003133886947						
	NO-FLA JAMEL 40716	840003126952521						
	NO-FLA JAMEL 42063-ET	840003132343998						
	NO-FLA JARELL 41405-ET	840003129449522						
	NO-FLA JARELL 42196-ET	840003132344131						
	NO-FLA JARMAN 43003-ET	840003133886986						
	NO-FLA JARON 40604-ET	840003126952409						
	NO-FLA JARRAD 42687-ET	840003132344622						
	NO-FLA JARRELL 81969	USA 73753765						
	NO-FLA JAZZ 35671-ET	840003011527620						
	NO-FLA JENSEN 40782	840003126952587						
	NO-FLA JOBY 40836	840003129448953						
	NO-FLA JOSUPER 90082-TW	USA 74700572						
	NO-FLA JOSUPER AUSTYN 82256	USA 74701246						
	NO-FLA JOSUPER COBI 82128	USA 74701118						
	NO-FLA JOSUPER MAX 82049-ET	USA 74701039						
	NO-FLA JOSUPER SONEL 81956	USA 73753752						
	NO-FLA JOY RIDE 34707-ET	840003010979680						
1HO11944	NO-FLA JSUPER CORBIN-ET	840003129449217			C			
	NO-FLA JUAN 42745-ET	840003132344680						
	NO-FLA JUDAS 42681-ET	840003132344616						
	NO-FLA JULIANO 41883-ET	840003132343818						
	NO-FLA JUNKET-ET	840003125078591						
	NO-FLA KADE 40616-ET	840003126952421						
	NO-FLA KADO JOSH 81317-ET	USA 73753113						
	NO-FLA KAEDON 42997-ET	840003133886980						
	NO-FLA KAISER 38646-ET	840003014563484						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA KALEN 42401-ET	840003132344336						
	NO-FLA KALOB 40911	840003129449028						
	NO-FLA KALOB 42274	840003132344209						
	NO-FLA KALVIN 41378-ET	840003129449495						
	NO-FLA KALVIN 81897	USA 73753693						
	NO-FLA KAMREN 42017	840003132343952						
	NO-FLA KASON 42072-ET	840003132344007						
	NO-FLA KEATON 40847-ET	840003129448964						
	NO-FLA KEBRON 42560-ET	840003132344495						
	NO-FLA KEENEN 40790-ET	840003126952595						
	NO-FLA KEEPSAKE 37359-ET	840003013071982						
	NO-FLA KELLY 40793-ET	840003126952598						
	NO-FLA KENDAL 41056-ET	840003129449173						
	NO-FLA KENDALL 42561-ET	840003132344496						
	NO-FLA KENG 82003	USA 74700993						
	NO-FLA KEYON 40930-ET	840003129449047						
	NO-FLA KIEL 42207-ET	840003132344142						
	NO-FLA KIEL 42241-ET	840003132344176						
	NO-FLA KIEL 81661	USA 73753457						
	NO-FLA KILO 35945-ET	840003012016409						
	NO-FLA KIROS 40627-ET	840003126952432						
	NO-FLA KIROS 41957-ET	840003132343892						
	NO-FLA KOLIN 40751-ET	840003126952556						
	NO-FLA KREG 41052-ET	840003129449169						
	NO-FLA KREG 41180-ET	840003129449297						
	NO-FLA KRONE 37159-ET	840003013071782						
	NO-FLA KUDO 38516-ET	840003014563354						
	NO-FLA KYLEN 42512-ET	840003132344447						
	NO-FLA LABEL 33875-ET	840003010978848						
	NO-FLA LABEL 39220	840003125078828						
14HO07612	NO-FLA LARIAT 38616-ET	840003014563454						
	NO-FLA LASER 34019-ET	840003010978992						
	NO-FLA LAUNCH 34599-ET	840003010979572			C			
	NO-FLA LAURO 40770	840003126952575			C			
	NO-FLA LAVISH 39003	840003125078611						
	NO-FLA LAVON 42698-ET	840003132344633						
	NO-FLA LAYOUT 36365-ET	840003012016829						
	NO-FLA LEGRANDE 38150-ET	840003014562988						
	NO-FLA LEVERAGE 38353-ET	840003014563191						3
	NO-FLA LEXIS 28541-ET	840003007025171						
	NO-FLA LIAISON 33611-ET	840003009976778						
	NO-FLA LIBER 41366-ET	840003129449483						
	NO-FLA LIBERATE 35156-ET	840003011527105						
	NO-FLA LIBERATE 42567-ET	840003132344502						
	NO-FLA LIBERATION	840003006778593						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
200HO10076	NO-FLA LIMESTONE-ET	840003011526982						
	NO-FLA LINKAGE 30133-ET	840003008160793						
	NO-FLA LINO 42836-ET	840003133886819						
	NO-FLA LIQUID GOLD 81014-TW	USA 73752810						
	NO-FLA LIRA 29931-ET	840003008160591						
	NO-FLA LITMUS 34913-ET	840003011526862						
	NO-FLA LOFTY 36010-ET	840003012016474						
	NO-FLA LOGO 34708-ET	840003010979681						
54HO00480	NO-FLA LOISS LEGEND-ET	USA 61354080						
	NO-FLA LOMBARDI 42119-ET	840003132344054						
	NO-FLA LONGSHOT 35448-ET	840003011527397						
	NO-FLA LONGSHOT 80921	USA 73163211						
	NO-FLA LUIS 43135-ET	840003133887118						
	NO-FLA MACKAY 42808-ET	840003133886791						
	NO-FLA MAGISTRATE 38419-ET	840003014563257						
	NO-FLA MAGNIFY 37749-ET	840003013072372						
	NO-FLA MAHIM 40700-ET	840003126952505						
	NO-FLA MAIKI 81763	USA 73753559						
	NO-FLA MANCATO 41392-ET	840003129449509						
	NO-FLA MANIC 34711-ET	840003010979684						
	NO-FLA MANIC 81026	USA 73752822						
	NO-FLA MANTEL 34718-ET	840003010979691						
	NO-FLA MANUP 36969-ET	840003013071592						
	NO-FLA MARGIN 29611-ET	840003007939754	C					
	NO-FLA MARGIN 35254-ET	840003011527203						
	NO-FLA MARGIN 39531-ET	840003125079139						
	NO-FLA MAYBE 35524-ET	840003011527473	C					
	NO-FLA MAYHEM 37019-ET	840003013071642						
	NO-FLA MAYHEM 40087	840003126951892						
	NO-FLA MAYHEM 42549-ET	840003132344484						
	NO-FLA MAZE 35017-ET	840003011526966						
	NO-FLA MAZE 42206-ET	840003132344141						
	NO-FLA MCGRAW 42088	840003132344023						
	NO-FLA MCKAY 40914-ET	840003129449031						
	NO-FLA MEDIA 31431-ET	840003008609201						
	NO-FLA MEDIATOR 35613-ET	840003011527562						
	NO-FLA MELITO 40856-ET	840003129448973						
	NO-FLA MELITO 40950-ET	840003129449067						
	NO-FLA MELITO 42566-ET	840003132344501						
	NO-FLA MEMO 30314-ET	840003008160974						
	NO-FLA MENTOR 35757-ET	840003011527706						
	NO-FLA MENTOR 40570-ET	840003126952375						
	NO-FLA MENTOR 42794-ET	840003132344729					C	
	NO-FLA MERGE 35369-ET	840003011527318			C			
	NO-FLA MERGER 31277	840003008609047						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO18045	NO-FLA MERIT-ET	840003014563607						
	NO-FLA METRIC 34362-ET	840003010979335						
	NO-FLA METZ 41594	840003129449711						
	NO-FLA MIDNIGHT NGA 39949	840003126951754						
	NO-FLA MIGRATE 34381-ET	840003010979354						
	NO-FLA MILITANT 30774	840003008820774						
	NO-FLA MIMIC 33447	840003009976614						
	NO-FLA MINDSET 32753-ET	840003009524954	C		C			
	NO-FLA MINDSET 39379	840003125078987						
	NO-FLA MIRAGE 35676	840003011527625						
	NO-FLA MISSION 33865-ET	840003010978838						
	NO-FLA MITIGATE 80582-ET	USA 73162872						
	NO-FLA MOBILE 32223-ET	840003009524424						
	NO-FLA MOBILIZE-ET	840003006778136						
	NO-FLA MODE 33784-ET	840003009976951		C				
	NO-FLA MODE 40009	840003126951814						
29HO16917	NO-FLA MODULAR-ET	840003010979007						
	NO-FLA MOGUL HARLEY-ET	840003010978896						
	NO-FLA MONTANA 36092-ET	840003012016556						
1HO11950	NO-FLA MONTROSS CHICO-ET	USA 74700496						
	NO-FLA MOSAIC-ET	840003006777901			C			
	NO-FLA MOUNTY 36326-ET	840003012016790						
	NO-FLA MR FOCUS	840003006778460						
	NO-FLA MR RESTORE-ET	840003006778423						
	NO-FLA MUCHO 80526-TW	USA 73162816						
	NO-FLA MYLES 41822-ET	840003132343757						
	NO-FLA MYRIAD 29400-ET	840003007939543						
	NO-FLA NAIFOU 42990-ET	840003133886973						
	NO-FLA NANO 38524	840003014563362						
	NO-FLA NETWORK 38443-ET	840003014563281						
	NO-FLA NICHE 31567-ET	840003008609337						
	NO-FLA NIKO 42553-ET	840003132344488						
	NO-FLA NOLAN 40608	840003126952413						
	NO-FLA NOLAN 41976-ET	840003132343911						
	NO-FLA NOMINEE 39192	840003125078800						
	NO-FLA NOMINEE AWNER 81066	USA 73752862						
	NO-FLA NOMINEE DWAYNE 81156	USA 73752952						
	NO-FLA NOOK 38955-ET	840003125078563						
	NO-FLA NORDIC 35015	840003011526964						
	NO-FLA NORDIC 42715-ET	840003132344650					C	
	NO-FLA NORMANDY 41687-ET	840003129449804	C					
	NO-FLA NORTON 40844-ET	840003129448961						
	NO-FLA NOSTALGIA 35749	840003011527698						
	NO-FLA NOTEBOOK 34368-ET	840003010979341			C			
	NO-FLA NOTEBOOK 39460	840003125079068						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA NOTICE 34406-ET	840003010979379						
	NO-FLA NOTICE 39541	840003125079149						
	NO-FLA NOTICE 39585-ET	840003125079193						
	NO-FLA NOTIFY 30038-ET	840003008160698						
	NO-FLA NOTIFY 31683-ET	840003008609453						
	NO-FLA NOTIFY-ET	840003006777962						
	NO-FLA NOVEL 34151-ET	840003010979124						
	NO-FLA NOVEL 40944	840003129449061						
	NO-FLA NUMERIC 34844-ET	840003011526793						
	NO-FLA NUTSNBOLTS 32317-ET	840003009524518						
	NO-FLA OCTOTHORPE-ET	840003008609429						
	NO-FLA OFFER 41524-ET	840003129449641	C					
	NO-FLA OFFICIO 33626-ET	840003009976793						
	NO-FLA OFFICIO 40103	840003126951908						
	NO-FLA OFFSET 29606-ETS	840003007939749						
	NO-FLA OFFSET 33427	840003009976594						
	NO-FLA OLIGARCH 38896-ET	840003125078504						
	NO-FLA ONLINE 34249-ET	840003010979222						
	NO-FLA ONSITE 33855-ET	840003010978828						
	NO-FLA ONSITE 80938-ET	USA 73163228						
	NO-FLA OPTIMAL 32731-ET	840003009524932						
	NO-FLA OPTIMAL 39292-ET	840003125078900			C			
	NO-FLA OPTIMIZE 36743-ET	840003012017207						
	NO-FLA OPTIMUM 32782-ET	840003009524983						
	NO-FLA OPTIMUM 39507-ET	840003125079115						
	NO-FLA OPTION 30957-ET	840003008608727						
	NO-FLA ORION 42430	840003132344365						
	NO-FLA ORNATE 34738-ET	840003010979711						
	NO-FLA OSCEOLA 34867-ET	840003011526816						
	NO-FLA OTIS 40937-ET	840003129449054						
	NO-FLA OTIS 42991-ET	840003133886974						
	NO-FLA OUT&ABOUT-ET	840003006778158						
	NO-FLA OUTLET 31979-ET	840003009524180						
	NO-FLA OUTLIER 35907-ET	840003012016371						
	NO-FLA OUTLIER 42664-ET	840003132344599						
	NO-FLA OUTLINE 35762-ET	840003011527711						
	NO-FLA OUTLOOK 41675-ET	840003129449792	C					
153HO00129	NO-FLA OUTPOST-ET	840003006777935						
	NO-FLA OUTPUT 32801-ET	840003009975968						
	NO-FLA OUTPUT 39527	840003125079135						
	NO-FLA OVERSIGHT 34356-ET	840003010979329						
	NO-FLA OWEN 42149-ET	840003132344084						
	NO-FLA OXFORD 34993-ET	840003011526942						
	NO-FLA PACE 33245	840003009976412						
	NO-FLA PACKER 36386-ET	840003012016850						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA PANDEMIC 27751-ET	840003006778658			C			
	NO-FLA PANEL 36447-ET	840003012016911						
	NO-FLA PARITY 34766-ET	840003010979739						
	NO-FLA PARITY 39952	840003126951757						
	NO-FLA PARLAY 37861-ET	840003014562699						
	NO-FLA PARTISAN 33673-ET	840003009976840						
	NO-FLA PASCO 36490-ET	840003012016954						
	NO-FLA PASSPORT 29437	840003007939580						
	NO-FLA PASSPORT 37375-ET	840003013071998						
	NO-FLA PASSPORT 41827-ET	840003132343762						
	NO-FLA PATENT 27948-ET	840003007024578						
	NO-FLA PATH 36120-ET	840003012016584						3
	NO-FLA PATHWAY 32803-ET	840003009975970						
	NO-FLA PATHWAY 39666	840003125079274						
	NO-FLA PATROL 29618-ET	840003007939761						
29HO16654	NO-FLA PATRON-ET	840003008608889						
	NO-FLA PATTERN 28995-TW	840003006559684						
	NO-FLA PAYOFF 33319-ET	840003009976486						
	NO-FLA PAYOFF 39948	840003126951753						
	NO-FLA PAYOUT 29607-ETS	840003007939750						
	NO-FLA PAYROLL 30835-ET	840003008608605						
	NO-FLA PAYUP 34478-ET	840003010979451						
	NO-FLA PAYUP 40024-ET	840003126951829						
29HO16881	NO-FLA PAZEL-ET	840003009976862						
	NO-FLA PEAK 36313-ET	840003012016777						
	NO-FLA PEARSON 42128-ET	840003132344063						
	NO-FLA PEER 32137-ET	840003009524338						
	NO-FLA PENCHANT	USA 66652592						
566HO01200	NO-FLA PERK 34206-ET	840003010979179						
	NO-FLA PERMIT 33913-ET	840003010978886						
54HO00509	NO-FLA PERPETUAL	USA 63021102						
	NO-FLA PERSIST 35643-ET	840003011527592						
	NO-FLA PERSIST 43058-ET	840003133887041						
	NO-FLA PETERBILT 38606-ET	840003014563444						
	NO-FLA PETITION 35771-ET	840003011527720						
1HO11090	NO-FLA PETRONE RAMPAGE-ET	840003010979753						
	NO-FLA PHASE 35535-ET	840003011527484						
	NO-FLA PHELAN 40640	840003126952445						
	NO-FLA PHELAN 42797-ET	840003132344732						
	NO-FLA PHONIC 34768-ET	840003010979741						
	NO-FLA PHOTON 34773-ET	840003010979746						
566HO01229	NO-FLA PIKES PEAK-ET	840003013072334						
	NO-FLA PINNACLE 38679-ET	840003014563517						
	NO-FLA PITCH 36704-ET	840003012017168						
29HO16880	NO-FLA PIZAZZ-ET	840003010979038						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA PLAYBACK-ET	840003006778200						
	NO-FLA PLOT 33791-ET	840003009976958						
14HO07060	NO-FLA POISE 31562-ET	840003008609332			C			
	NO-FLA POISE 42788-ET	840003132344723						
	NO-FLA POLICY 29641-ET	840003007939784	C					
	NO-FLA POLICY 29982-ET	840003008160642						
	NO-FLA POLICY 30940-ET	840003008608710						
	NO-FLA POLICY 34184-ET	840003010979157						
	NO-FLA PONDER 38956-ET	840003125078564						
	NO-FLA POSH 38977-ET	840003125078585						
	NO-FLA POSITION 34243-ET	840003010979216						
	NO-FLA POSTERITY 29090-ET	840003006559779						
29HO14043	NO-FLA POTENT	USA 64454437						
	NO-FLA POTLUCK 35560-ET	840003011527509						
	NO-FLA POTLUCK 81757-ET	USA 73753553						
	NO-FLA PRECAST-ET	840003006778434						
	NO-FLA PRECISE	USA 66087024			C			
	NO-FLA PRECISE 31526-ET	840003008609296			C			
	NO-FLA PREDICT 34900-ET	840003011526849						
	NO-FLA PREEMPT	USA 66087018						
	NO-FLA PREEMPT 38750-ET	840003014563588						
153HO00119	NO-FLA PRELATE-ET	USA 64455097						
	NO-FLA PREMIUM 34485-ET	840003010979458						
	NO-FLA PREPARE 36167-ET	840003012016631			C			
	NO-FLA PRESET 30291-ET	840003008160951	C					
	NO-FLA PRETEXT 29909	840003008160569			C			
	NO-FLA PREVAIL 28563-ET	840003007025193						
	NO-FLA PREVAIL 30906-ET	840003008608676						
	NO-FLA PRIMARY 38431-ET	840003014563269						
	NO-FLA PRIMO 35730-ET	840003011527679			C			
	NO-FLA PROBE 33221-ET	840003009976388						1
	NO-FLA PROBE 80922	USA 73163212						
1HO11361	NO-FLA PROCEED	USA 72539204						
	NO-FLA PROCESS 29734-ET	840003007939877						
	NO-FLA PROCESS 30138-ET	840003008160798						
	NO-FLA PROCURE 38925-ET	840003125078533						
	NO-FLA PROFILE 31424-ET	840003008609194						
	NO-FLA PROP 35458-ET	840003011527407						
	NO-FLA PROPEL 37975-ET	840003014562813						
	NO-FLA PRORATE 33131-ET	840003009976298						
	NO-FLA PROSPECT 31471-ET	840003008609241		C				
	NO-FLA PROSPECT 36665-ET	840003012017129						
	NO-FLA PROSPER 37299-ET	840003013071922						
153HO00120	NO-FLA PROTEGE-ET	USA 64455126						
153HO00107	NO-FLA PROTOCOL	USA 62536310			C			

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
153HO00121	NO-FLA PROVIDENT-ET	USA 64455139	C					
	NO-FLA PROVOKE 32252-ET	840003009524453						
	NO-FLA PROXY 27806-ET	840003007024436						
	NO-FLA PROXY 31394-ET	840003008609164						
1HO11968	NO-FLA PURE COLEMAN	USA 74700529						
	NO-FLA PURIFY-ET	840003012017047						1
	NO-FLA PURSUE 34193-ET	840003010979166						
29HO17530	NO-FLA PURSUIT-ET	840003011526886						
	NO-FLA QUERY 31021-ET	840003008608791						
	NO-FLA QUEST 37672-ET	840003013072295						
	NO-FLA QUINN 42108-ET	840003132344043						
	NO-FLA RACA 38147-ET	840003014562985						
	NO-FLA RADIANT 41000-ET	840003129449117						
	NO-FLA RADIUM 38315-ET	840003014563153						
200HO10007	NO-FLA RAINBOW-ET	840003010978908						
	NO-FLA RALLY 41678-ET	840003129449795						
	NO-FLA RALLY-ET	840003005567737						
	NO-FLA RAMIE 81576-ET	USA 73753372						
	NO-FLA RAMPAGE 41940	840003132343875						
	NO-FLA RAMPAGE JENNER 81996	USA 73753792						
	NO-FLA RAND 41337-ET	840003129449454						
	NO-FLA RAP 34291	840003010979264						
	NO-FLA RAPIDO 36565-ET	840003012017029						
	NO-FLA RARITY 30178-ET	840003008160838						
	NO-FLA RATIO 33310-ET	840003009976477						
	NO-FLA RATIO 39478-ET	840003125079086						
	NO-FLA RAUL 40784-ET	840003126952589						
7HO10533	NO-FLA REALIGN	USA 66087693						
1HO11624	NO-FLA REASSURE-ET	840003014563160						
	NO-FLA REBOOT 39012	840003125078620						
	NO-FLA REBOUND-ET	USA 66087467						
29HO14486	NO-FLA RECAP-ET	USA 66087639						
	NO-FLA RECOIL 33740	840003009976907						
	NO-FLA RECRUIT 29342-ET	840003007939485			C			
	NO-FLA RECRUITER 38908-ET	840003125078516						
	NO-FLA RECTIFY 31392	840003008609162						
	NO-FLA RECYCLE 33800-ET	840003010978773						
566HO01195	NO-FLA REDEAM 33907-ET	840003010978880						
	NO-FLA REFER 34131-ET	840003010979104						
	NO-FLA REFERENCE 36812-ET	840003013071435						
	NO-FLA REFERRAL 38835	840003125078443						
	NO-FLA REFINE 37011-ET	840003013071634						
	NO-FLA REFLECT 33719-ET	840003009976886						
	NO-FLA REFORM 30773-ET	840003008820741						
	NO-FLA REFRAME 35964-ET	840003012016428						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA REFUGE 33810-ET	840003010978783						
	NO-FLA REFUGE 39598	840003125079206						
	NO-FLA REGIME 31550-ET	840003008609320			C			
	NO-FLA REGIME 34547-ET	840003010979520						
	NO-FLA REILLY 40946-ET	840003129449063						
	NO-FLA REKINDLE 35748-ET	840003011527697						
	NO-FLA REKINDLE 40296	840003126952101						
	NO-FLA REKINDLE 42031-ET	840003132343966						
	NO-FLA RELATE 34140	840003010979113						
14HO07196	NO-FLA RELEVANT 32798-ET	840003009524999						
29HO16829	NO-FLA RELIEF	840003009976244						
	NO-FLA RELIEF 31763-ET	840003008609533						
	NO-FLA RELIVE 35740-ET	840003011527689						
	NO-FLA RELY 33481-ET	840003009976648						
	NO-FLA REMARK 37908-ET	840003014562746						
153HO00117	NO-FLA REMEDY	USA 64454392						
	NO-FLA REMOTE 35546-ET	840003011527495			C			
	NO-FLA RENDER 29964-ET	840003008160624						
	NO-FLA RENE 41251-ET	840003129449368						
7HO11056	NO-FLA RENEW-ET	840003006778390						
	NO-FLA RENZO 40625-ET	840003126952430						
	NO-FLA RENZO 43039-ET	840003133887022						
97HO41605	NO-FLA REPLICA-ET	840003125078577						
	NO-FLA REPONSE 35192	840003011527141						
	NO-FLA REPONSE 39100-ET	840003125078708						
	NO-FLA REPORT 35794-ET	840003011527743						
	NO-FLA REPRINT 35456-ET	840003011527405						
	NO-FLA REPRIVE 33359-ET	840003009976526						
153HO00108	NO-FLA RESCUE-ET	USA 62536853						
	NO-FLA RESERVE 34383-ET	840003010979356						
	NO-FLA RESERVE 39410-ET	840003125079018						
	NO-FLA RESET 34910-ET	840003011526859						
	NO-FLA RESHAPE-ET	840003013072259						3
	NO-FLA RESILENT 35717-ET	840003011527666						
	NO-FLA RESOLVE 33273-ET	840003009976440						
	NO-FLA RESORT 33817-ET	840003010978790						
	NO-FLA RESORT 38455	840003014563293						
	NO-FLA RESORT 40031-ET	840003126951836						
	NO-FLA RESPECT 34522	840003010979495						
	NO-FLA RESPOND 35618-ET	840003011527567			C			
	NO-FLA RESPOND 42137-ET	840003132344072						
	NO-FLA RESPONSE 31906-ET	840003009524107						
	NO-FLA RESTART 39078-ET	840003125078686						
	NO-FLA RESTORE 29405-ET	840003007939548						
	NO-FLA RESTORE-ET	840003006778004						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA RESULT 31477-ET	840003008609263						
	NO-FLA RESULT-ET	840003006778661						
	NO-FLA RESUME 35727-ET	840003011527676						
	NO-FLA RETAIN 34166-ET	840003010979139						
	NO-FLA RETAIN 40354	840003126952159						
	NO-FLA RETAINER 27930	840003007024560						
14HO07063	NO-FLA RETOOL 31572-ET	840003008609342						
	NO-FLA RETRO 35530-ET	840003011527479						
	NO-FLA RETROFIT 37055-ET	840003013071678						
	NO-FLA RETROFIT-ET	840003006778106						
	NO-FLA REUNION 35744-ET	840003011527693						
	NO-FLA REVEAL 32455-ET	840003009524656						
	NO-FLA REVEL 35146-ET	840003011527095			C			
	NO-FLA REVIEW 31741	840003008609511						
	NO-FLA REVIEW 34361-ET	840003010979334						
	NO-FLA REVIEW 40324-ET	840003126952129						
	NO-FLA REVISE 28438-ET	840003007025068						
	NO-FLA REVISION 35274-ET	840003011527223						
	NO-FLA REVISIT-ET	840003006778382						
	NO-FLA REVIVE 38365-ET	840003014563203						
	NO-FLA REVIVE ME-ET	USA 66087157						
	NO-FLA REVO 33126-ET	840003009976293						
	NO-FLA REVO 39086-ET	840003125078694						
506HO00114	NO-FLA REVOLUTION-ET	USA 62133455	C					
	NO-FLA RHETT 42699-ET	840003132344634						
	NO-FLA RIDEOUT 38683-ET	840003014563521						
	NO-FLA RIFT 33274-ET	840003009976441						
	NO-FLA RING 42782-ET	840003132344717						
153HO00101	NO-FLA RISING TIDE-ET	USA 62133466	C		C			
14HO07416	NO-FLA RITUAL 35691-ET	840003011527640						
153HO00128	NO-FLA RIVAL-ET	USA 66087401						
1HO11674	NO-FLA ROADMAP	840003125079126						
	NO-FLA ROADMAP 33583-ET	840003009976750						
1HO11030	NO-FLA ROBUST DAREDEVIL	840003009976214						
	NO-FLA RODO 38144-ET	840003014562982						
	NO-FLA RODO 40586-ET	840003126952391			C			
	NO-FLA RODO 42415-ET	840003132344350						
	NO-FLA ROLE 33295	840003009976462						
	NO-FLA ROSS 40813-ET	840003129448930			C			
	NO-FLA ROTOR 34300	840003010979273						
	NO-FLA ROUT 30836-ET	840003008608606			C			
	NO-FLA RUBLE 36014-ET	840003012016478						
	NO-FLA RUBLE 42056-ET	840003132343991						
	NO-FLA SAGAR 41500-ET	840003129449617						
	NO-FLA SALVA 41263-ET	840003129449380						

**Male Carriers for Haplotypes Impacting Fertility on the Records of
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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA SANCTION 38972-ET	840003125078580						
	NO-FLA SANKO 38233-ET	840003014563071						
	NO-FLA SATURATE 41638-ET	840003129449755						
	NO-FLA SCAN 34017-ET	840003010978990						
	NO-FLA SCHEME 35142-ET	840003011527091						
	NO-FLA SCION 35322-ET	840003011527271						
	NO-FLA SCOPE 34085-ET	840003010979058						
	NO-FLA SCORCHER 38489-ET	840003014563327						
	NO-FLA SCORE 33804-ET	840003010978777						
	NO-FLA SCREEN 38840-ET	840003125078448						
	NO-FLA SCRUTINY 35998-ET	840003012016462						
	NO-FLA SEAL 36140-ET	840003012016604						
29HO17677	NO-FLA SEEKER-ET	840003012016853						
	NO-FLA SENSOR-ET	840003006778420						
	NO-FLA SEPTUM 36150-ET	840003012016614						
	NO-FLA SEQUEL 33999-ET	840003010978972						
	NO-FLA SERGIO 42065	840003132344000						
	NO-FLA SERIES 31071-ET	840003008608841						
	NO-FLA SETUP 35501-ET	840003011527450						
	NO-FLA SHADOW 33801-ET	840003010978774						
	NO-FLA SHAKER 36209-ET	840003012016673			C			
	NO-FLA SHEA 40713	840003126952518						
	NO-FLA SHELDON 41022	840003129449139						
	NO-FLA SHELDON 42785-ET	840003132344720						
	NO-FLA SHIELD 35721-ET	840003011527670						
	NO-FLA SHIELD 42181-ET	840003132344116						
	NO-FLA SHIFT 31501-ET	840003008609271		C	C			
	NO-FLA SHIFT 33534-ET	840003009976701						
	NO-FLA SHIFT 39634-ET	840003125079242						
	NO-FLA SHINGO-ET	840003009524112						
	NO-FLA SHORTCUT 35853	840003012016317						
	NO-FLA SIEGE 30988-ET	840003008608758						
	NO-FLA SIGNAL 32635-ET	840003009524836						
	NO-FLA SIGNIFY 35604-ET	840003011527553						
	NO-FLA SIGNUP-ET	USA 66087769						
	NO-FLA SIMONE 41290-ET	840003129449407						
	NO-FLA SINGULAR 36803-ET	840003013071426						
	NO-FLA SIZZLE 34781-ET	840003010979754						
29HO18166	NO-FLA SIZZLER-ET	840003126952496						
	NO-FLA SLAMDUNK 29372-ET	840003007939515						
	NO-FLA SLEDGE 33759-ET	840003009976926						
	NO-FLA SLEDGE 39743	840003125079351						
	NO-FLA SNAP 34936-ET	840003011526885						
	NO-FLA SNAP 37469-ET	840003013072092						
	NO-FLA SOAR 34790-ET	840003010979763						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA SOLAR 31881-ET	840003009524082						
	NO-FLA SOLO 35956-ET	840003012016420						
	NO-FLA SOLUTION 35805-ET	840003012016269						
	NO-FLA SOLUTION 40580-ET	840003126952385						
	NO-FLA SOLUTION 42658-ET	840003132344593						
	NO-FLA SORT 36826-ET	840003013071449			C			
	NO-FLA SORT 41931-ET	840003132343866						
	NO-FLA SOURCE 36822-ET	840003013071445						
	NO-FLA SOUTHPAN 34797-ET	840003010979770						
	NO-FLA SPARK 35328-ET	840003011527277						
99HO07043	NO-FLA SPARTAN-ET	USA 66652381						
	NO-FLA SPECIFY 33920-ET	840003010978893						
	NO-FLA SPECTRUM 38058-ET	840003014562896						
	NO-FLA SPIREX 33124-ET	840003009976291			C			
	NO-FLA SPIREX 39326	840003125078934						
	NO-FLA SPREE 35705-ET	840003011527654						
	NO-FLA SPRINT 37900-ET	840003014562738						
	NO-FLA SPRINT 42305-ET	840003132344240						
	NO-FLA SPUR 36063-ET	840003012016527						
	NO-FLA SQUAD 33833	840003010978806			C			
	NO-FLA STABILE 35515	840003011527464						
	NO-FLA STABLE 34394-ET	840003010979367						
	NO-FLA STAFF 34441-ET	840003010979414						
	NO-FLA STAKE 38951-ET	840003125078559						
	NO-FLA STAMP 37948-ET	840003014562786						
	NO-FLA STANDBY 35857-ET	840003012016321						
	NO-FLA STAPLE 31578-ET	840003008609348						
29HO13511	NO-FLA STARTUP-TW	USA 63021041	C		C			
7HO11135	NO-FLA STASH 28390-ET	840003007025020						
	NO-FLA STATLER 35687-ET	840003011527636						
	NO-FLA STATUS 29420-ET	840003007939563						
	NO-FLA STATUS 34177-ET	840003010979150						
	NO-FLA STATUS 40164	840003126951969						
	NO-FLA STEALTH 33797-ET	840003009976964						
	NO-FLA STEALTH 39586-ET	840003125079194						
	NO-FLA STEELE 41385-ET	840003129449502						
	NO-FLA STEELE 42387-ET	840003132344322						
	NO-FLA STEFFEN 37134-ET	840003013071757						
	NO-FLA STEPAHEAD 36718-ET	840003012017182						
	NO-FLA STERLING 38636-ET	840003014563474						
	NO-FLA STETSON 37001-ET	840003013071624						
	NO-FLA STOIC CLYDE 81692-ET	USA 73753488						
29HO18046	NO-FLA STONEY-ET	840003125079273						
	NO-FLA STRADA 38243-ET	840003014563081						
	NO-FLA STRATEGY 32826-ET	840003009975993						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA STRATEGY 40130	840003126951935						
	NO-FLA STRATIFY DAN 82236	USA 74701226						
	NO-FLA STRATISPHERE-ET	USA 66087402						
	NO-FLA STRETCH 35522-ET	840003011527471						
	NO-FLA STRIVE 36950-ET	840003013071573						
200HO10690	NO-FLA STUTTGART-ET	840003129449676						
	NO-FLA SUBMIT 34271-ET	840003010979244						
	NO-FLA SUDU 38113-ET	840003014562951						
	NO-FLA SUNUP 34355-ET	840003010979328						
29HO17678	NO-FLA SUPERBO-ET	840003012016721						
	NO-FLA SURVIVOR 36586-ET	840003012017050						
	NO-FLA SUSTAIN 32405-ET	840003009524606						
	NO-FLA SWAP 38547-ET	840003014563385						
	NO-FLA SYNERGY 35623-ET	840003011527572				C		
	NO-FLA SYSTEM 37075-ET	840003013071698						
	NO-FLA SYSTEM 42855	840003133886838						
	NO-FLA TACH 35845-ET	840003012016309						
	NO-FLA TACOMA 35349-ET	840003011527298						
	NO-FLA TACTIC 32856	840003009976023						
	NO-FLA TACTIC 39532-ET	840003125079140						
	NO-FLA TAINT 36225-ET	840003012016689			C			
	NO-FLA TAKEOFF 34557-ET	840003010979530						
	NO-FLA TALLY 31399-ET	840003008609169						
	NO-FLA TANDEM-ET	840003006778402						
	NO-FLA TANG 35144-ET	840003011527093						
	NO-FLA TANNER 41455-ET	840003129449572						
	NO-FLA TARIK 42588-ET	840003132344523						
	NO-FLA TASON 41936-ET	840003132343871						
	NO-FLA TASON 42647-ET	840003132344582						
	NO-FLA TATIC 37554-ET	840003013072177						
	NO-FLA TEBO RAJEEV 82260	USA 74701250						
	NO-FLA TECH 33870	840003010978843						
	NO-FLA TECHY 36567-ET	840003012017031						
	NO-FLA TENET 34807-ET	840003011526756						
	NO-FLA TEXT 38775-ET	840003014563613						
	NO-FLA THEME 29403-ET	840003007939546						
566HO01221	NO-FLA THRIFT 37482-ET	840003013072105						
	NO-FLA TICKET 36091-ET	840003012016555						
	NO-FLA TICKET 40350	840003126952155						
	NO-FLA TIER 1 30649-ET	840003008161309						
	NO-FLA TIMELINE 32759	840003009524960						
	NO-FLA TIMELINE 39754-ET	840003125079362						
	NO-FLA TODD 81723-ET	USA 73753519						
	NO-FLA TOPGUN 33829	840003010978802						
1HO10863	NO-FLA TOPIC HALIFAX	840003008609558						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA TOPTIER 38684-ET	840003014563522						
	NO-FLA TORQUE 32422-ET	840003009524623						
	NO-FLA TORQUE-ET	840003006778436						
	NO-FLA TOUT 34195-ET	840003010979168						
	NO-FLA TRACKER 28838-TW	840003006559527						
	NO-FLA TRACKER 33842-ET	840003010978815						
	NO-FLA TRACKER 40068-ET	840003126951873						
	NO-FLA TRADE 34496-ET	840003010979469						
29HO17527	NO-FLA TRADEMARK-ET	840003011526993						
	NO-FLA TRAE 42821-ET	840003133886804						
	NO-FLA TRAE 81640-ET	USA 73753436						
	NO-FLA TRAIT 34028-ET	840003010979001						
	NO-FLA TRAJECT 35304-ET	840003011527253						
	NO-FLA TRAVERSE 41536-ET	840003129449653						
	NO-FLA TRAVINO 42874-ET	840003133886857						
	NO-FLA TRAVON 40889-ET	840003129449006						
	NO-FLA TRIBAL 35197-ET	840003011527146						
	NO-FLA TRIBAL 39744-ET	840003125079352			C			
	NO-FLA TRIBUTE 31672-ET	840003008609442						
	NO-FLA TRIPP 28280	840003007024910		C				
	NO-FLA TRONE 41304-ET	840003129449421						
	NO-FLA TROVE 28407-ET	840003007025037						
	NO-FLA TRUMP 31944-ET	840003009524145						
566HO01201	NO-FLA TRUST 34476-ET	840003010979449					C	
11HO11756	NO-FLA TURVY JASHAUN 80969	USA 73163259						
	NO-FLA TUTELAGE 35490-ET	840003011527439						
	NO-FLA TWEAK 38191-ET	840003014563029						
	NO-FLA TWINSTAR 37147-ET	840003013071770						
	NO-FLA TYWAN 40699-ET	840003126952504						
	NO-FLA ULTRASONIC-ET	840003006778122						
200HO10520	NO-FLA UNIFORM-ET	840003126951742						
	NO-FLA UNISON 34332-ET	840003010979305						
	NO-FLA UNIT 33845-ET	840003010978818						
200HO03858	NO-FLA UNITE-ET	840003008609170						
	NO-FLA UNWIND 37816-ET	840003014562654						
	NO-FLA UPDATE 30235-ET	840003008160895			C			
	NO-FLA UPDATE 31284	840003008609054						
	NO-FLA UPDATE-ET	840003006778424						
	NO-FLA UPFRONT 38442-ET	840003014563280						
	NO-FLA UPGRADE 34418-ET	840003010979391						
	NO-FLA UPGRADE-ET	USA 66087086						
	NO-FLA UPSIDE 35723-ET	840003011527672						
	NO-FLA UPTAKE 36984-ET	840003013071607						
	NO-FLA UPTAKE 42036-ET	840003132343971						
	NO-FLA UPTURN	840003006778277						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-FLA VALID 33716	840003009976883						
	NO-FLA VANTAGE 35195-ET	840003011527144						
	NO-FLA VANTAGE 39776-ET	840003125079384						
14HO07413	NO-FLA VARIANT 35625-ET	840003011527574						
	NO-FLA VARIETY 35626-ET	840003011527575						
	NO-FLA VARIETY 40457-ET	840003126952262						
	NO-FLA VARIETY 41804-ET	840003132343739						
	NO-FLA VAULT 33444-ET	840003009976611						
	NO-FLA VAULT 40544-ET	840003126952349						
	NO-FLA VECTOR 33458-ET	840003009976625						
	NO-FLA VENUE 38677-ET	840003014563515						
	NO-FLA VERDICT 37509-ET	840003013072132						
	NO-FLA VERDICT 42117-ET	840003132344052						
	NO-FLA VERIFY 31967-ET	840003009524168			C			
	NO-FLA VERMEER 38601-ET	840003014563439						
	NO-FLA VERSION 34192-ET	840003010979165					C	
	NO-FLA VEST 31947-ET	840003009524148						
	NO-FLA VESTIGE 34897-ET	840003011526846						
	NO-FLA VETERAN-ET	840003006777898						
	NO-FLA VIABLE 30164-ET	840003008160824						
	NO-FLA VIDEO 38330-ET	840003014563168						
	NO-FLA VIRTUAL 35001-ET	840003011526950						
	NO-FLA VIRTUAL 42087-ET	840003132344022						
	NO-FLA VISA 37352-ET	840003013071975						
	NO-FLA VISION 38930-ET	840003125078538						
	NO-FLA VISTA 34842-ET	840003011526791			C			
	NO-FLA VITAL 35154-ET	840003011527103						
	NO-FLA VITALITY 35961-ET	840003012016425						
	NO-FLA VITALITY 40599	840003126952404						
	NO-FLA VITALITY 41088	840003129449205						
	NO-FLA VITALITY-ET	840003006777983						
	NO-FLA VIVID 34875	840003011526824			C			
	NO-FLA VOTER 34265-ET	840003010979238						
	NO-FLA VOTER 39372	840003125078980						
	NO-FLA VOW 31427-ET	840003008609197						
	NO-FLA VOW 36064-ET	840003012016528						3
	NO-FLA WAGONER-ET	840003006778319						
	NO-FLA WAIVER 30058-ET	840003008160718					C	
	NO-FLA WARREN 37212-ET	840003013071835						
	NO-FLA WARREN 41802-ET	840003132343737						
	NO-FLA WARY 35492-ET	840003011527441						
	NO-FLA WARY 39298-ET	840003125078906						
	NO-FLA WATERMARK 36020-ET	840003012016484						
	NO-FLA WATERMARK 40547	840003126952352						
	NO-FLA WATERMARK 42539-ET	840003132344474						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
29HO14842	NO-FLA WATKINS-ET	840003006778152						
	NO-FLA WEBSITE 35983-ET	840003012016447						
	NO-FLA WEBSITE 40278	840003126952083						
	NO-FLA WHET 33283-ET	840003009976450						
	NO-FLA WILDCARD 32042-ET	840003009524243			C			
	NO-FLA WINDSOR 34923-ET	840003011526872						
	NO-FLA WIPEOUT 80714	USA 73163004						
	NO-FLA WIRELESS 34611-ET	840003010979584						
	NO-FLA WORKOUT 32182-TW	840003009524383						
	NO-FLA WRIGHT-ET	840003006777940						
	NO-FLA WRINGER 36916-ET	840003013071539						
	NO-FLA WRIT 29963-ET	840003008160623						
	NO-FLA YAZAR 42572-ET	840003132344507						
	NO-FLA ZACCARY 42454-ET	840003132344389						
	NO-FLA ZACK 40970	840003129449087						
	NO-FLA ZAKERY 41068-ET	840003129449185						
	NO-FLA ZINC 41635-ET	840003129449752						
	NO-FLA ZONE 37267-ET	840003013071890						
	NO-LIMIT AIRLIFT LANDIS	USA 73129535						
	NO-LIMIT ATWOOD LAMONT-ET	840003126252525						
	NO-LIMIT ATWOOD MR AVERY	USA 73129497						
	NO-LIMIT BEEMER ARCHIVE	840003133580818					C	
	NO-LIMIT BEEMER HANS	840003128057749						1
	NO-LIMIT BEEMER LAZER-ET	840003131565354						
	NO-LIMIT BOMBERO AMADEUS	840003131565451						
	NO-LIMIT BROKAW AXEL	USA 71686854					C	
	NO-LIMIT BROKAW HANSEL	USA 72564622						
	NO-LIMIT BROKAW HORIZON	USA 72226293						
	NO-LIMIT BROKAW L5 LYRIC	840003131565373						
	NO-LIMIT BROKAW LELAND-ET	USA 72226278		C				
	NO-LIMIT BROKAW LEON-TW	840003126252576						
	NO-LIMIT BROKAW LUCK	840003126252581						
	NO-LIMIT CAMERON AUGGIE-ET	USA 71686802						
100HO03120	NO-LIMIT CASINO LABRON-ET	USA 70708341		C				
100HO03121	NO-LIMIT CASINO LUIGI-ET	USA 70708342						3
	NO-LIMIT CHELIOS BERT	USA 73129466						
	NO-LIMIT DALEN BART	840003124671937						1
	NO-LIMIT DECEIVER ASHTON	840003131565444						
	NO-LIMIT DEMAN ATOMIC-ET	840003133580792					C	
	NO-LIMIT EPIC LYLE-ET	USA 71686879						
	NO-LIMIT FREDDIE ANGELO	USA 70229973					C	
	NO-LIMIT G CHIP LINCOLN-TW	USA 73129455						1
	NO-LIMIT G CHIP LUKE-TW	USA 73129454						
100HO03171	NO-LIMIT G W ATWOOD 5644-ET	USA 69987147						
100HO03172	NO-LIMIT G W ATWOOD 5665-ET	USA 69987168		C				

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-LIMIT GCHIP ALMOND JOY	840003128057830						
	NO-LIMIT GCHIP LIA	840003124671955						
	NO-LIMIT GLD CHIP ADRIAN-ET	USA 72226211						
	NO-LIMIT GLDDUST BARKLEY-ET	USA 73129548						1
	NO-LIMIT GLDDUST BRAUN-ET	USA 73129552						1
	NO-LIMIT GLDDUST BROCK-ET	USA 73129551						1
	NO-LIMIT GOLD CHIP ADAM-ET	USA 72226210						
	NO-LIMIT GOLD CHIP ALDEN-ET	USA 70708432						
	NO-LIMIT GOLD CHIP ALDO-ET	USA 70708424						
	NO-LIMIT GOLD CHIP ASH-ET	USA 70708431						
	NO-LIMIT GOLD CHIP IVAN-ET	USA 71686846						
	NO-LIMIT GOLD CHIP LEGO-ET	USA 71253563						
	NO-LIMIT GOLD CHIP LUCKY	USA 73129542						
	NO-LIMIT GUTHRIE ADOLPH-ET	USA 71253528						
	NO-LIMIT GUTHRIE ALFONSO-ET	USA 71253530						
	NO-LIMIT GUTHRIE LAYNE-ET	USA 71253559						
	NO-LIMIT KB BACHELOR-ET	840003131565361						1
	NO-LIMIT KB BARCLAY-ET	840003131565362						1
	NO-LIMIT L5 COREY LADD-ET	840003128057747						
	NO-LIMIT L5 COREY LARS-ET	840003128057751						
	NO-LIMIT L5 COREY LUKE-ET	840003128057750						
	NO-LIMIT LITHIUM ACHILLES	USA 72226301						
	NO-LIMIT LITHIUM BELDARA	USA 72226292						
	NO-LIMIT LOTTOMAX 6058-ET	USA 74518110		C				
	NO-LIMIT MARDIGRAS LEBRON	840003133580776						
	NO-LIMIT MAYFIELD LEONARDO	USA 73129488			C			
	NO-LIMIT MCCUTCHEN ADAM	840003124671899						
	NO-LIMIT MCCUTCHEN ALEC	840003126252597					C	
	NO-LIMIT MCCUTCHEN LABOWSKI	840003133580801		C				
44HO00433	NO-LIMIT MERIDIAN LIAM-ET	USA 72564655						
	NO-LIMIT O DADDY LOKIE	USA 72564694						
	NO-LIMIT SHAMROCK 5957	USA 71845567						
44HO00431	NO-LIMIT SHAN LAVERICK-ET	USA 72564679						
	NO-LIMIT SHAN LEEANNA	USA 72564699						
	NO-LIMIT SILVER BULLET-ET	840003133580770					C	
	NO-LIMIT SNOWDEN LEGO-TW	USA 71686866						1
	NO-LIMIT SNOWDEN LUIGI-TW	USA 71686865						1
	NO-LIMIT SUDAN BANJO-ET	USA 72226255					C	
	NO-LIMIT SUDAN BECKETT-ET	USA 72226256						
	NO-LIMIT SUPERSIRE ADAM	USA 73129494						
	NO-LIMIT UNO ALBERT-ET	USA 72226225						
44HO00429	NO-LIMIT UNO AQUARIUS-ET	USA 72226280						
44HO00430	NO-LIMIT UNO ARCHER-ET	USA 72226277						
	NO-LIMIT UNO BARRETT-ET	USA 73129457						1
	NO-LIMIT UNO L5 LATIMER	840003124671885						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NO-LIMIT UNO LAIRD-ET	840003128057798						
	NO-LIMIT UNO LEFTY-ET	840003128057806						1
	NO-LIMIT UNO LOBO	USA 73129456						
44HO00434	NO-LIMIT UNO LOYAL-ET	USA 72564636		C				
	NO-LIMIT UNO LUCIAN-ET	840003128057801						
	NO-LIMIT UNO LUNA-ET	840003124671961		C				
21HO01288	NO-VAE NEWSDAY-ET	USA 2027535						
76HO50002	NOAH-ET	NLD 584209662						
	NOBLAND ALEXANDER BRETT-ET	USA 69221158						
	NOBLAND ALEXANDER PEYTON	USA 69221156						1
	NODOLFLAND MONSTER-RED	USA 71369145						1
	NODOLFLAND WINDBROK BOOM-ET	USA 71369125						1
202HO00788	NOG MOTIV	DEU 117134745		C			C	
200HO07766	NOOIJEN NUTELLA	NLD 888659332						
11HO10158	NOR-BERT ALTAFORBES-ET	USA 63501623	C					
	NOR-BERT ANCHORAGE	USA 66885232						
	NOR-BERT BACKUP	USA 63501606						
	NOR-BERT CACTUS	USA 63501620						
	NOR-BERT CALCULATE-ET	USA 66885210						
11HO07978	NOR-BERT CALYPSO-TW	USA 132337980						
	NOR-BERT CARCROSS-ET	USA 66885220						
	NOR-BERT CARD-ET	USA 71221233						
	NOR-BERT CATAPULT-ET	USA 65635736	C					
200HO05827	NOR-BERT CAVENDISH-ET	USA 63501602						
	NOR-BERT CD-RED-ET	USA 71221232		C				1
29HO13276	NOR-BERT CEDRIC	USA 62107159	C					
100HO10763	NOR-BERT CHIME-ET	USA 63501585						
29HO13885	NOR-BERT CIRCA-ET	USA 63501604						1
29HO17631	NOR-BERT CLICK-PP	USA 71221235						
7HO08959	NOR-BERT COLLECTION-ET	USA 62107149						
	NOR-BERT COLTON	USA 66885214						
7HO09114	NOR-BERT COMPRESS	USA 62487949						
200HO09801	NOR-BERT COMPLIMENT-ET	USA 134776747						
	NOR-BERT CONNECT P-ET	USA 71221234						1
	NOR-BERT CONNECT-ET	USA 66885213		C				
200HO02289	NOR-BERT CONNECTION-ET	USA 63501586	C					
	NOR-BERT CONSIDER-ET	USA 66885217						
	NOR-BERT CONTAIN-ET	USA 66885216						
	NOR-BERT COOPER-P-RED	USA 71221211						
	NOR-BERT CUSTOM-ET	USA 66885215						
44HO00349	NOR-BERT CYCLONE-ET	USA 134245281						1
7HO07889	NOR-BERT DAKOTA-ET	USA 133184361						
	NOR-BERT DASHER-ET	840003132392027					C	
	NOR-BERT DAZZLE-ET	840003132392029			C		C	
	NOR-BERT DC 151-ET	USA 72588408						

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NOR-BERT DC 18398	840003128818398						
	NOR-BERT DELALY-ET	USA 72588411			C			
7HO07874	NOR-BERT DODGE-ET	USA 133184370						
	NOR-BERT DONE-ET	USA 72588410						
	NOR-BERT DYNAMIC-ETS	USA 71221202			C			
	NOR-BERT DYNOMO-ETS	USA 71221199			C			
	NOR-BERT EFFICIENCY P	USA 71221228						
1HO06943	NOR-BERT EMERSON EVERETT-ET	USA 129909510						
1HO07383	NOR-BERT HERSHEL COLIN-ET	USA 131570267						
	NOR-BERT KACHEMAK-P	840003128818408						
7HO06676	NOR-BERT KILO LINCOLN-ET	USA 128509070						
714HO00010	NOR-BERT LIBERTY-P-ET	DEU 769144963						
	NOR-BERT LUCKY ONE-ET	USA 66885225						
	NOR-BERT LUCKY TWO-ET	USA 66885226						
1HO10452	NOR-BERT LUCKY-ET	USA 66885224						
100HO03181	NOR-BERT MADE-ET	USA 71221218						1
100HO03124	NOR-BERT MAGNET-ET	USA 71221212					C	
29HO14103	NOR-BERT MATIC-ET	USA 64788382						
	NOR-BERT MC 152-ET	USA 72588409						
100HO03180	NOR-BERT MCCOY-ET	USA 71221219					C	1
100HO03179	NOR-BERT MEMBER-ET	USA 71221220						1
100HO11453	NOR-BERT MIDWEST-ET	USA 71221217					C	
100HO03123	NOR-BERT MILEHIGH-P-ET	USA 71221214					C	
29HO16225	NOR-BERT MILES-ET	USA 66885228						
	NOR-BERT MINIMUM	USA 71221230						
7HO09952	NOR-BERT MISSOULA	USA 64788405						
100HO03122	NOR-BERT MOBILE-P-ET	USA 71221213					C	
7HO06970	NOR-BERT MTOTO MERCURY-ET	USA 130039046						
	NOR-BERT MUSTANG-ET	USA 66885229						
	NOR-BERT POWERPLAY	USA 69917754						
	NOR-BERT REEDING-ET	USA 64788403						
1HO02684	NOR-BERT RETAIL-ET	USA 64788402						
7HO08957	NOR-BERT REWARD-ET	USA 62107142	C					
100HO03174	NOR-BERT RIVER RUN-ET	USA 71221215						
	NOR-BERT SKAGWAY	USA 66885221						
	NOR-BERT SPARKER	840003132392034						
	NOR-BERT-ES EFFECT	USA 71221229						
29HO14111	NOR-BERT-ES ROYALTY-ET	USA 64788400						
29HO01928	NOR-LENE ALSTAR PILOT	USA 1508339						
	NOR-RICH-ACRES ARM TURBO-ET	USA 140056431						
1HO02239	NOR-SOM CONVERSE SKYWAY-ET	USA 2295657						
11HO04666	NOR-SOM KENT ARAPHOE-ET	USA 2289857						
	NOR-WAY-PETE LANDO-RED-ET	USA 66858506						
	NOR-WAY-PETE LINCOLN-RED-ET	USA 66858508						
	NOR-WAY-PETE LIONEL-RED-ET	USA 66858509						

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200HO06367	NORCA BUSY	CAN 106935795						
200HO10140	NORCA SILKY ALONZO-ET	CAN 107685055						
200HO10223	NORCA SILKY ARCO-ET	CAN 108398113						
	NORDET VAPORUM-ET	CAN 5545165						
	NORDIC-CREST GOLDWYN AMADOR	USA 64943989						1
	NORDIC-HAVEN CHIEF-ET	USA 126142583						
200HO04605	NORDIC-HAVEN COMANDER-ET	USA 60083017						
	NORDIC-HAVEN DOMINATE-ET	USA 141473525	C					
	NORDIC-HAVEN DREAM BIG-ET	USA 141473516						
7HO06195	NORDIC-HAVEN FOR CONRAD-ET	USA 120499799	C					
7HO06755	NORDIC-HAVEN MTO CAPTIAN-ET	USA 126142613						
29HO11422	NORDIC-HAVEN SONNY	USA 60411104						
29HO16147	NORDIC-RIDGE MAN-OMAN JAPAN	USA 69763919						
29HO17940	NORDIC-RIDGE OLYMP YANCY-ET	USA 72799242			C			
	NORDIC-RIDGE SHOTTLE GENTRY	USA 63732648					C	
29HO14200	NORK-VALLEY MALIK-ET	USA 64060133						3
29HO13086	NORK-VALLEY MERIDIAN-ET	USA 60645167						
9HO01324	NORMALYN ROTATE CADET-ET	USA 2035169						
14HO06108	NORMANNA ARMSTD BENTLEY-ET	840003004222448						
29HO14586	NORMANNA BENTON-ET	USA 139643981						
	NORMANNA BOGGLE-ET	USA 139949041						
7HO09587	NORMANNA BUCKEYE SUBLIME	USA 138124542						
	NORMANNA COLBY BENSON-ET	USA 139390173						
	NORMANNA COLBY BREWER-ET	USA 139390191						
	NORMANNA DOBERMAN JIVE-ET	USA 141599328						
14HO05709	NORMANNA ELEGANT SUBPOP-ET	USA 138124515	C					
	NORMANNA GARRETT BING-ET	USA 141215518						
	NORMANNA LEVI BARNEY	USA 141834234						
	NORMANNA MASCOL B1-ET	USA 139643927						
	NORMANNA O-STYLE BELLHOP	USA 141834207						
29HO13643	NORMANNA SUNSET-ET	USA 138080989						
	NORMANTON MOSHAN SHORE	USA 142584730						
	NORMANTON O-STYLE SAMUEL-ET	USA 141990521						
1HO05392	NORRBOM MAJIC ACT-ET	USA 17313036						
14HO02996	NORRBOM PATHFINDER-ET	USA 17281499						
7HO06182	NORRBOM SUNSHINE-ET	USA 120819445						
11HO05889	NORRIELAKE ACCLAIM-ET	USA 124654077						
9HO02275	NORRIELAKE B-T SCHULTE-ET	USA 2272989						
11HO03073	NORRIELAKE CLEITUS LUKE-TW	USA 2071864						
200HO01465	NORRIELAKE ELBERT	USA 129422736						
1HO05062	NORRIELAKE ELTON RUMOR-ET	USA 2278648						
11HO08031	NORRIELAKE HATLEY	USA 132277989						
1HO05793	NORRIELAKE MAN EXTREME-ET	USA 128803259						
	NORRIELAKE MATTI VINTAGE-ET	USA 122917279						
14HO04697	NORRIELAKE MORT BISMARCK-ET	USA 134878207	C					

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NORSTAD JARDIN JACE-ET	USA 139360284	C			C		
29HO14318	NORSTAD JARDIN JAKE-ET	USA 139360275	C					
	NORTH HAVEN FINESSE-ET	CAN 10694519						
200HO01618	NORTH HAVEN FOCUS-ET	CAN 10791487						
	NORTH HAVEN LAVAL-ET	CAN 7322829	C					
	NORTH HAVEN SPECIALIST-ET	CAN 6805603						
	NORTH-ECHO ABSR DELVIN-ET	USA 69618037						
	NORTH-ECHO ALTADEMOLISH-ET	USA 66079396						
11HO11032	NORTH-ECHO ALTAHIROLLER	USA 68816240						
	NORTH-ECHO ANDERSON 109-ET	USA 71974305						
	NORTH-ECHO AVERY 822-ET	USA 70309625						
	NORTH-ECHO BEACON 739-ET	USA 70309542						
	NORTH-ECHO BOOKEM HIGH-ET	USA 69679505						
	NORTH-ECHO BOWSER 795	USA 70309598						
	NORTH-ECHO BRODIE 685-ET	840003127565591						
	NORTH-ECHO CAMERON 1-ET	USA 71974197						
	NORTH-ECHO CAMERON 2-ET	USA 71974198						
	NORTH-ECHO CAMERON 996-ET	USA 70309799						
	NORTH-ECHO CAMERON 997-ET	USA 70309800						
	NORTH-ECHO CAMERON 998-ET	USA 70309801						
	NORTH-ECHO CASSINO SPADE-ET	USA 68816213						
29HO16992	NORTH-ECHO CENTRIC-ET	USA 71974232						
	NORTH-ECHO CRABTREE 384-ET	USA 71974580						
	NORTH-ECHO DAY 108-ET	USA 71974304						
	NORTH-ECHO DAY 111-ET	USA 71974307						
	NORTH-ECHO DAY 112-ET	USA 71974308						
	NORTH-ECHO DAY 113-ET	USA 71974309						
	NORTH-ECHO DAY 119-ET	USA 71974315						
	NORTH-ECHO DEFENDER 377-ET	USA 71974573						
	NORTH-ECHO DEYJA 513-ET	840003127565419						
	NORTH-ECHO DOMINGO 758-ET	USA 70309561						
	NORTH-ECHO DOMINGO 759-ET	USA 70309562						
	NORTH-ECHO FACEBOOK 849-ET	USA 70309652						
1HO10602	NORTH-ECHO FREDDIE ACTUAL	USA 69679480						
29HO17598	NORTH-ECHO FURIOUS-ET	USA 71974329						
	NORTH-ECHO GALAXY DITTO-ET	USA 71974266						
	NORTH-ECHO GERARD 785-ET	USA 70309588						
	NORTH-ECHO GOLD CHIP 857	USA 70309660						
	NORTH-ECHO HIGHWAY 47-ET	USA 71974243						
	NORTH-ECHO HIGHWAY 49-ET	USA 71974245						
	NORTH-ECHO HIGHWAY 50-ET	USA 71974246						
	NORTH-ECHO HIGHWAY 77	USA 71974273						
	NORTH-ECHO JABIR 395-ET	USA 71974591						
29HO17695	NORTH-ECHO KAETO	USA 71974363						
	NORTH-ECHO KRAMER 878-ET	USA 70309681			C			

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	NORTH-ECHO KRUNCH 73-ET	USA 71974269						
	NORTH-ECHO KRUNCH 78-ET	USA 71974274						
7HO12118	NORTH-ECHO LABEL 1000-ET	USA 70309803						
	NORTH-ECHO LARGE 200	USA 71974396						
	NORTH-ECHO LATIMER 137-ET	USA 71974333						1
	NORTH-ECHO LATIMER 182-ET	USA 71974378						
	NORTH-ECHO LITHIUM 10-ET	USA 71974206						
	NORTH-ECHO LITHIUM 25-ET	USA 71974221						
	NORTH-ECHO LITHIUM 37-ET	USA 71974233						
	NORTH-ECHO LITHIUM 38-ET	USA 71974234						
	NORTH-ECHO LITHIUM 5-ET	USA 71974201						
	NORTH-ECHO LITHIUM 9-ET	USA 71974205						
	NORTH-ECHO LITHIUM 999-ET	USA 70309802						
	NORTH-ECHO MAC DUSTIN-ET	USA 66079394						
	NORTH-ECHO MAC DUSTY-ET	USA 66079395						
	NORTH-ECHO MASSEY 129-ET	USA 71974325						
	NORTH-ECHO MASSEY 196	USA 71974392						
	NORTH-ECHO MAYFIELD 144-ET	USA 71974340			C			
	NORTH-ECHO MAYFIELD 146-ET	USA 71974342						
	NORTH-ECHO MEGA COOL-ET	USA 66079434						
	NORTH-ECHO MEGA STAR-ET	USA 66079433						
	NORTH-ECHO MILLION DANCE-ET	USA 68816189		C				
	NORTH-ECHO MILLION LEMA-ET	USA 68816160		C				
7HO10871	NORTH-ECHO MILLION LIMA-ET	USA 68816159						
	NORTH-ECHO MILLION LUST-ET	USA 68816162						
250HO12704	NORTH-ECHO MINSTREL 420-ET	USA 71974616						
	NORTH-ECHO MOGUL 67-ET	USA 71974263						
	NORTH-ECHO MONTROSS 422-ET	USA 71974618						
	NORTH-ECHO MONTROSS 484-ET	USA 71974680						
	NORTH-ECHO MONTROSS 487-ET	USA 71974683						
	NORTH-ECHO MORGAN 206	USA 71974402					C	
7HO12162	NORTH-ECHO NUMERO UNITE-ET	USA 71974231						
	NORTH-ECHO NUMERO UNO 39-ET	USA 71974235						
	NORTH-ECHO OBSERVER 807-ET	USA 70309610						
14HO07018	NORTH-ECHO OBSR DYNAMIC-ET	USA 70309607						
	NORTH-ECHO ODADDY 162	USA 71974358		C				
	NORTH-ECHO PARADISE 175-ET	USA 71974371						
14HO06919	NORTH-ECHO PARK BENCHY-ET	USA 70309512						
	NORTH-ECHO PARK FORMY-ET	USA 70309510						
	NORTH-ECHO PARKER 738-ET	USA 70309541						
	NORTH-ECHO PARKER 850-ET	USA 70309653						
1HO10652	NORTH-ECHO PARKER BOXER-ET	USA 70309506						
	NORTH-ECHO PLANET DEBUEW-ET	USA 68816235						
7HO10674	NORTH-ECHO PLANET LISTER-ET	USA 66079430						
	NORTH-ECHO PREDESTINE 266	USA 71974462						3

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Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NORTH-ECHO PURE 495-ET	USA 71974691						
	NORTH-ECHO PURE 498-ET	USA 71974694						
	NORTH-ECHO S-J CORROSIVE-ET	USA 66079408				C		
29HO14597	NORTH-ECHO S-J EXPLOSIVE-ET	USA 66079409				C		
	NORTH-ECHO SAJAC 76-ET	USA 71974272						
	NORTH-ECHO SAJAC 86-ET	USA 71974282						
	NORTH-ECHO SANCHEZ JRETT	USA 66079460						
	NORTH-ECHO SHAMROCK 776-ET	USA 70309579						
	NORTH-ECHO SHAMROCK 778-ET	USA 70309581						
	NORTH-ECHO SSI LTHM AUTO-ET	USA 71129523						
	NORTH-ECHO SUDAN 41	USA 71974237						
	NORTH-ECHO SUPERSHOT 653-ET	840003127565559						
	NORTH-ECHO TANGO 371-ET	USA 71974567		C				
29HO17694	NORTH-ECHO TULSA	USA 71974427						
29HO14091	NORTH-FORK DEXTER-ET	USA 63528164						
29HO13347	NORTH-FORK DIAZ-ET	USA 62503162						
	NORTH-FORK JOSE WILLY	USA 64801593				C		
1HO08991	NORTH-FORK RAMOS BIG DAV-ET	USA 62503161						
	NORTH-RIDGE PLANET HEAT	USA 71045275						
	NORTH-RIDGE SHOTTLE MELVIN	USA 69066566						
1HO06994	NORTH-RUSH COPPER AUSTIN-ET	USA 60225521	C					
29HO10341	NORTH-RUSH JEFF ANTON-ET	USA 129360797						
	NORTH-RUSH SHAKESPEARE DUKE	USA 69196236						
	NORTH-RUSH SUPERSIRE ROY	USA 142829084	C					
	NORTH-RUSH SUPSIRE RANDY-ET	USA 142829075						
	NORTHERN-LITES MONSOON-ET	840003128977750						
138HO04735	NORTHWIND MARMAX LEONID-RED	USA 61975378						
6HO00787	NORTHWIND PRDX LOGAN-RED-ET	USA 51492588						
138HO04765	NORTHWIND-KC LEADER-RED-ET	USA 69921953						1
	NORWESCOR ALEXANDER LUCKY	USA 70084350						1
7HO06541	NORWESCOR LEAD LEGEND	USA 126592913						
1HO07123	NORWESCOR M-THON LEGACY-ET	USA 60148966						
7HO06932	NORWESCOR MARATHON LEE-ET	USA 60382204						
14HO05178	NORWESCOR OMAN JAMIL	USA 61786159			C			
1HO06360	NORZ-HILL FORM WIZARD-ET	USA 120754720						
76HO00321	NORZ-HILL MANDEL WINDSTAR	USA 2300763						
76HO00158	NORZ-HILL P WINNER-ET	USA 2238050						
76HO00433	NORZ-HILL-MH I WHIZ O-ET	USA 132566755						
76HO00559	NORZ-HILL-W ADONIS-ET	USA 62725545						
7HO09814	NOSBISCH FORTUNE BARTRAM-ET	DEU 768950272	C			C		
202HO00904	NOSBISCH HOLSTEINS SYLT P-ET	DEU 355154500			C			
11HO10514	NOVA ALTAELEMENT	USA 139539347						
11HO10524	NOVA ALTATEMPO-ET	USA 139539329						
	NOVA BOOKEM EXPRESS-ET	USA 69402399						1
	NOVA CYPRUS E MASTER-ET	USA 69402423						

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	NOVA JEEVES EDWIN-ET	USA 66614923						
	NOVA JEEVES EXPO-ET	USA 66614925						
	NOVA PLANET LANGSTON	USA 66614884						
	NOVA ROBUST EMBLAZE	USA 69402467						3
1HO10465	NOVA SEBASTIAN EMPIRE-ET	USA 69402333						1
	NOVA SEBASTIAN ENDLESS-ET	USA 69402335						
	NOVA SEBASTIAN ESENTIAL-ET	USA 69402318						
	NOVA SHAMROCK ELSWORTH-ET	USA 69402457						
29HO14863	NOVA TMJ EUCLID-ET	USA 66614886						
200HO02248	NOVA-HD ARDENT-ET	USA 137922325						
	NOVA-TMJ ACTIVE ELITE	USA 66614926						
11HO10523	NOVA-TMJ ALTAEXPRESS	USA 139539338						
	NOVA-TMJ BOGART EINSTEIN-ET	USA 69402311			C			1
	NOVA-TMJ BRONCO EVAN-ET	USA 69402360			C			1
	NOVA-TMJ BWSR EPSON-ET	USA 69402361						3
7HO09787	NOVA-TMJ DAMION EMERALD-ET	USA 138618432						
	NOVA-TMJ DOTSON ESQUIRE-ET	USA 69402348						
29HO13774	NOVA-TMJ ELEGANT ENTITY-ET	USA 138420714						
	NOVA-TMJ EMAN-ET	USA 69402321						
200HO02241	NOVA-TMJ ERA-ET	USA 137931497						
7HO10702	NOVA-TMJ EXCEL	USA 66614854				C		
	NOVA-TMJ EXPLOSION	USA 69402466						
	NOVA-TMJ JEEVES EARP-ET	USA 66614915						1
	NOVA-TMJ JEEVES EASTON-ET	USA 66614912						1
	NOVA-TMJ MAC ETHAN	USA 66614870						
54HO04020	NOVA-TMJ MAC EVOLUSION	USA 66614853						
	NOVA-TMJ MANOMAN EDISON-ET	USA 66614929						
	NOVA-TMJ MANOMAN EMBASSY-ET	USA 69402357						
	NOVA-TMJ MILLION EAST-ET	USA 66614899						1
	NOVA-TMJ MILLION ELIOT-ET	USA 66614890		C				1
	NOVA-TMJ MILLION EMMIT-ET	USA 66614920						
	NOVA-TMJ MILLION ESPN-ET	USA 66614894						1
	NOVA-TMJ MILLION ESPY-ET	USA 66614928						
	NOVA-TMJ MOMAN ECLIPSE-ET	USA 69402319						
	NOVA-TMJ MOMAN EXRAY-ET	USA 69402328						
	NOVA-TMJ OTTO EDICT-ET	USA 69402303						
	NOVA-TMJ OTTO ELECT-ET	USA 69402307						
	NOVA-TMJ WDSE EXCLAIM-ET	USA 69402330						1
1HO05223	NOVAGEN M VENTURA TCG-ET	USA 2286706						
8HO01880	NOWERLAND BELL MASTERPLAN	USA 1994755						
8HO01779	NOWERLAND BELL METRIC	USA 1962979						
8HO02301	NOWERLAND CHIEF MACHINIST	USA 2020227						
8HO01535	NOWERLAND DAYDREAM	USA 1891195						
8HO01651	NOWERLAND DAYLIGHT	USA 1922085						
8HO00806	NOWERLAND ELEVATION ROCKY	USA 1681405						

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8HO02599	NOWERLAND EXACTA-ET	USA 2093370						
9HO01904	NOWERLAND MELWOOD MATTHEW	USA 2212841	C					
8HO01536	NOWERLAND TRIFECTA	USA 1891196						
	NSPRINGHOPE HALGEN BRUIN-ET	USA 74089326						
	NSPRINGHOPE HALOGEN 2271-ET	USA 74089328						
	NSPRINGHOPE M O M BAILEY	USA 70083556						
	NSPRINGHOPE PETRONE 2055	USA 72282236						
	NSPRINGHOPE R2 2034-ET	USA 72282215						
	NU-DIMENSION DMAND 10132-ET	USA 70874467						
	NU-DIMENSION MAURICE 164	USA 70346127						
	NU-DIMENSION PILLSNER 163	USA 70346126						
	NU-DIMENSION SUPERSIRE 158	USA 70346121						
	NU-DIMENSION SUPERSIRE 159	USA 70346122						
	NU-DIMENSION SUPERSIRE 160	USA 70346123						
	NU-DIMENSION SUPERSIRE 162	USA 70346125						
76HO50003	NUGGET-ET	NLD 522236855						
11HO06484	NUNESDALE DURHAM CLEM-ET	USA 60073806						
507HO07515	NUNESDALE DURHAM RUDY-ET	USA 60073805	C					
7HO06686	NUNESDALE FORMAN-ET	USA 128278549	C					
7HO06247	NUNESDALE KISMET ELATION-ET	USA 2280338						
	NUNESDALE NEVADA-ET	USA 2220702						
11HO04485	NUPRO KI-JANA	USA 2273184						
1HO02261	NURRES ANDREW RENO-ET	USA 2301617						
29HO14286	NURRES BAXTER SALT-ET	USA 63066867			C			
	NURRES BAXTER SPORT-ET	USA 63066868			C			
	NURRES BOLIVER BUTCH-ET	USA 66065460						
	NURRES BOLIVER SECURITY-ET	USA 66065467						
11HO06270	NURRES DAIRYMAN-ET	USA 128307548						
11HO05303	NURRES DOMINO	USA 120272914						
	NURRES GABOR SNICKERS-ET	USA 69070229						
	NURRES GABOR SNOWMAN-ET	USA 69070233						
	NURRES GABOR STEEL-ET	USA 69070228			C			
	NURRES GABOR STOCK-ET	USA 69070225			C			
9HO02267	NURRES MERRILL RUSTLER	USA 2284760						
	NURRES MR BURNS SOLITAIR-ET	USA 66065449		C	C			3
7HO08889	NURRES OMAN SANTA	USA 136103028						
	NURRES PING BLITZEN-ET	USA 69070219						
	NURRES PING BUCKLES-ET	USA 69070217						
11HO00510	NURRES REDRYDER-RED-ET	USA 17237533						
11HO00516	NURRES RUBY-RED	USA 127219291						
1HO07542	NURRES SATURN DOMAIN	USA 132844765						
29HO14494	NURRES SCORPIO-ET	USA 66065451						
200HO05700	NURRES SHERLOCK-ET	USA 138005081						
200HO06017	NURRES SLUGGER-ET	USA 66065441		C	C			3
	NURRES STAINLESS-ET	USA 66065468			C			

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

Stud Code	Name	Registration	HH1	HH2	HH3	HH4	HH5	HCD
	NURRES SWINGER-ET	USA 138947617						1
1HO07703	NURRES TRENT NATHAN	USA 133705623						
	NV-OVR STCHL TEDDY-RED-ET	USA 72031466						
	NWGA VTDairy COLT JOHNNY-ET	USA 72614491						3
	NY-SPRINGLAWN BELIEVE	USA 70543068					C	
	NY-SPRINGLAWN EC LAW-ET	USA 71444579						
	NY-SPRINGLAWN EC LAWLESS-ET	USA 71444580						
	NY-SPRINGLAWN L LEVI 674-ET	USA 71178876			C			