

**Female Carriers for Haplotypes Impacting Fertility on the Records of
Holstein Association USA, Inc. as of 05/08/2012
(Blank=Tested-Free, C=Carrier)**

Name	Registration	HH1	HH2	HH3
1265203138-ET	DEU 1265203138	C		
1403461575-ET	DEU 1403461575		C	
1403461579-ET	DEU 1403461579		C	
2ND-LOOK MAC GALA 6247-ET	840003001534115			C
2ND-LOOK MILLION 7331-ET	840003007436602		C	
2ND-LOOK MILLION 7347	840003007436618		C	
2ND-LOOK MILLION 7351	840003007436622		C	
3372304134-ET	DNK 3372304134			C
352990376-ET	DEU 352990376	C		
4181502097-ET	DNK 4181502097	C		
434207516 LYNCRESTHORIZON	NLD 434207516			C
813755429-ET	DEU 813755429	C		
A-DOUBLESTAR A-BABYRUTH-ET	USA 141526447			C
A-DOUBLESTAR EXP AMETHYST	USA 141004866		C	
A-ELSBERND MACNITE-ET	USA 138811415			C
A-ELSBERND MILLN SPARKS-ET	USA 140196997		C	
A-ELSBERND MILLON ANGELS-ET	USA 140408256		C	
A-L-H MAC FIREY-ET	USA 63730595	C		
AARDEMA DOVER 88916	840003008308420			C
AARDEMA GARNER 89457	840003008308961			C
AARDEMA JAYTON 88933	840003008308437			C
AARDEMA MAGNETISM 89057	840003008308561			C
ACKLAND EMORY GILLIAN-ET	USA 120334300			C
AGRI-FRESH SPEARMINT CINDY	USA 68975641		C	
AHO GOLDWYN PAT 3775-ETS	USA 66595475		C	
AHO GOLDWYN PATTY-ETS	USA 66595476		C	
AHO OMAN 3899	USA 68514864	C		C
AHO PLANET 3872	USA 68514837		C	
AIR-OSA AIRRAID 12071	USA 66048029	C		
AIR-OSA AL C APPLE 14324	USA 69555003	C		
AIR-OSA ATTITUDE 15715	USA 70551688	C		
AIR-OSA BRONCO LADY 14323	USA 69555002			C
AIR-OSA HAYDEN NELL 14088	USA 69554767	C		
AIR-OSA JEEVES NELL 13170	USA 66916469	C		
AIR-OSA JH-LAW 14124	USA 69554803	C	C	
AIR-OSA MAGNETI DELIA 14642	USA 69555321	C		
AIR-OSA MILLION ABBY15126	USA 70551099		C	
AIR-OSA MILLION DOTTY 13977	USA 66917276		C	
AIR-OSA NORSKI QUEEN11812	USA 65536435	C		
AIR-OSA PALMERO 15211	USA 70551184	C		
AIR-OSA PALMERO NELL 15234	USA 70551207	C		
AIR-OSA SHAMROCK 15612	USA 70551585	C		
AIR-OSA WISCONSIN 14810-RED	USA 69555489	C		
AIR-OSA-EXEL N OLA15661-ET	USA 70551634			C
AL-LEW NK SUPER LAR 1038-ET	USA 69711152	C		

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Name	Registration	HH1	HH2	HH3
ALABAMA	DEU 352352371			C
ALIDA-ET	NLD 570437646		C	
ALL-RIEHL JARDIN PRIYA-ET	USA 64010199	C		
ALL-RIEHL JOSE PAGE CRI-ET	USA 63285392	C		
ALL-RIEHL MARV PHLOX-ET	USA 69186434	C		
ALL-RIEHL MILLION PHALISHA	USA 64010240		C	
ALL-RIEHL MILLIONS FLOWER	USA 64010224		C	
ALL-RIEHL O-STYLE PITA-ET	USA 64010261			C
ALL-RIEHL PHOENIX PRIN	USA 64010218	C		
ALL-RIEHL THRONE PRIME-ET	USA 61090837	C		
ALL-WES KRAMER TANYA	USA 66112099			C
ALTA BLITZ TRIAGE	CAN 7351096	C		
ALTA FINLEY GLIM-ET	CAN 7431024	C		
ALTA FINLEY GLIMMER-ET	CAN 7431018	C		
ALTA PATTON NOVELLA-ET	CAN 7431225	C		
ALTA PATTON NOVELTY-ET	CAN 7431223	C		
ALTA SSTORM TABS LAST-ET	CAN 7431135	C		
AMES DORIAN HONEY	USA 134191500	C		
AMES DUNCAN U MARY	USA 133196025	C		
AMES FORMATION JONIE	USA 132559377	C		
AMES FORMATION STARLIGHT	USA 128596557	C		
AMES JUSTIN F STARLIGHT	USA 61963149	C		
AMES O MAN A IDA	USA 61963225			C
AMES O MAN E CHARITY	USA 61963189			C
AMES O MAN K HONEYBEE	USA 61963223			C
AMES SKIP PORTIA	USA 134404280	C		
AMMON FARMS IOTA MERRYLYNN	USA 69846363			C
AMMON FARMS MILION DIDDY-ET	USA 66339342		C	
AMMON FARMS SPRMN DEARLY-ET	USA 66339348		C	
AMMON-PEACHEY A MADELINE-ET	USA 63265100	C	C	
AMMON-PEACHEY LA MADISON-ET	USA 63265099	C		
AMMON-PEACHEY LA MAKAYLA-ET	USA 66339310	C	C	
AMMON-PEACHEY M MOONBEAM-ET	USA 66339366		C	
AMMON-PEACHEY MALLORY-ET	USA 66228143	C	C	
AMMON-PEACHEY MIL MISCHA-ET	USA 66339353		C	
AMMON-PEACHEY MIL STACIA-ET	USA 66228214		C	
AMMON-PEACHEY MIL STELLA-ET	USA 66228195		C	
AMMON-PEACHEY MILL STACI-ET	USA 66228197		C	
AMMON-PEACHEY MILL STEPH-ET	USA 66228218		C	
ANDERSTRUP SSI SNWM 5809-ET	USA 70119510			C
ANDERSTRUP SSI SNWM 5822-ET	USA 70119523			C
ANDERSTRUP SSI SNWM 5834-ET	USA 70119535			C
ANNIKA-ET	LUX 198729985		C	
ANSAL OMAN ZOARA	ITA 19990111535			C
ANY-DAY OUTSIDE PICATINE-ET	USA 134598035		C	

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Name	Registration	HH1	HH2	HH3
AOK BRETT 1474	USA 69893683	C		
AOK BRONCO 1476	USA 69893685			C
AOK GUTHRIE 1530	USA 70971249	C		
AOK KALAHARI 1475	USA 69893684	C		
AOK MILLION 1525	USA 69893734		C	
AOK MILLION 1543	USA 70971262		C	
AOK MILLION 1550	USA 70971269		C	
AOK PALERMO 1461	USA 69893670	C		
AOK PALERMO 1492	USA 69893701	C		
AOK PALERMO 1513	USA 69893722	C		
AOK ZENITH SMARTY CRI-ET	USA 63285417	C		
APPEALING BOOKEM KENDRA	USA 66551191		C	
APPEALING GOLDWN KRISTEN-ET	USA 62669869		C	
APPEALING GOLDWYN KELLY-ET	USA 62669868		C	
APPEALING MORTY DEJAVU	USA 61489193	C		
APPEALING SNOW KRYSTAL-ET	USA 70803465			C
APPEALING SNOW KWEEN-ET	USA 70803469			C
APPLOUIS MANFRED JULIET-ET	USA 127325435	C		
APPLOUIS MARSH ALLIE	USA 62815399			C
APPLOUIS MILLION BARB-ET	USA 62563378			C
APPLOUIS MILLION BRENDA-ET	USA 62563377			C
APPLOUIS MILLION BRITT-ET	USA 62563381		C	C
APPLOUIS O MY DARLING	USA 61303833			C
APRIL-DAY OS PECORINO-ET	USA 71199979			C
AQUILA O-MAN VENUS-ET	ITA 17990189786			C
ARIWAMI ATWOOD MARGO 2886	USA 141606433			C
ARIWAMI MILLION MITZIE 2518	USA 140535262		C	
ARIWAMI O MAN BREE 1947	USA 137898219			C
ARIWAMI O MAN MAGIC 2172	USA 139101904			C
ARIWAMI O-MAN MILLIE 1847	USA 137187160			C
ARIWAMI PLUS AMAZE 2239-ET	USA 139506455		C	
ARIWAMI PLUS AMAZE 2242-ET	USA 139506473		C	
ARIWAMI RAMOS MITZIE 2157	USA 138998462			C
ARIWAMI ZEN ROSINA 1906	USA 137806616		C	
ARMSON CLARK RHONDA-ET	USA 70818981		C	
ARMSON CLARK RILEY-ET	USA 70818987		C	
ARMSON CLARK ROZ-ET	USA 70818984		C	
ARMSON TOYSTORY HARLE	USA 63854838			C
ASKEW PALERMO KEYLA	USA 69969585	C		
ATH-MOR CLARK OBI-ET	USA 70648204		C	
ATH-MOR JEEVES MILLIE	USA 66184517			C
ATH-MOR PALERMO ODAY-ET	USA 70648197	C		
ATH-MOR PALERMO OKEMO-ET	USA 70648208	C		
ATH-MOR PALERMO OSLO-ET	USA 70648210	C		
AURORA AUTOPILOT 12687	USA 71216178	C		C

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AURORA BOLTON 8176	USA 63718402			C
AURORA BOLTON 8428	USA 63718654			C
AURORA BRONCO 12673	USA 71216164			C
AURORA CAMELOT 12415	USA 70599807		C	
AURORA CLARK 12470	USA 70599862		C	
AURORA COLBY 12623	USA 71216114		C	C
AURORA COLBY 12700	USA 71216191		C	
AURORA DAMASCUS 12460	USA 70599852		C	
AURORA DAMION 7709-ET	USA 63243559		C	
AURORA DURABLE 12414	USA 70599806		C	
AURORA DURHAM 5765	USA 61275049		C	
AURORA GERARD 11971	USA 70087773	C	C	
AURORA GERARD 12013	USA 70599406		C	
AURORA MANIFOLD 11990	USA 70087792			C
AURORA MILLION 12467	USA 70599859		C	
AURORA PAUL 12457	USA 70599849	C		
AURORA PAUL 12463	USA 70599855	C		
AURORA ROSS 11800-ET	USA 70087602			C
AURORA-RAMA BOOKEM HACHI-ET	USA 70599776			C
AURORA-RAMA BOOKEM HALEY-ET	USA 70599762			C
AURORA-RAMA BOOKEM HONOR-ET	USA 70599779			C
AURORA-RAMA DIGITAL HIDI-ET	USA 66374575			C
AURORA-RAMA GCHIP HEAVEN-ET	USA 71216161			C
AURORA-RAMA GOLDCHIP HAB-ET	USA 71216090			C
AURORA-RAMA NIAGRA HAITI-ET	USA 70087452			C
AURORA-RAMA SHAMROCK HEE-ET	USA 70599793			C
AURORA-RAMA SHAMROCK HOP-ET	USA 70599788			C
AURORA-RAMA SHAMROCK HOT-ET	USA 70599800			C
AURORA-RAMA SHERAC HEDYA-ET	USA 70599821			C
AURORA-RAMA SHERAC HULA-ET	USA 70599847			C
AUTUMN-RIDGE OT BODACOUS-ET	USA 134357083		C	
B-A-M MILLION BRIDGET-ET	USA 68610870		C	
B-S-D BOOKEM MORGAN 21920	USA 69530199		C	
B-S-D BOWSER DORA 21908	USA 69530187			C
B-S-D CASINO RANDI 21888-ET	USA 69530167			C
B-S-D COBRA RITZ 21948	USA 69530227			C
B-S-D COLBY BABE 21342	USA 64352048		C	
B-S-D DOBERMN RACH 21996-ET	USA 69530275			C
B-S-D DOMAIN RACHEAL 6002	USA 71342171			C
B-S-D FREDDIE TAYE 21899	USA 69530178	C		
B-S-D MILLION RAINBOW 21785	USA 69530064		C	
B-S-D MILLION RUTHIE 21924	USA 69530203		C	
B-S-D O-MAN 736	USA 61667661			C
B-S-D RACHEL TOYS 1028-ET	USA 63669154			C
B-S-D RAMOS DORITO 21985	USA 69530264			C

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Name	Registration	HH1	HH2	HH3
B-S-D SPEARMINT TEA 21495	USA 66980680	C		
B-S-D TASH SHOTTLE 997	USA 63014259	C		
BACON-HILL COBRA CAT	840003007677874		C	
BACON-HILL OSTYLE MITZI-ET	840003009276034			C
BACON-HILL PTB ROXY-RED-ET	840003007677689		C	
BACON-HILL SCURE RAE-RED-ET	840003007677746		C	
BADGER BOLIVER PATCH CRI-ET	USA 62769103			C
BADGER DURHAM PATSH-1429	USA 60183116			C
BADGER GARISON PATCH3312-ET	USA 62699063			C
BADGER JTSTREAM 1838PA 3332	USA 62699083			C
BADGER MNOMN 3427PAT4405-ET	USA 69373402			C
BADGER SHOTTLE PATS 3195-ET	USA 62207076			C
BADGER TIME PAT 4449-ET	USA 69373446			C
BADGER-BLUFF ELIAS FANNY	USA 64974241	C		
BADGER-BLUFF FANNY FAWN	USA 60996892	C		
BADGER-BLUFF FANNY FORTUNE	USA 62260569	C		
BADGER-BLUFF FLO FANNY-TW	USA 51854015	C		
BAF-ZBW SPEARMINT GANDER-ET	USA 66707536		C	
BAR-E O MAN 3276	USA 62230344			C
BDG-GENETICS COLBY PINTO-ET	USA 64793517		C	
BDG-GENETICS MINT EVETTA-ET	USA 66501515		C	
BDI ALEX BELLWOOD RACHEL	USA 62225626	C		
BDI BLITZ AARON OLIVIA	USA 62225605	C		
BDI BRET EDDIE ECHO	USA 62225619			C
BDI JORDAN LAKESIDE JIG-RED	USA 62225596	C		
BDI JUSTICE FORBIDDEN CICI	USA 62225588			C
BDI JUSTICE JASPER CURLY	USA 61247510			C
BDI MR SAM FRA LAVEDA	USA 62225635	C		
BDI MR SAM WINCHESTER HILDE	USA 63562378	C		
BDI O MAN BRET ABRIANNA	USA 63562411			C
BDI O MAN DANE TAMIQUIA	USA 63562379			C
BDI O MAN DILLION QUIP	USA 62225594			C
BDI O MAN MATHIE ALIESIA	USA 62225607			C
BDI O MAN UNK SAHKYO	USA 62225658			C
BDI SHAWNEE GRANDSLAM PIE	USA 61247498			C
BE-WARE BOGART DESMA 901	USA 69192952			C
BEAUCOISE INQUIRER CITATION-ET	CAN 7338425	C		
BEAUCOISE SHOTTLE CENTRAL-ET	CAN 103617787	C		
BEAUTY-ET	NLD 481966602		C	
BECKS-HILL-VIEW BEE PHYLLIS	USA 137146264	C		C
BER-SHER EXPLO ROBERTA RY	USA 69652716		C	
BERGICEL MR BURNS PATRIKA-RED	CAN 103879386		C	
BERGMANWIL DURHAM DOT 370	USA 134551414			C
BERRYRIDGE CLARK NEENA-ET	USA 69654829		C	
BERRYRIDGE GERARD AQUA	USA 70935645		C	

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BERRYRIDGE PALERMO IVY-ET	USA 70935646	C		
BERRYRIDGE ROSS ANNE-ET	USA 69654831			C
BERRYRIDGE ROSS AURORA-ET	USA 69654740			C
BERVALON OMAN BETTER	USA 136747378			C
BICC ROANNE 1	NLD 615500014			C
BILITIS 510	LUX 598730985			C
BLDG-BLOCK MILLION SPANGLE	USA 65901696		C	
BLESSED-ACRES IOTA SASHA-ET	USA 71025052		C	
BLESSED-ACRES SH MAKARA-ET	USA 71025043		C	
BLESSED-ACRES SH MAKAYLE-ET	USA 71025044	C		
BLESSED-ACRES SH MAKENNA-ET	USA 71025046	C		
BLESSED-ACRES SHAMRCK STACY	USA 71025031		C	
BLONDIN SHOTTLE LILAS-ETS	CAN 105900703	C		
BLONDIN SHOTTLE LILI-ETS	CAN 105900700	C		
BLUE-HORIZON DURABLE DOVE	USA 141637060		C	
BLUE-HORIZON DURABLE GENNA	USA 68999364		C	
BLUE-HORIZON SNMAN CAMMY-ET	USA 141637480		C	C
BLUE-HORIZON SNOMAN JANE-ET	USA 141637547			C
BLUE-HORIZON SNOMAN TIA-ET	USA 141637613			C
BLUE-HORIZON SNOMN CANDY-ET	USA 141637471			C
BLUE-HORIZON SUPER LOLA-ET	USA 65623481	C		
BLUE-HORIZON SUPER PEACE-ET	USA 65623539	C		
BLUMENFELD KRUSADER 3989	USA 70596031	C		
BLUMENFELD O-STYLE 3975	USA 70596017			C
BO-IRISH BEACON PBJ	USA 141195083			C
BO-IRISH-RN MILL BRAZIL-ET	USA 68711454		C	
BO-IRISH-RN MILLION LASH-ET	USA 68711443		C	
BO-IRISH-RN MILLION LUSH-ET	USA 68711444		C	
BOMAZ ACTIVE 4705-ET	USA 66798765	C		
BOMAZ ACTIVE 4712-ET	USA 66798772	C		
BOMAZ ALTAJURYMAN 4154-ET	USA 64710325	C		
BOMAZ CAVANA 4934	USA 68886700			C
BOMAZ CAVANA 4939	USA 68886705			C
BOMAZ CHAIRMAN 5192-ET	USA 68886958			C
BOMAZ CHAIRMAN 5196	USA 68886962			C
BOMAZ CHAIRMAN 5199-ET	USA 68886965			C
BOMAZ CHAIRMAN 5201-ET	USA 68886967			C
BOMAZ CHAIRMAN 5202	USA 68886968			C
BOMAZ CHAIRMAN 5204-ET	USA 68886970			C
BOMAZ CHAIRMAN 5316-ET	USA 70457458			C
BOMAZ CHAIRMAN 5325-ET	USA 70457467			C
BOMAZ CHAIRMAN 5328-ET	USA 70457470			C
BOMAZ CHAIRMAN 5331-ET	USA 70457473			C
BOMAZ CHAIRMAN 5426	USA 70457568			C
BOMAZ COLBY 4361-ET	USA 65345796		C	

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BOMAZ COLBY 5297	USA 68887063		C	
BOMAZ ELVIS 5539-TW	USA 71074569	C		
BOMAZ ELVIS 5542	USA 71074572	C		
BOMAZ FREDDIE 5432	USA 70457574			C
BOMAZ JETSTREAM 3889	USA 63262999	C		
BOMAZ JUPITER 5261-TW	USA 68887027	C		C
BOMAZ JUPITER 5263	USA 68887029			C
BOMAZ JUPITER 5269	USA 68887035			C
BOMAZ JUPITER 5295	USA 68887061			C
BOMAZ JUPITER 5407	USA 70457549			C
BOMAZ MAC 4125	USA 64710296			C
BOMAZ MAC 4648	USA 66798708	C		
BOMAZ MARION 3787-ET	USA 62749717	C		
BOMAZ MICHAEL 4914	USA 68886680	C		
BOMAZ MILLION 4813-ET	USA 68886579		C	
BOMAZ MILLION 4831-ET	USA 68886597	C		
BOMAZ MILLION 4881-ET	USA 68886647		C	
BOMAZ MILLION 4884-ET	USA 68886650		C	
BOMAZ MILLION 4899-ETS	USA 68886665		C	
BOMAZ MILLION 4900-ETS	USA 68886666		C	
BOMAZ MILLION 5038-ET	USA 68886804		C	
BOMAZ NETWORTH 5399	USA 70457541	C		
BOMAZ O-STYLE 5508	USA 71074538			C
BOMAZ PLANET 5017	USA 68886783	C		
BOMAZ PREMIUM 5422	USA 70457564	C		
BOMAZ ROSS 5303	USA 70457445			C
BOMAZ SAMOA 5535	USA 71074565	C		C
BOMAZ TYSON 5501	USA 71074531		C	
BONWOOD MARION ZETA	USA 138024972	C		
BOSSIDE COLBY EDEN-ET	USA 64288033		C	
BOSSIDE CS SCARLET-RED-ET	USA 70683968		C	
BOSSIDE LARSON LAVA-RED-ET	USA 70683971		C	
BOSSIDE MASTER DIVA-ET	USA 70683981			C
BOSSIDE OSTYLE DARIA-ET	USA 69093222			C
BOSSIDE OSTYLE DHARMA-ET	USA 69093221			C
BOSSIDE ROSS YAKIRA-ET	USA 69093280			C
BOSSIR AL ALICE	USA 70724902	C		
BOSSIR ALAN TRICIA	USA 70724884			C
BOSSIR BAXTER ELITE	USA 62892132	C		
BOSSIR LARSON ETHEL	USA 70724888		C	
BOSSIR MILLION LILLY-ET	USA 66184708		C	
BOSSIR ROBUST EMMA	USA 70724882	C		
BOSSIR ROBUST LUCKY-ETS	USA 69929317		C	
BOSSIR ROBUST LUCY-ETS	USA 69929318		C	
BOSSIR SECURE RANA-ET	USA 69929344		C	

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BOSSIR SECURE ROSETTE-ET	USA 69929348		C	
BOSSIR SECURE ROSINA-ET	USA 69929347		C	
BOSSIR TALENT BRANDY-ET	USA 62892147	C		
BOSSIR TALENT BREEANN-ET	USA 62892151	C		
BOSSIR WISCONSIN EDITH-ET	USA 66973908	C		
BOULET BUCKEYE CARRY-ET	CAN 104105149	C	C	
BOULET LHEROS CHAMBORD-ET	CAN 101344861	C	C	
BOUW ELEGANT MONICA	NLD 447464124		C	
BOUW GOLDWYN MICHELE	NLD 499565138		C	
BRADNER JASPER SANDRA	CAN 7954275	C		
BRANDT-VIEW BRONCO BETSY	USA 140820173			C
BRANDT-VIEW BUCKEYE BEA-ET	USA 138034456	C		
BRANDT-VIEW GOLDWYN ALOE-ET	USA 62934994	C		
BRANDT-VIEW MAC MERCEDES	USA 139480139	C		
BRANDT-VIEW MANFRED MISS-ET	USA 125322098	C		
BRANDT-VIEW MARSH MARY	USA 137709414	C		
BRANDT-VIEW O-STYLE OLIVIA	USA 70197938			C
BRANDT-VIEW O-STYLE SMILES	USA 70197951			C
BRANDT-VIEW ROSS RAINE-ET	USA 70197891			C
BRANDT-VIEW TRIGR TENNIS-TW	USA 70197887	C		
BRANDVALE O-STYLE ODILIA-ET	USA 69288496			C
BRANDVALE SEBASTN SIERRA-ET	USA 66922170			C
BREMER ACTIVE CHARITY-ET	USA 66088956		C	
BREMER BRASS ROSE-ET	USA 60929130			C
BREMER GABOR CHERRY	USA 69881876		C	
BREMER GOLDWYN ROSE 292-ET	USA 63198029			C
BRICHRIS RAMOS ANGELA-ET	USA 66977230			C
BRICHRIS SHAMROCK GIZZMO-ET	USA 70134969			C
BRIGEEEN GOLDWYN GIGI-ET	USA 137305713		C	
BRIGEEEN OUTSIDE GIGI	USA 131353482		C	
BRIGEEEN Z GILDA-ETS	USA 65301673		C	
BRIGEEEN Z RORI-ET	USA 63955303	C		
BRITE-SIDE MILL PLEASANT-ET	USA 66681643		C	
BRITE-SIDE MILL PLEASE-ET	USA 66681635		C	
BRITE-SIDE MILLION PEPSI-ET	USA 66681633		C	
BRITE-SIDE MILLION PIXIE-ET	USA 66681632		C	
BRITE-SIDE PK MILL 4970-ET	USA 66260909		C	
BROEKS AZALEA-ET	USA 70599329			C
BROEKS BETTY-ET	NLD 359507463			C
BROEKS BOLTON ELVERA-ET	USA 66050409	C		
BROEKS DANA-ET	USA 70135993			C
BROEKS ELMARA-ET	USA 139313826	C		
BROEKS ERAS-ET	USA 71030991	C		
BROEKS MBM ELSA-ET	NLD 381135900	C		
BROEKS ROSS 5351-ET	USA 70457493			C

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
BROEKS ROUMARE ELSA-ET	USA 139274754	C		
BROEKS SHOTL EUGENIE-ET	USA 66050416	C		
BROOK-CORNER ZENITH TASHIA	USA 136950170		C	
BROOKVIEW BUSTAMOOVE-ET	USA 141596790			C
BROOKVIEW DESTRY MINX-ET	USA 140722206			C
BROOKVIEW DOMAIN MASSAGE-ET	USA 140883084			C
BROOKVIEW MANIC MONDAY-ET	USA 141662730			C
BROOKVIEW MARRY ME-ET	USA 60535528			C
BROOKVIEW MISS MANNERS-ET	USA 141666202			C
BROOKVIEW MOOD SWING-ET	USA 60535527			C
BROOKVIEW MUNCHIES-ET	USA 141097666			C
BROOKVIEW MYSTERIOUS-ET	USA 141173779			C
BROOKVIEW TD MEMORIES-ET	USA 140914870			C
BROOKVIEW-E AT MALIBU-ET	USA 140394591			C
BROOKVIEW-E ATL MADONNA-ET	USA 140394621			C
BROOKVIEW-E ATL MYSTICAL-ET	USA 140394603			C
BROOKVIEW-E BOL MASQUERADE	USA 139553886			C
BROOKVIEW-E MARSHMALLOW-ET	USA 140520260			C
BROOKVIEW-E MOVIESTAR-ET	USA 140301401			C
BROWN-STAR JUST CATHERINE	USA 70642075			C
BROWN-STAR JUST SEA	USA 70642080			C
BRU-DALE BOLTON JOYFUL-ET	USA 138963532		C	
BRU-DALE JINX JENNY-ET	USA 138967956		C	
BRU-DALE JINX JODY-ET	USA 138967965		C	
BRU-DALE JINX JUDY-ET	USA 138967938		C	
BRU-DALE PARKER JENNY	USA 141350042		C	
BRU-DALE PLANET JNET	USA 140382501		C	
BRU-DALE TOYSTORY JULIA-ET	USA 139291081		C	
BRU-DALE TOYSTORY JULISA-ET	USA 139676547		C	
BRYANT-FARM COLBY TAMPA-ET	USA 139318483		C	
BRYANT-FARM COLBY TORY-ET	USA 139318474		C	
BRYERSQUART MILLION ARIEL	USA 68995595	C		
BRYERSQUART MY BIRTHDAY-ET	USA 69820055	C		
BRYERSQUART OMAN JUDY	USA 66435802			C
BRYERSQUART RUBE JORDON-RED	USA 60574451	C		
BUCK-H-CREEK PENELOPE-ET	USA 141517254	C		
BUCK-H-CREEK POCAHONTAS-ET	USA 141517263	C		
BUCKHORN-ACRES POPPY CRI-ET	USA 61376411			C
BUCKNELL COLBY COLLEEN	USA 139351158		C	
BUCKNELL DESTRY DANACA-ET	USA 140756313		C	
BUCKNELL DESTRY DENISE-ET	USA 140756304		C	
BUCKNELL DESTRY DENZAL-ET	USA 140756256		C	
BUCKNELL DESTRY DESTINY-ET	USA 140756283		C	
BULLCREST LEWIS 7054-ET	USA 70419480		C	
BURKS-BRANCH SHOTL DIANA	USA 62657578	C		

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
BURLEDGE SHITTLE GRAFFITI-ET	USA 68660373	C		
BUSH-BROS BINAS ISY 4001	USA 70396516		C	
BUSH-BROS BOWSER 3985	USA 68666344			C
BUSH-BROS BURT 4000	USA 68666359			C
BUSH-BROS CHASE 3816	USA 68666175			C
BUSH-BROS DIE-CAST 3990	USA 68666349		C	
BUSH-BROS DIE-CAST 4040	USA 70396555		C	C
BUSH-BROS GR8M8 3981	USA 68666340			C
BUSH-BROS LANCELOT 3161	840003001507717			C
BUSH-BROS LOGAN 4073-TW	USA 70396588			C
BUSH-BROS LYNCH 3429	840003001507985			C
BUSH-BROS OBRIAN 3738	USA 68666097			C
BUSH-BROS PAINTER 3772	USA 68666131			C
BUSH-BROS RAMOS 3369	840003001507925			C
BUSH-BROS ROLLIN 4005	USA 70396520			C
BUSH-BROS TEMPO 4102	USA 70396617			C
BUSH-BROS TWIST 3810	USA 68666169			C
BUTZ-BUTLER MILLION BREE-ET	USA 66625000		C	
BUTZ-BUTLER MILLION BRIA-ET	USA 66624996		C	
BUTZ-BUTLER MILLION BRIN-ET	USA 66625003		C	
C&D-ACRES O-MAN NEPTUNE	USA 62162902			C
C&M-R-RUN COLBY NIVEA	USA 65951779		C	
C-HAVEN BOGART SMILE-ET	USA 70479451			C
C-HAVEN DESTRY SHESTRY	USA 69554106		C	
C-HAVEN LARSON MILLY-RED-ET	USA 71242625		C	
C-HAVEN MALITA-RED-ET	USA 69554114		C	
C-HAVEN MB SHEENA-RED-ET	USA 66499583		C	
C-HAVEN MILLION LORNA-ET	USA 69056720		C	
C-HAVEN MILLION LYRIC-ET	USA 69056758		C	
C-HAVEN SNOWMAN LIMA-ET	USA 70479494			C
C-OF-O FREDDIE ANN 1336	USA 66841597		C	
CABHI BONNIE BOLTON 966	USA 64989297			C
CALORI-D BOLIVER MAMIE	USA 64638697		C	
CANYON-BREEZE BRON ALLOY-ET	USA 71065553			C
CANYON-BREEZE FIN AISHA-ET	USA 61763547			C
CANYON-BREEZE G ALBANY-ET	USA 66195366	C		
CANYON-BREEZE G AMERRA-ET	USA 63175391			C
CANYON-BREEZE J AVIANCE-ET	USA 71065663			C
CANYON-BREEZE L ALAISHA	USA 68973666	C		
CANYON-BREEZE MRN ELVIRA-ET	USA 63175331	C		
CAPS LIZZIE 1-ET	NLD 430269978	C		
CAR-BON OMAN RUBY	USA 136616751			C
CAR-J ROSS SUCKER	USA 70259391			C
CARL-A OMAN AIRBEL	USA 62509265			C
CARPSDALE-J SHOTL MOONLIGHT	USA 70668259		C	

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Name	Registration	HH1	HH2	HH3
CARPSDALE-J SUPER MANGO	USA 69955186		C	
CARTERS-CORNER SHOT MELODY	USA 63033664			C
CASTLEHOLM MANAGER TONIA-ET	USA 64331380			C
CATALPA REBECCA GRAYBIL	USA 69093597			C
CAVA-LANES TRUMP DIAMOND-ET	USA 69549723		C	
CEDAR-CREST GLDWYN PEARL-ET	USA 139732610	C		
CEDAR-HAVEN GOLD LORAIN-ET	USA 62968921	C		
CEDAR-HAVEN MI POLLYJANE-ET	USA 68871563		C	
CEDAR-HAVEN MILLN POLINA-ET	USA 68871562		C	
CEDAR-HAVEN ROSS LEMON-ET	USA 70479483	C		C
CEDAR-SPRUCE GOLD GAY	USA 138992318		C	
CEDAR-VU DORCY 1645-ET	USA 69837371			C
CHA-LIZ MILLION 6834	USA 70419260		C	C
CHA-LIZ SUPER 6945	USA 70419371			C
CHAN-LEE EMORY GLADDEN-ET	USA 15973220			C
CHAN-LEE ORION GLADISHA-ET	USA 207542550			C
CHANTRE-ET	LUX 298729961	C		
CHARCOL AUDEN LIMA-ET	USA 65229285	C		
CHARCOL GOLDWYN G-2-ET	USA 140133107	C		
CHARCOL LOTTIE CRI-ET	USA 66321061	C		
CHARPENTIER MR BURNS SISI-RED	CAN 105180030		C	
CHARPENTIER O MAN MADAM	CAN 102915762			C
CHARTROISE MR B SANNE-ET	USA 66050442		C	
CHARTROISE SNOW DAFFODIL-ET	USA 70682450			C
CHARTROISE SUPER ELSHA	USA 70052005	C		
CERRIE-KREEK BUTTONS-ET	USA 139874057	C		
CHERRY CREST MANOMAN ROZ-ET	CAN 9727422		C	
CHESTER-PLANE PLANET DIVINE	USA 139578380		C	
CHURCH-SITE BOLTON MUM	USA 139413722		C	
CHURCH-SITE L RAISIN-ET	USA 141578266		C	
CHURCH-SITE L RELISH-ET	USA 141578275		C	
CHURCH-SITE L ROMAINE-ET	USA 141578248		C	
CLAQUATO-RH DS ECSTASY-ET	USA 66369939	C		
CLARE-DOR OUTSIDE OLGA	USA 60838833		C	
CLAYTONCREST SNOWFLAKE-ET	USA 68983508			C
CLAYTOP ROSS PANTOMINE	840003006974496			C
CLEAR-ECHO ATWOOD 2313-ET	USA 68669913		C	
CLEAR-ECHO AVERY 2550-ET	USA 70736920			C
CLEAR-ECHO BEACON 2423-ET	USA 68670023		C	
CLEAR-ECHO BEACON 2426-ET	USA 68670026		C	
CLEAR-ECHO BEACON 2427-ET	USA 68670027		C	
CLEAR-ECHO CASSINO 2155	USA 68669755			C
CLEAR-ECHO CHAIRMAN 2323-ET	USA 68669923			C
CLEAR-ECHO CHAIRMAN 2343-ET	USA 68669943			C
CLEAR-ECHO CHAIRMAN 2346-ET	USA 68669946			C

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Name	Registration	HH1	HH2	HH3
CLEAR-ECHO CHAIRMAN 2356	USA 68669956			C
CLEAR-ECHO CHAIRMAN 2386-ET	USA 68669986			C
CLEAR-ECHO GERARD 2353-ET	USA 68669953		C	
CLEAR-ECHO GERARD 2354-ET	USA 68669954		C	
CLEAR-ECHO GERARD 2360-ET	USA 68669960		C	
CLEAR-ECHO IOTA 2363	USA 68669963	C		
CLEAR-ECHO IOTA 2557-ET	USA 70736927		C	
CLEAR-ECHO IOTA 2558-ET	USA 70736928		C	
CLEAR-ECHO JAMAR 2384-ET	USA 68669984			C
CLEAR-ECHO JAMAR 2594	USA 70736964			C
CLEAR-ECHO JETTIE 2528-TW	USA 70736898		C	
CLEAR-ECHO KRAMER 2580-ET	USA 70736950			C
CLEAR-ECHO KRAMER 2581-ET	USA 70736951		C	C
CLEAR-ECHO MARION 1446-ET	USA 62385335	C		
CLEAR-ECHO MILLION 1984-ET	USA 65418175		C	
CLEAR-ECHO MILLION 1985-ET	USA 65418176		C	
CLEAR-ECHO NORSKI 1720-ET	USA 65417911	C		
CLEAR-ECHO NORSKI 1725-ET	USA 65417916	C		
CLEAR-ECHO O-STYLE 2516-ET	USA 70736886			C
CLEAR-ECHO O-STYLE 2522-ET	USA 70736892			C
CLEAR-ECHO O-STYLE 2582-ET	USA 70736952			C
CLEAR-ECHO O-STYLE 2592-ET	USA 70736962			C
CLEAR-ECHO OBSERVER 2267-ET	USA 68669867		C	
CLEAR-ECHO OBSERVER 2270-ET	USA 68669870		C	
CLEAR-ECHO OFFROAD 1521-ET	USA 63474097		C	
CLEAR-ECHO OFFROAD 1528-ET	USA 63474104		C	
CLEAR-ECHO OFFROAD 1607-ET	USA 63474183		C	
CLEAR-ECHO OFFROAD 1612-ET	USA 63474188		C	
CLEAR-ECHO OTTO 2113	USA 68669713		C	
CLEAR-ECHO ROSS 2340-ET	USA 68669940		C	
CLEAR-ECHO ROSS 2474-ET	USA 68670074		C	
CLEAR-ECHO SANCHEZ 2108-ET	USA 68669708			C
CLEAR-ECHO SNOWMAN 2469-ET	USA 68670069			C
CLEAR-ECHO SNOWMAN 2470-ET	USA 68670070			C
CLEAR-ECHO SNOWMAN 2506-ET	USA 70736876			C
CLEAR-ECHO SOCRATES 1891	USA 65418082		C	
CLEAR-ECHO SOTO 2448-ET	USA 68670048			C
CLEAR-ECHO WATSON 2570-ET	USA 70736940			C
CLEAR-ECHO WATSON 2573-ET	USA 70736943			C
CLEAR-ECHO WATSON 2591-ET	USA 70736961			C
CLIFFS SIGNIF TRICA	USA 141548005		C	
CLOVEREDGE FOSTER 2907	USA 200659075	C		
CLOVEREDGE LYNCH 2257	USA 200242570	C		
CLOVEREDGE MAN-OMAN 4540	USA 55181540	C		
CLOVEREDGE MARION 3302-ET	USA 200653024	C		

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Name	Registration	HH1	HH2	HH3
CLOVEREDGE TOYSTORY 3438-ET	USA 200654388	C		
CLOVEREDGE WIZARD 2970	USA 200659703		C	
CO-OP AUDEN ANN-ET	USA 65632515	C		
CO-OP AUDEN BARI-ET	USA 66321060	C		
CO-OP AUDEN BATISTA-ET	USA 66321062	C		
CO-OP AUDEN BELICIA-ET	USA 66321059	C		
CO-OP AUDEN LAUREN-ET	USA 65632516	C		
CO-OP AUDEN LOLLY-ET	USA 65589638	C		
CO-OP BOLIVER JAYLENE	USA 62030880	C		
CO-OP CASSINO 3978-ET	USA 69108522			C
CO-OP CASSINO JENILEE-ET	USA 68767136	C		
CO-OP CLARK DEVA 6550-ET	USA 70273012		C	
CO-OP COLBY DASH-TW	USA 64541790		C	
CO-OP DARREN PRIDE	USA 64541791			C
CO-OP DEANN PIXIE	USA 64541786	C		
CO-OP ELEGANT 3088-ET	USA 64509449	C		
CO-OP ELEGANT 3091-ET	USA 64509452	C		
CO-OP FRANZ 1942 6545-ET	USA 70273007	C		
CO-OP FRANZ ELITA 6532	USA 70272994	C		
CO-OP FRANZ GALINA 6454-ET	USA 70272916	C		
CO-OP GABRIELLE-ET	USA 66321118		C	
CO-OP GARNETT 2186	USA 68966461			C
CO-OP GRACEY-ET	USA 66321119		C	
CO-OP HILL CHERISH 6549	USA 70273011		C	
CO-OP JUDD CALLA	USA 62398748			C
CO-OP LUCENTE CONDALISA-ET	USA 61376329			C
CO-OP LYNCH KAYLEE	USA 63285379			C
CO-OP LYNCH LACKLUSTER	USA 62440933			C
CO-OP M-P COLBY KURA-ET	USA 65873768		C	
CO-OP M-P COLBY KYRIE-ET	USA 65873763		C	
CO-OP M-P COLBY THELMA-ET	USA 65438812		C	
CO-OP M-P DIE-CAST ALISON	USA 69816618		C	
CO-OP O MAN 2580	USA 62552796			C
CO-OP OMAN PANDORA-ET	USA 62030834			C
CO-OP OMAN PETUNIA-ET	USA 62030948			C
CO-OP RJR AUDEN 1730-TW	USA 65671882	C		
CO-OP SATIRE RENEE	USA 63285406	C		
CO-OP SHOTTLE 2466-ET	USA 63281570			C
CO-OP TSTRY JAYCEE	USA 63285359	C		
CO-OP UPD 3641-ET	USA 66882068			C
CO-OP UPD 3648-ET	USA 66882075			C
CO-OP UPD AUDEN 3424-ET	USA 66244709	C		
CO-OP UPD AUDEN MISTY-ET	USA 65589636	C		
CO-OP UPD BOOKEM 5098-ET	USA 70936436			C
CO-OP UPD BOOKEM 5118-ET	USA 70936456			C

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Name	Registration	HH1	HH2	HH3
CO-OP UPD CLARK 4763-ET	USA 70353353		C	
CO-OP UPD CLARK 4805-ET	USA 70353395		C	C
CO-OP UPD CLARK 5125-ET	USA 70936463		C	C
CO-OP UPD CLARK 5143-ET	USA 70936481		C	
CO-OP UPD CLARK 5169-ET	USA 70936507			C
CO-OP UPD DIGGER 5284-ET	USA 70936622			C
CO-OP UPD DIGGER 5287-ET	USA 70936625			C
CO-OP UPD DIGGER 5295-ET	USA 70936633			C
CO-OP UPD FRANZ 5241	USA 70936579	C		
CO-OP UPD LEADWIN 5311-ET	USA 70936649		C	
CO-OP UPD O MAN 3078	USA 64655219			C
CO-OP UPD O-STYLE 3841	USA 66882268			C
CO-OP UPD O-STYLE 3929	USA 69108473			C
CO-OP UPD PAUL 5285-ET	USA 70936623			C
CO-OP UPD SATIRE 3463	USA 66244748	C		
CO-OP UPD SHOTTLE 3578-ET	USA 66244863			C
CO-VISTA PALMER ALICE-ET	USA 70595780	C		
COASTAL-VIEW COLBY 1499	USA 64969467		C	
COASTAL-VIEW JUSTICE 939	USA 61727565			C
COLDSPRINGS FBI 2565	USA 64252789			C
COLDSPRINGS MORTY 985KI-ET	USA 60589823	C		
COLDSPRINGS O MAN 1460KI-ET	USA 61212116			C
COLDSPRINGS O MAN 1810K	USA 62246449			C
COLDSPRINGS ROSS 4308	USA 69693312			C
COMESTAR FORMATION LARANA-ET	CAN 6967270	C		
COMESTAR LILLY GALAXY MILLI-ET	CAN 106303132		C	
COMESTAR MODEL FANIA OFFROAD	CAN 103974960		C	
COMESTAR MODEL FANNY FREELANCE	CAN 101760624		C	
COMESTAR MODEL FIA FREELANCE	CAN 101760605		C	
COMESTAR MODEL LIZ BOLIVER-ET	CAN 102482685		C	
COMESTAR MODEL LIZA OUTSIDE-ET	CAN 7260648		C	
COMESTAR MODEL LIZTESS TALENT	CAN 102482555		C	
COMESTAR SHADY MR BURNS-RED-ET	CAN 105331928		C	
COMETR MODEL LIZALI GOLDWIN-ET	CAN 103975075		C	
COMYN-PBCD 3275 ROSARIO-ET	USA 69932058			C
COMYN-PBCD BRNC 3199 45F-ET	USA 69625452			C
COMYN-PBCD BRONCO CHAR-ET	USA 69463788			C
CON-RIVER 1049 SHOTTLE-ET	USA 64163664	C		
CON-RIVER 1051 SHOTTLE-ET	USA 64163666	C		
CON-RIVER 855 DUNDEE CINDY	USA 62279574	C		
CONANT-ACRES MILL SABA-ET	USA 66153291		C	
CONANT-ACRES WILD ANA-TW	USA 64332861	C		
COOK-FARM ADV FAYANNE-ET	USA 66893918	C		
COOK-FARM ALEX BLOOM	USA 68775942		C	
COOK-FARM ALEXANDER BRADI	USA 70479153		C	

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Name	Registration	HH1	HH2	HH3
COOK-FARM BAXTER SILLY-ET	USA 64775383			C
COOK-FARM BRONCO DARLA	USA 70479154			C
COOK-FARM BT BRENDA-ET	USA 140981803		C	
COOK-FARM DOMA-SILE	USA 69775167			C
COOK-FARM FLICK SILVERADO	USA 69775169			C
COOK-FARM GOLD BROOKIE-ET	USA 66893935		C	
COOK-FARM O-MAN FRIGID-ET	USA 136114437			C
COOK-FARM PALERMO SALLY-TW	USA 70479155	C		C
COOK-FARM PALERMO SUZZY-TW	USA 70479156	C		
COOK-FARM PLRMO STANDOUT-ET	USA 70479158	C		
COOK-FARM PM STELLA-ET	USA 62751634	C		
COOK-FARM STYLE-O-ET	USA 136114400			C
COOK-FARM TABOO BRANDY-ET	USA 66111023		C	
COOK-FARM ZENITH BABY-ET	USA 63590988		C	
COOK-FARM ZENITH BAILEY-ET	USA 64749351		C	
COOKIECUTTER HARKEN-ET	840003006977469			C
COOKIECUTTER HARLEQUIN-ET	840003006977464			C
COOKIECUTTER HELLO-ET	840003006072710		C	
COOKIECUTTER HOLIDAY-ET	840003006977468			C
COOKIECUTTER HUMORIST-ET	840003009165125			C
COOKIECUTTER MIL HAVEN-ET	840003006275497		C	
COOKIECUTTER MILLN HILDE-ET	840003006275505		C	
COOKLEE GARTER 2430	USA 133005497	C		
COOKLEE GARTER 2616	USA 134684097	C		
COOL-LAWN 772 IRONIC A-ET	USA 69458746			C
COOL-LAWN BOLTON 1915-ET	USA 64800262	C		
COOL-LAWN BOLTON B 2660-ET	USA 68639928			C
COOL-LAWN BOOKEM 2767-ET	USA 70505237			C
COOL-LAWN IOTA TAILOR-ET	USA 70505163	C		
COOL-LAWN IRONIC 772B-ET	USA 69458747			C
COOL-LAWN JEEVES 2664	USA 68639939			C
COOL-LAWN LOMAX MS 1915-ET	USA 63334997	C		
COOL-LAWN MAC JULIA CRI-ET	USA 66321069			C
COOL-LAWN OBSERVER 3612	USA 70505116			C
COOL-LAWN PAGEWIRE 772	USA 66111464			C
COOL-LAWN TOYSTORY 1915D-ET	USA 63334891	C		
COOPON BUCKEYE TIDAL WAVE-ET	CAN 7890064	C		
COOPON FINLEY CHERISH ME-ET	CAN 7431039	C		
COOPON JURMEL COMPAS	CAN 7431243	C		
COOPON MARION NORA	CAN 7431245	C		
COOPON MARION TOPPER	CAN 7890115	C		
COOPON MARION TOTILLA-ET	CAN 7890053	C		
COOPON MODEST DEBBIE-ET	CAN 7431197	C		
COOPON OMAN AMY	CAN 7431240			C
COOPON S STORM ALINA-ET	CAN 7431171	C		

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Name	Registration	HH1	HH2	HH3
COOPON S STORM ALIX	CAN 7431114	C		
COOPON SHOTTLE CHEESECAKE	CAN 7431252	C		
COOPON SS ALLY-ET	CAN 7431157	C		
COOPON THRONE ALLECE	CAN 7431188	C		
COOPON THRONE TWIRL	CAN 7431028	C		
COOPON WIZARD ACTING-ET	CAN 7431184	C		
COOPON WIZARD ACTRESS-ET	CAN 7431183	C		
COOPON WIZARD MARI	CAN 7431087			C
COOPON ZENITH OH MY	CAN 7890111			C
CORNER-OAK JELLIN	840003005336787			C
COSTA-VIEW BOXER 41967-TW	840003007823412		C	
COTOPIERRE BOLTON ELLA	CAN 104883317	C		
COTTONCREST LANA RAE-RED-ET	USA 141409634		C	
COTTONCREST SEC RAE-RED-ET	USA 141197508		C	
COV-ARY BRO BEAUTY	USA 69960748			C
COYNE-FARMS BOOKEM DEB	USA 69464065		C	
COYNE-FARMS BRONCO DI-ET	USA 69463885			C
COYNE-FARMS BRONCO DOLLY-ET	USA 69463886			C
COYNE-FARMS COLBY DAHLIA-ET	USA 63855484		C	
COYNE-FARMS EASTER CRI-ET	USA 70273059			C
COYNE-FARMS ELIANA CRI-ET	USA 70273060		C	
COYNE-FARMS J STREAM BOBBI	USA 63855308			C
COYNE-FARMS JENNIFER CRI-ET	USA 66321122	C		
COYNE-FARMS MILION YARAH-ET	USA 63855785		C	
COYNE-FARMS MILL ELAINE-ET	USA 68677685		C	C
COYNE-FARMS MILL ELLEN-ET	USA 68677670			C
COYNE-FARMS MILL ELSIE-ET	USA 68677679		C	
COYNE-FARMS MILL YAELLA-ET	USA 63855774		C	
COYNE-FARMS MILLION EDIE-ET	USA 68677686			C
COYNE-FARMS MILLION EDNA-ET	USA 68677687			C
COYNE-FARMS MILLION ELLA-ET	USA 68677662		C	C
COYNE-FARMS MILLION YAEL-ET	USA 63855778		C	
COYNE-FARMS MILLION YELL-ET	USA 68677612		C	
COYNE-FARMS MILLON EDITH-ET	USA 68677677		C	
COYNE-FARMS MOCOW OLIVIA-ET	USA 66893876	C		
COYNE-FARMS O-STYLE YARN-ET	USA 69464080			C
COYNE-FARMS YEEMA CRI-ET	USA 68767184		C	
CRANBERRY-MDWS ANAQUETED-ET	USA 138629784		C	
CRANBERRY-MDWS MAC AVRIL-ET	USA 138805140	C		
CRANDALE MILLION HOLDA	USA 68831583	C		
CRANEHILL FAST MILLION-ET	USA 140609442		C	
CREST-VIEW-ACRES SIMMER-ET	USA 69967039			C
CREST-VIEW-ACRES SPLENDIA-ET	USA 63260818			C
CROCKETT-ACRES EMERALD-ET	USA 135161221	C		
CROCKETT-ACRES TEEMAR EL-ET	USA 138876869			C

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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(Blank=Tested-Free, C=Carrier)**

Name	Registration	HH1	HH2	HH3
CROIX-LINE MAC 1316	USA 66472553	C		
CROIX-LINE O-STYLE 1436	USA 70358543			C
CS-REDVUE MILLION ALKI-ET	USA 68991116		C	
CS-REDVUE MRBURN CARLA-ET	USA 139307775		C	
CURJON SHOTTLE BACK-ET	USA 64742997	C		
CURR-VALE BEACON DESI-ET	USA 70356366		C	
CURR-VALE BEACON DESTINY-ET	USA 70356367		C	
CURR-VALE GOLDWYN DELICIOUS	USA 62717592		C	
CURR-VALE SHTL APPLLETINI-ET	USA 66401046		C	
DA-LYNN-JEMA MAILNG ZANZBAR	USA 53544722	C		
DA-SO-BURN ALEX BEYONCE-ET	USA 66173458			C
DA-SO-BURN BEYONCE CRI-ET	USA 62769125	C		
DA-SO-BURN COLBY 850-ET	USA 64795882		C	
DA-SO-BURN EXPLODE BOLLY-ET	USA 70432631			C
DA-SO-BURN MAC BRINA-ET	USA 62739542			C
DABBY 3960-ET	DEU 1403343960		C	
DAGGETT-BROOK CLRK DEPOT-ET	USA 69186020		C	
DAGGETT-BROOK DALT MASSEY	USA 69186024	C		
DALLERA GOLD TINKLE 858-ET	USA 65558211		C	
DANDALI MILLION BRIELLE	USA 66558050		C	
DANDALI PLANET EVIE	USA 66558028	C		
DANGIE PEMBROKE JUNE	USA 70234854	C		
DANITA 494-ET	DEU 115897494	C		
DARITA CLARK SPIFFY	USA 69156116		C	
DARITA MAC AZALEA-ET	USA 66320274			C
DARITA MANOMAN SHIRLEY	USA 66320291	C		
DARITA MR BURNS MARVEL-ET	USA 64178279		C	
DARITA RAMOS PAULA	USA 64178246	C		
DAYTON-VIEW OSTYL MARLEY-ET	USA 70683426			C
DDZ OMAN BRENDA	USA 139987300			C
DE-SU 1002	USA 69491156			C
DE-SU 1011-ET	USA 69491165			C
DE-SU 1012-ET	USA 69491166			C
DE-SU 1013-ET	USA 69491167			C
DE-SU 1030-ET	USA 69491184			C
DE-SU 1042-ET	USA 69491196			C
DE-SU 1045-ET	USA 69491199			C
DE-SU 1068-ET	USA 69491222			C
DE-SU 1070-ET	USA 69491224			C
DE-SU 1075	USA 69491229			C
DE-SU 1082-ET	USA 69491236			C
DE-SU 11-ET	USA 68977131			C
DE-SU 1104-ET	USA 70626255			C
DE-SU 1112-ET	USA 70626263			C
DE-SU 1114-ET	USA 70626265			C

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
DE-SU 1117-ET	USA 70626268			C
DE-SU 1125-ET	USA 70626276			C
DE-SU 1147-ET	USA 70626298			C
DE-SU 1149-ET	USA 70626300			C
DE-SU 1158-ET	USA 70626309			C
DE-SU 1167-ET	USA 70626318			C
DE-SU 1182-ET	USA 70626333			C
DE-SU 1185-ET	USA 70626336			C
DE-SU 1191-ET	USA 70626342			C
DE-SU 1210-ET	USA 70626361			C
DE-SU 1218-ET	USA 70626369			C
DE-SU 1226-ET	USA 70626377			C
DE-SU 1233-ET	USA 70626384			C
DE-SU 1235-ET	USA 70626386			C
DE-SU 1261-ET	USA 70626412			C
DE-SU 1269-ET	USA 70626420			C
DE-SU 127-ET	USA 69490281		C	
DE-SU 1270-ET	USA 70626421			C
DE-SU 1272-ET	USA 70626423			C
DE-SU 1274-ET	USA 70626425			C
DE-SU 1280-ET	USA 70626431			C
DE-SU 1289-ET	USA 70626440			C
DE-SU 1291-ET	USA 70626442			C
DE-SU 1297-ET	USA 70626448			C
DE-SU 1298-ET	USA 70626449			C
DE-SU 1299-ET	USA 70626450			C
DE-SU 1300-ET	USA 70626451			C
DE-SU 1309-ET	USA 70626460			C
DE-SU 1316-ET	USA 70626467			C
DE-SU 1319-ET	USA 70626470	C		
DE-SU 1334	USA 70626485			C
DE-SU 1341	USA 70626492			C
DE-SU 1360-ET	USA 70626511			C
DE-SU 1362-ET	USA 70626513			C
DE-SU 1371-ET	USA 70626522			C
DE-SU 1375-ET	USA 70626526			C
DE-SU 1382	USA 70626533			C
DE-SU 1393-ET	USA 70626544			C
DE-SU 1394	USA 70626545			C
DE-SU 1395-ET	USA 70626546			C
DE-SU 1399-ET	USA 70626550			C
DE-SU 1400-ET	USA 70626551			C
DE-SU 1421	USA 70626572			C
DE-SU 1427-ET	USA 70626578			C
DE-SU 1433	USA 70626584			C

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Name	Registration	HH1	HH2	HH3
DE-SU 1440-ET	USA 70626591			C
DE-SU 1444	USA 70626595			C
DE-SU 1449	USA 70626600			C
DE-SU 1478-ET	USA 70626629			C
DE-SU 1480-ET	USA 70626631			C
DE-SU 1492-ET	USA 70626643			C
DE-SU 1493-ET	USA 70626644			C
DE-SU 1507-ET	USA 70626658			C
DE-SU 179-ET	USA 69490333			C
DE-SU 211-ET	USA 69490365	C		
DE-SU 215-ET	USA 69490369			C
DE-SU 218-ET	USA 69490372			C
DE-SU 266-ET	USA 69490420			C
DE-SU 267-ET	USA 69490421			C
DE-SU 271-ET	USA 69490425			C
DE-SU 275-ET	USA 69490429			C
DE-SU 276-ET	USA 69490430			C
DE-SU 290-ET	USA 69490444	C		
DE-SU 292-ET	USA 69490446	C		
DE-SU 322-ET	USA 69490476	C		
DE-SU 328-ET	USA 69490482	C		
DE-SU 363-ET	USA 69490517			C
DE-SU 365-ET	USA 69490519			C
DE-SU 376-ET	USA 69490530			C
DE-SU 379-ET	USA 69490533			C
DE-SU 387-ET	USA 69490541			C
DE-SU 388-ET	USA 69490542			C
DE-SU 396-ET	USA 69490550			C
DE-SU 397-ET	USA 69490551			C
DE-SU 400-ET	USA 69490554			C
DE-SU 401-ET	USA 69490555			C
DE-SU 404-ET	USA 69490558			C
DE-SU 407	USA 69490561			C
DE-SU 409	USA 69490563			C
DE-SU 410-ET	USA 69490564			C
DE-SU 413-ET	USA 69490567			C
DE-SU 416-ET	USA 69490570			C
DE-SU 427-ET	USA 69490581			C
DE-SU 428-ET	USA 69490582	C		
DE-SU 429	USA 69490583			C
DE-SU 437-ET	USA 69490591			C
DE-SU 439-ET	USA 69490593	C		
DE-SU 442-ET	USA 69490596			C
DE-SU 443-ET	USA 69490597	C		
DE-SU 483-ET	USA 69490637			C

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Name	Registration	HH1	HH2	HH3
DE-SU 495-ET	USA 69490649			C
DE-SU 511-ET	USA 69490665	C		
DE-SU 513-ET	USA 69490667			C
DE-SU 516-ET	USA 69490670			C
DE-SU 519-ET	USA 69490673			C
DE-SU 523-ET	USA 69490677			C
DE-SU 551-ET	USA 69490705			C
DE-SU 589-ET	USA 69490743			C
DE-SU 594-ET	USA 69490748			C
DE-SU 600-ET	USA 69490754			C
DE-SU 608-ET	USA 69490762		C	
DE-SU 609-ET	USA 69490763		C	C
DE-SU 615-ET	USA 69490769			C
DE-SU 618-ET	USA 69490772		C	
DE-SU 624-ET	USA 69490778			C
DE-SU 625-ET	USA 69490779			C
DE-SU 634-ET	USA 69490788			C
DE-SU 638-ET	USA 69490792			C
DE-SU 653-ET	USA 69490807			C
DE-SU 661-ET	USA 69490815			C
DE-SU 662-ET	USA 69490816			C
DE-SU 667-ET	USA 69490821			C
DE-SU 684-ET	USA 69490838	C		
DE-SU 690-ET	USA 69490844			C
DE-SU 696-ET	USA 69490850			C
DE-SU 7048-ET	USA 62720606			C
DE-SU 706-ET	USA 69490860		C	
DE-SU 708-ET	USA 69490862			C
DE-SU 712-ET	USA 69490866		C	
DE-SU 713-ET	USA 69490867		C	
DE-SU 730-ET	USA 69490884			C
DE-SU 734-ET	USA 69490888			C
DE-SU 737-ET	USA 69490891	C		
DE-SU 759-TW-ET	USA 69490913	C		
DE-SU 760-TW-ET	USA 69490914	C		
DE-SU 768	USA 69490922			C
DE-SU 770	USA 69490924			C
DE-SU 772-ET	USA 69490926			C
DE-SU 7723-ET	USA 62721281			C
DE-SU 779-ET	USA 69490933			C
DE-SU 786-ET	USA 69490940			C
DE-SU 797-ET	USA 69490951			C
DE-SU 799	USA 69490953			C
DE-SU 8-ET	USA 68977128			C
DE-SU 802-ET	USA 69490956	C		C

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Name	Registration	HH1	HH2	HH3
DE-SU 8037-ET	USA 64700460			C
DE-SU 804-ET	USA 69490958	C		
DE-SU 805-ET	USA 69490959			C
DE-SU 8067-ET	USA 64700490			C
DE-SU 8079-ET	USA 64700502			C
DE-SU 8102	USA 64700525			C
DE-SU 811-ET	USA 69490965			C
DE-SU 8181-ET	USA 64700604			C
DE-SU 8182-ET	USA 64700605			C
DE-SU 821-ET	USA 69490975	C		C
DE-SU 8214-ET	USA 64700637			C
DE-SU 8230-ET	USA 64700653			C
DE-SU 8233-ET	USA 64700656			C
DE-SU 8239-ET	USA 64700662			C
DE-SU 824-ET	USA 69490978		C	
DE-SU 8248-ET	USA 64700671			C
DE-SU 8250-ET	USA 64700673			C
DE-SU 826-ET	USA 69490980			C
DE-SU 8296	USA 64700719			C
DE-SU 830	USA 69490984			C
DE-SU 831-ET	USA 69490985	C		
DE-SU 8342-ET	USA 64700765	C		
DE-SU 846-ET	USA 69491000			C
DE-SU 85-ET	USA 68977205	C		C
DE-SU 853-ET	USA 69491007			C
DE-SU 856	USA 69491010			C
DE-SU 86-ET	USA 68977206			C
DE-SU 8605-ET	USA 64701028			C
DE-SU 8610-ET	USA 64701033			C
DE-SU 8618-ET	USA 64701041			C
DE-SU 8637-ET	USA 64701060	C		
DE-SU 864	USA 69491018			C
DE-SU 867-ET	USA 69491021			C
DE-SU 8672-ET	USA 64701095			C
DE-SU 87-ET	USA 68977207			C
DE-SU 871-ET	USA 69491025	C		
DE-SU 874-ET	USA 69491028	C		
DE-SU 878-ET	USA 69491032	C		
DE-SU 8783-ET	USA 64701206			C
DE-SU 8806-ET	USA 64701229			C
DE-SU 885-ET	USA 69491039			C
DE-SU 886	USA 69491040			C
DE-SU 8860-ET	USA 64701283			C
DE-SU 8864-ET	USA 64701287			C
DE-SU 8865-ET	USA 64701288			C

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Name	Registration	HH1	HH2	HH3
DE-SU 895	USA 69491049			C
DE-SU 8952-ET	USA 64701375			C
DE-SU 8958-ET	USA 64701381			C
DE-SU 896	USA 69491050			C
DE-SU 90-ET	USA 68977210	C		
DE-SU 9044-ET	USA 66756121			C
DE-SU 9057-ET	USA 66756134			C
DE-SU 9061-ET	USA 66756138			C
DE-SU 9071-ET	USA 66756148			C
DE-SU 91-ET	USA 68977211			C
DE-SU 919-ET	USA 69491073			C
DE-SU 921-ET	USA 69491075	C		
DE-SU 923-ET	USA 69491077	C		
DE-SU 9319-ET	USA 66756396		C	
DE-SU 9325-ET	USA 66756402		C	
DE-SU 9327-ET	USA 66756404			C
DE-SU 9368-ET	USA 66756445	C		
DE-SU 937-ET	USA 69491091	C		
DE-SU 9371-ET	USA 66756448	C		
DE-SU 9411-ET	USA 66756488			C
DE-SU 9416-ET	USA 66756493			C
DE-SU 9425	USA 66756502			C
DE-SU 9439-ET	USA 66756516		C	C
DE-SU 947-ET	USA 69491101			C
DE-SU 9477-ET	USA 66756554	C		
DE-SU 9484-ET	USA 66756561	C		
DE-SU 951	USA 69491105		C	
DE-SU 953-ET	USA 69491107			C
DE-SU 957-ET	USA 69491111			C
DE-SU 958-ET	USA 69491112			C
DE-SU 96-ET	USA 68977216	C		C
DE-SU 9603	USA 66756680			C
DE-SU 963	USA 69491117			C
DE-SU 964-ET	USA 69491118		C	C
DE-SU 965-ET	USA 69491119		C	C
DE-SU 966-ET	USA 69491120		C	C
DE-SU 9666-TW-ET	USA 66756743			C
DE-SU 967-ET	USA 69491121			C
DE-SU 9675-ET	USA 66756752			C
DE-SU 969-ET	USA 69491123			C
DE-SU 970-ET	USA 69491124		C	C
DE-SU 972-ET	USA 69491126	C		
DE-SU 976-ET	USA 69491130			C
DE-SU 978-ET	USA 69491132		C	C
DE-SU 980-ET	USA 69491134		C	

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Name	Registration	HH1	HH2	HH3
DE-SU 981	USA 69491135			C
DE-SU 9849-ET	USA 66756926			C
DE-SU 9851-ET	USA 66756928			C
DE-SU 9852-ET	USA 66756929			C
DE-SU 992-ET	USA 69491146		C	
DE-SU OMAN 6290	USA 61681611			C
DEBOER BOGART ANNABEL-ET	USA 56213483			C
DEBOER BOOKEM SNOW TOPAZ-ET	USA 57072363	C		
DEBOER BRONCO TINA-ET	USA 57163055			C
DEBOER MANGO SNOW GEM-ET	USA 53658250	C		
DEBOER SHAMROCK FICKLE	USA 58504273		C	
DEEP-RUN-CRK CR MARBLE-ET	USA 70592243			C
DEEP-RUN-CRK CST MAJESTA-ET	USA 70592236			C
DEEP-RUN-CRK CT MAISIE-ET	USA 70592238			C
DEEP-RUN-CRK CT MARDETH-ET	USA 70592239			C
DEEP-RUN-CRK LY MATANA-ET	USA 70592255			C
DEEP-RUN-CRK LY MAZAL-ET	USA 70592254			C
DEEP-RUN-CRK METEOR MARS-ET	USA 70592232			C
DEEP-RUN-CRK METEOR MOON-ET	USA 70592231			C
DEEP-RUN-CRK WBK MARVA-ET	USA 70592245			C
DEER-BROOK BRONCO 3150	USA 69857098			C
DEER-BROOK BRONCO 3300	USA 70697527			C
DEER-BROOK BRONCO 3305	USA 70697532			C
DEER-BROOK CYPRUS 3224	USA 70207564			C
DEER-BROOK O MAN 2515	USA 65222627			C
DEER-BROOK SHOTTLE 2973	USA 69216561			C
DEERVUE-ACRES A RHEBA-ET	USA 68973531		C	
DEERVUE-ACRES P ROSIE-ET	USA 68973488		C	
DEERVUE-ACRES P ROSLYN-ET	USA 68973493		C	
DEERVUE-ACRES PLS RAMONA-ET	USA 66350417		C	
DEERVUE-ACRES PLUS RUDY-ET	USA 66350408		C	
DEERVUE-ACRES RASCAL-ET	USA 68973535		C	
DEERVUE-ACRES RAZZLE-ET	USA 66350361		C	
DEERVUE-ACRES REASON-ET	USA 68973536		C	
DEERVUE-ACRES ROOTBEER-ET	USA 68973533		C	
DEERVUE-ACRES ROSS ROANNA	USA 68973567		C	C
DEERVUE-ACRES RUBY-ET	USA 66350426		C	
DEERVUE-ACRES T REBEKAH-ET	USA 66350449		C	
DEERVUE-ACRES T RIVER-ET	USA 66350451		C	
DELABERGE FINLEY LAVANDE-ET	CAN 102578760	C		
DELCATH DICKEY QUARTZ	USA 141508584			C
DELCATH SKYFIRE SARAYN-RED	USA 141508061		C	
DEN-K MAN-O M ISABEL 426	USA 141593612	C		
DEN-K PLANET CLO DIANE-ET	USA 139863974	C		
DEN-K PLANET CLO KELLI-ET	USA 139863938	C		

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Name	Registration	HH1	HH2	HH3
DEN-K PLANET CLO LOLA-ET	USA 139863910	C		
DEN-K PLANET CLO TESSA-ET	USA 139863947	C		
DENMIRE GOLDWYN MARIE 102	GBR 11572610	C		
DENMIRE SHOTTLE MARIE 57-ET	GBR 11141653	C		
DERONDA MILLION EBONY-ET	USA 69548808	C	C	
DESLACS FREELANCE MAELLA-ET	CAN 102618629	C		
DESLACS GIBSON SANTANA-ET	CAN 101530867	C		
DESLACS TOYSTORY CORA	CAN 104357460	C		
DEV-LIN DAWN ROSA 248-ET	USA 64795580		C	
DEV-LIN POTTER DOUGHNUT	USA 62021448		C	
DEWGOOD GOLDBEE	USA 138790756			C
DEWGOOD O-BEA	USA 136091703			C
DEWGOOD O-BOLLIE-ET	USA 139262933			C
DEWGOOD ORBIT-ET	USA 139990917			C
DEWGOOD STITCH-ET	USA 141355832	C		
DEWGOOD-VG SHOTTLE SARAH	USA 138006149	C		
DIAMOND-VU BOGART BEAUTY	USA 140689390		C	C
DIAMOND-VU COLBY ARDEL	USA 140059984		C	
DIAMOND-VU COLBY BETTY	USA 139342675		C	
DIAMOND-VU OFROAD ALISON-TW	USA 138530103		C	
DIAS&DIAS ALAN 2315	USA 70194509	C		
DIAS&DIAS SHOTTLE 2278	USA 70194472	C		
DIC-WISCO 7665	USA 68538358	C		
DIC-WISCO AL 8593	USA 70423963		C	
DIC-WISCO AL 8637	USA 70424007			C
DIC-WISCO AMATEUR 7525	USA 68538218			C
DIC-WISCO BOGART 8444-TW	USA 69395536			C
DIC-WISCO BOGART 8446-TW	USA 69395538			C
DIC-WISCO BOGART 8613	USA 70423983			C
DIC-WISCO BOGART 8703	USA 70424073			C
DIC-WISCO BOGART 8974	USA 70424344			C
DIC-WISCO BRONCO 8477	USA 69395569			C
DIC-WISCO BRONCO 8584	USA 70423954	C		C
DIC-WISCO BRONCO 8608	USA 70423978			C
DIC-WISCO BRONCO 8622	USA 70423992			C
DIC-WISCO BRONCO 8678	USA 70424048			C
DIC-WISCO BRONCO 8697	USA 70424067			C
DIC-WISCO BRONCO 8855	USA 70424225			C
DIC-WISCO BRONCO 8864	USA 70424234			C
DIC-WISCO BRONCO 8943	USA 70424313	C		C
DIC-WISCO CAPTAIN 7666	USA 68538359			C
DIC-WISCO COLBY 7337	USA 66167905		C	
DIC-WISCO COLBY 7554	USA 68538247		C	
DIC-WISCO COLBY 7630	USA 68538323		C	
DIC-WISCO COLBY 7638	USA 68538331		C	

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Name	Registration	HH1	HH2	HH3
DIC-WISCO COLBY 7688	USA 68538381		C	
DIC-WISCO COLBY 8460	USA 69395552		C	
DIC-WISCO COLBY 8480	USA 69395572		C	
DIC-WISCO COLBY 8627	USA 70423997		C	
DIC-WISCO COLBY 8700	USA 70424070		C	
DIC-WISCO IRON 7593	USA 68538286			C
DIC-WISCO JACKSON 7700	USA 68538393	C		
DIC-WISCO LAWN BOY P 7522	USA 68538215			C
DIC-WISCO LAWN BOY P 7682	USA 68538375			C
DIC-WISCO LAWN BOY P 8427	USA 69395519	C		
DIC-WISCO MICHAEL 8428	USA 69395520		C	
DIC-WISCO MICHAEL 8677	USA 70424047		C	
DIC-WISCO MICHAEL 8701	USA 70424071		C	
DIC-WISCO MOSCOW 7328	USA 66167896			C
DIC-WISCO O MAN 7498	USA 66168066			C
DIC-WISCO O MAN 7656	USA 68538349			C
DIC-WISCO OBSERVER 8930	USA 70424300			C
DIC-WISCO PLANET 8694	USA 70424064			C
DIC-WISCO PLANET 8752	USA 70424122			C
DIC-WISCO PLANET 8754	USA 70424124			C
DIC-WISCO PLANET 8780	USA 70424150			C
DIC-WISCO PLANET 8842	USA 70424212			C
DIC-WISCO RUSSELL 8413	USA 69395505	C		
DIC-WISCO TIME 8730	USA 70424100			C
DIC-WISCO TIME 8781	USA 70424151			C
DIC-WISCO TIME 8957	USA 70424327	C		
DINOMI CASCADE CRI-ET	USA 70273052			C
DINOMI HILL ROSANNA 9202	USA 71167767		C	
DINOMI OFFROAD RYLEY-ET	USA 63154442		C	
DINOMI OUTSIDE 5067	USA 130737177		C	
DINOMI PLANET HOPE 9213	USA 71167778		C	
DINTYS PALERMO DARLA-ET	USA 69958429	C		
DINTYS PALERMO DELIGHT-ET	USA 70641959	C		
DIRT-ROAD SNO CHEESECAKE-ET	USA 69894616			C
DIT JUWEL	DEU 1401938922	C		
DIXIE-RIDGE OMAN BETH-ET	USA 68975667			C
DONOVAN-BR KERRY 3100-ET	USA 69751688		C	
DONOVAN-BR KRISTIN 3102-ET	USA 69751690		C	
DOOL-LEIGH PLANT PASSION-ET	USA 62607437		C	
DOOL-LEIGH WIND CHIME-ET	USA 69361213		C	
DOR-RICH O-MAN FIRE	USA 62711095			C
DORSLAND MORTY POPTART-ET	USA 66934823	C		
DOTHEDALE TERMINAT ALENE-ET	USA 64964744		C	
DOTHEDALE TERMINAT ALLIE-ET	USA 64964743		C	
DR-MARKS COLB ANGIE 3003-ET	USA 66784899		C	

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
DREAM&DO OUTSIDE CASSIDY-ET	USA 61240685		C	
DREAM&DO-P BALANCE SUSAN	USA 17400549	C		
DREAM-PRAIRIE DURABLE ACORN	USA 69860378		C	
DREAM-PRAIRIE MOM BREEZE-ET	USA 70720775		C	
DREAM-PRAIRIE MR B BETH-ET	USA 139084025		C	
DREAM-PRAIRIE RV BABELLE-ET	USA 69860354		C	
DREAM-PRAIRIE RV BABYLON-ET	USA 69860353		C	
DREAM-PRAIRIE RV BEESWAX-ET	USA 69860356		C	
DREAM-PRAIRIE RV BERMUDA-ET	USA 69860357		C	
DREAM-PRAIRIE RV BISCUIT-ET	USA 69860358		C	
DRYHOUSE-M YUENGLING GLASS	USA 70055012			C
DT GESTRA	NLD 437563334	C		
DUCKETT-BH MILLION SARA-ET	USA 69313686		C	
DUCKETT-BH MILLION SHERI-ET	USA 69313685		C	
DWIBET VINCE KHLOE	USA 134431925	C		
DYECREST FRANK VIVIA-14798	USA 70808829	C		
DYECREST O MAN LUCY-9563	USA 61947461			C
DYECREST O MAN NANCY-9288	USA 61737760			C
DYECREST SHOTTLE NAN-11369	USA 64177927			C
E-LONGVIEW BOGART ANN	USA 140306602			C
E-LONGVIEW MILLION BETA	USA 140265529		C	
EASTVIEW ADVENT ALLY MG-ET	USA 69304047	C		
EASTVIEW ALEXANDER ALISA	USA 69304036	C		
EASTVIEW ATWOOD ANDIE-ET	USA 70317806	C		
EASTVIEW BI INVA LL-ET	USA 133646203			C
EASTVIEW CLARK CANDICE-ET	USA 70317800	C	C	
EASTVIEW CLARK CHAMPAGNE-ET	USA 70317805		C	
EASTVIEW CLARK CHLOE-ET	USA 70317804	C	C	
EASTVIEW CLARK CINNAMON-ET	USA 70317807		C	
EASTVIEW CLRK CINDARELLA-ET	USA 70317799		C	
EASTVIEW CONFIDENCE-ET	USA 71053369	C		
EASTVIEW GUTHRIE GLAMOUR-ET	USA 70317816	C		
EASTVIEW ONWARD OKAY LL-ET	USA 66557833			C
EASTVIEW POINT PARTY LL	USA 70317771			C
EASTVIEW SWEET TRASH-ET	USA 70317811	C		
ECHOWOOD ARMSTEAD PATS-ET	USA 63477083			C
ECHOWOOD BUCKEYE PATS 56-ET	USA 68724500			C
ECHOWOOD BUCKEYE PATS 57-ET	USA 68724501			C
ECHOWOOD BUCKEYE PATS-55-ET	USA 68724499			C
ECHOWOOD DMAIN PATS 111-ET	USA 70425060			C
ECHOWOOD DOMAIN PIPER-ET	USA 69421089			C
ECSTACY ABBIEN-ET	NLD 493232825	C		
ED-NICK O-STYLE GLENDA-ET	USA 70596417			C
EILDON-TWEED ALEXANDER KAS	USA 68798722	C		
EILDON-TWEED DIGR TON-ET	USA 69805015	C		

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Name	Registration	HH1	HH2	HH3
EILDON-TWEED FR TANG-ET	USA 70323413	C		
EILDON-TWEED FR TANTALZ-ET	USA 70323411	C		
EILDON-TWEED MANIFOLD RICK	USA 70323587			C
EILDON-TWEED MILLION RAN-ET	USA 68798683		C	
EILDON-TWEED PLANET TANG	USA 66843367	C		
EILDON-TWEED ROSS FRAN	USA 70323438			C
EILDON-TWEED ROSS LAUR	USA 70796879			C
EILDON-TWEED ROSS LOTH	USA 70323402			C
EILDON-TWEED ROSS NO	USA 70796897			C
EILDON-TWEED ROSS ROR	USA 70323421			C
ELDER-CREEK OSIDE BLUE ANN	USA 62656321		C	
ELISA-ET	DEU 662950633	C		
ELK-LICK ANN CHARLES ARDEL	USA 121975388		C	
ELK-LICK DURHM ARDEL LEA-ET	USA 62509157		C	
ELSBERND RED-OAK BUNNY	USA 70638804			C
EMMARK SANCHEZ MIDGE 0-42	USA 141195560	C		
END-ROAD 0-MAN BUBBLE-ET	USA 135357853			C
END-ROAD BAXTER BRIDGET-ET	840003001697374	C		
END-ROAD BRONCO MAGNOLIA	840003005754375			C
END-ROAD BURT BAMBINA	840003000336254			C
END-ROAD BURT MACHIKO-ET	840003000336240			C
END-ROAD COLT RAINA-RED-ET	840003009545281	C		
END-ROAD DAMASCUS BRIE-ET	840003006453288		C	C
END-ROAD DAMASCUS MADISON	840003006453300		C	
END-ROAD DAMASRUS BELA-ET	840003006453287		C	
END-ROAD DOMAIN BONNY-ET	840003006453278	C		
END-ROAD EARNIT BABA-ET	840003005754389			C
END-ROAD MARSH BUTTER-ET	USA 137355240	C		
END-ROAD MI R HAPPY 4424-ET	USA 138287359	C		
END-ROAD MILLION BETH-ET	840003005754322		C	
END-ROAD MILLION BRISA-ET	840003005754326		C	
END-ROAD MOSCOW BLAZE-ET	840003005754355			C
END-ROAD PLANET BALLERINA	840003005754298			C
END-ROAD PLANET BLAIR-ET	840003001697473			C
END-ROAD SANCHEZ MABLI	840003005754361			C
END-ROAD SHOTTLE BRYE-ET	840003001697497			C
END-ROAD SOTO MINNA	840003009545278		C	
ENFUEGO DUNDEE KENDRA-ET	USA 70355693			C
ENSENADA COLBY PEACE	USA 63704878		C	
ENSENADA MAC PICKY	USA 63704863			C
ENSENADA MILLION MARGIE-ET	USA 66451379		C	
ENSENADA MILLION METRO-ET	USA 66451397		C	
ERBACRES LYDON DELCA-ET	USA 139004458	C		
ERNEST-ANTHONY BASIL-ET	USA 68512368		C	
ERNEST-ANTHONY BONJOUR-ET	USA 68659688		C	

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Name	Registration	HH1	HH2	HH3
ERNEST-ANTHONY BOUTIQUE-ET	USA 68659690		C	
ERNEST-ANTHONY SAN LAYLA	USA 140617867	C		
ESKDALE DSTRY LUSTRE-RED-ET	USA 70224857		C	
ESKDALE LARSON ASTER-RED	USA 70224919		C	
ESKDALE SHOTTLE LICORRIE-ET	USA 66572480			C
ESMUR-DOWNS VICTORY NTOTO	USA 136711045	C		
EVEN-PAR SH LOVELY-RED-ET	USA 66758375			C
EVEN-PAR SHF LACE-ET	USA 66758377			C
EVEN-PAR SHF LASS-ET	USA 66758396			C
EVEN-PAR UFIN SAPPY-ET	USA 66758109	C		
EVER-GREEN-VIEW ANGEL-ET	USA 140756247		C	
EVER-GREEN-VIEW ANTE-UP-ET	USA 70599352			C
EVER-GREEN-VIEW DAPHNE-ET	USA 70136023	C		
EVER-GREEN-VIEW ELLARY-ET	USA 70599275	C		C
EVER-GREEN-VIEW ELLYMAE-ET	USA 140179651		C	
EVER-GREEN-VIEW ELSA-ET	USA 129740913	C		
EVER-GREEN-VIEW EME-ET	USA 140179633	C		
EVER-GREEN-VIEW EMILLI-ET	840003008400526	C	C	
EVER-GREEN-VIEW EMOLLI-ET	840003008400528	C	C	
EVER-GREEN-VIEW EMQUEST-ET	USA 140503072	C		
EVER-GREEN-VIEW ESCLAVA-ET	USA 140912814	C		
EVER-GREEN-VIEW HIANO-ET	USA 70599366			C
EVER-GREEN-VIEW LE VAL-ET	USA 17383949	C		
EVER-GREEN-VIEW MY 1326-ET	USA 61853387	C		
EVER-GREEN-VIEW SMRS EVA-ET	USA 70785148	C		
EVER-GREEN-VIEW SMRS EVE-ET	USA 70785146	C		
EVERMARK OMAN 652-ET	USA 137081615			C
EXELS BOOKEM MAGGIE 16987	USA 70284212			C
EXELS O MAN CELINE 13494	USA 62837832	C		C
FAIR-HILL BOLTON 1171-ET	USA 64759622		C	
FAIR-HILL DORNE 1460-ET	840003006216800		C	
FAIR-HILL DORNE 1467-ET	840003006216807		C	
FAIR-HILL RUDY 922-ET	USA 62116161		C	
FAIR-HILL RUDY 927	USA 62116166	C		
FAIRMONT CLARK 1001	USA 70550674		C	
FAIRMONT CLARK AMIE	USA 70801988		C	
FAIRMONT CLARK DANIA	USA 70801953		C	
FAIRMONT CLARK FIFI	USA 70801983		C	C
FAIRMONT CLARK FREIDA	USA 70801912		C	
FAIRMONT CLARK PANSY	USA 70801892		C	
FAIRMONT CLARK SHANI	USA 70801934		C	
FAIRMONT CLARK SHARNEL	USA 70801928		C	
FAIRMONT JEEVES JULIE	USA 70802035			C
FAIRMONT LB PRETTY-RED	USA 70550690	C		
FAIRMONT PLATO CLAIRE	USA 70801971	C		

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Name	Registration	HH1	HH2	HH3
FAIRMONT PRENTICE 625	USA 69016976	C		
FAR-R-LA ANGELS ALRIGHT-ET	USA 66840480		C	
FARMDALE ATWOOD CARMEL	USA 70788337			C
FARNEAR APPLES DANCING-ET	USA 71290737	C		
FARNEAR BLISSFUL MICKEY-ET	USA 70639257		C	
FARNEAR BRITISH O-STYLE	USA 69320654	C		C
FARNEAR BRITISH QUEEN-ET	USA 63050290	C		
FARNEAR BROCAD BRITELITE-ET	USA 70639222			C
FARNEAR BROCAD BRITESHOW-ET	USA 70639224			C
FARNEAR BROCAD MADONNA-ET	USA 69320598		C	
FARNEAR BROCADES BRITNI-ET	USA 66840485		C	
FARNEAR DANCING ALEXIS-ET	USA 71290741	C		
FARNEAR DANCING BABY-ET	USA 71290756	C		
FARNEAR DANCING MACHINE-ET	USA 66840492	C	C	
FARNEAR DANCING MICKEY-ET	USA 66840486		C	
FARNEAR DANCING MIKA-ET	USA 66840491	C	C	
FARNEAR DANCING MUSIC-ET	USA 66840497	C	C	
FARNEAR DANCING OVERYOU-ET	USA 71290726	C		
FARNEAR DANCING QUEEN-ET	USA 61976573	C		
FARNEAR DANCING SHAKE-ET	USA 71290752	C		
FARNEAR DANCING SISTER-ET	USA 70639358	C		
FARNEAR DIGITAL DIXIE DQ-ET	USA 63050377	C		
FARNEAR GOLDEN PIZZA-ET	USA 70639310		C	
FARNEAR HEAVEN HARMONY-ET	USA 66840528		C	
FARNEAR HEAVENS HAPPY	USA 69320689			C
FARNEAR LEWIS MOODOLL-ET	USA 70639404		C	
FARNEAR LOVE FOR ADEEN-ET	USA 69822233			C
FARNEAR MILL BRIDGETT-ET	USA 68711447		C	
FARNEAR MILLION ANGEL-ET	USA 68792861		C	
FARNEAR O-STYLE LIGHT	USA 69320673	C		
FARNEAR QUEEN MAC MAVIS-ET	USA 63050309	C		
FARNEAR SWEET MICKEY-ET	USA 70639354		C	
FARNEAR-B BROC BELLERINA-ET	USA 70477035			C
FARNEAR-TBR ATWOD PURPLE-ET	USA 66453850		C	
FARNEAR-TBR ATWOOD PARTY-ET	USA 66453854		C	
FARNEAR-TBR ATWOOD POM-ET	USA 66453851		C	
FARNEAR-TBR ATWOOD POP-ET	USA 66453853		C	
FARNEAR-TBR BARB BESS-ET	USA 69320676		C	
FARNEAR-TBR BARB BIZILLA-ET	USA 69320650		C	
FARNEAR-TBR BARB BIZORA-ET	USA 69320648		C	
FARNEAR-TBR BARB BROWNIE-ET	USA 69320686		C	
FARNEAR-TBR BL MASTERFUL-ET	USA 69320646		C	
FARNEAR-TBR BL MERCEDES-ET	USA 66840533		C	
FARNEAR-TBR DESTRY PEACE-ET	USA 69320576		C	
FARNEAR-TBR GOLD PEANUT-ET	USA 69320597		C	

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Name	Registration	HH1	HH2	HH3
FARNEAR-TBR GW PLAYFUL-G-ET	USA 70639314		C	
FARNEAR-TBR JEE PROSPER-ET	USA 69320630		C	
FARNEAR-TBR JEEVES PEER-ET	USA 69320636		C	
FARNEAR-TBR JEEVES POSH-ET	USA 69320627		C	
FARNEAR-TBR MAC PINK-ETS	USA 69320585		C	
FARNEAR-TBR MILN MYSTERY-ET	USA 66840487		C	
FARNEAR-TBR PARADISE-G-ET	USA 70639302		C	
FARNEAR-TBR PARADSE-GOLD-ET	USA 70639321		C	
FARNEAR-TBR PLNT PATRICA-ET	USA 69320571		C	
FARNEAR-TBR PLNT PEARL-ET	USA 69320570		C	
FARNEAR-TBR PLNT PEPPER-ET	USA 69320572		C	
FARNEAR-TBR POPSICLE-ET	USA 66453865		C	
FARNEAR-TBR PRAIRIE PONG-ET	USA 69320635		C	
FARNEAR-TBR PRINCESS-ET	USA 63050354		C	
FARNEAR-TBR TABINE TAB	USA 70639396	C		C
FARNEAR-TBR-BH SNOWMOO-ET	USA 70639280			C
FASTLANE PLANET LEANN-ET	USA 65652976	C		
FEARNLEY TERRASON HONEY	USA 62993786	C		
FEMCORA	NLD 428046143	C		
FERN-HILL LRN FLOWER	USA 141179654	C		
FINGER BRETT 3755	USA 70458268	C		
FINGER CLARK 3775	USA 70458288		C	
FINGER SHAMROCK 3869	USA 70838741		C	
FIR-RIDGE 18163	USA 64183497			C
FIR-RIDGE AUG CALI 4909-ET	USA 62826104	C		
FIR-RIDGE GRACE 4227-ET	USA 61540554	C		
FIR-RIDGE OMAN PEG 4510	USA 61540837			C
FIR-RIDGE OMAN POLLY 4756	USA 62339945			C
FISCHER-HEIGHTS CONNIE	USA 14758663			C
FISCHER-HEIGHTS CU CATHY-ET	USA 14677321			C
FKK-GOLD WINDBROOK HOLLY-ET	USA 64010327		C	
FLICKSTEAD AL 1477	USA 66761435			C
FLICKSTEAD O MAN 1204	USA 62811635			C
FLINT-VILLE APLE MAXINE-RED	USA 68662638		C	
FLINT-VILLE S MADISON-P-RED	USA 68662705		C	
FLINT-VILLE WILLA PO-ET	USA 68662717		C	
FLOWER-BROOK MILLION ATM-ET	USA 64886330	C	C	
FLY-HIGHER BOSSIRON TOSH-ET	USA 64518689			C
FLY-HIGHER GOLDWYN FRAN-ET	USA 62038279	C		
FLY-HIGHER MILLION MOLLY-ET	USA 66423297		C	
FLY-HIGHER MILLN MARCIE-ET	USA 66423295		C	
FLY-QUIETLY ROSS DELTA-ET	840003008981725			C
FOREST-LAWN MILLION 2153	USA 68573565		C	
FOREST-LAWN MILLION 2180	USA 68573592		C	
FORTUNE SEPPIE	NLD 464421812	C		

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Name	Registration	HH1	HH2	HH3
FOUR-OF-A-KIND DMSY DOREEN	USA 141375386		C	
FOUR-OF-A-KIND MEGA MIL-ET	USA 66858446		C	
FOUR-OF-A-KIND MIL MARNE-ET	USA 140414660		C	
FOUR-OF-A-KIND MYSTIC-ET	USA 66858466		C	
FOUR-SHOTT JUNCT ZIPPER-ET	USA 140409659			C
FOURDIAMONDB MILLION MARDI	USA 68580596		C	
FOURSHOTT BRONCO ZADE-ET	USA 140921726			C
FRIESS-JK O-MAN CARRIE	USA 137759389			C
FRITZLAND OM TRUDY-ET	USA 136056353			C
FROSTY-ROCK O-STYLE 815-ET	USA 70920217			C
FROSTY-ROCK O-STYLE 824-ET	USA 70920226			C
FURNACE-HILL SHMRK DELIGHT	USA 58464250		C	
FURNACE-HILL SMRK ALASKA-ET	USA 58464264		C	
FURNACE-HILL SMRK ALLIE-ET	USA 58464265		C	
FURNACE-HILL SMRK AROMA-ET	USA 58464266		C	
FURNACE-VIEW MILN ZINNIA-ET	USA 55689587		C	
FUSTEAD ACHAIRMAN SPA-ET	USA 141324184			C
FUSTEAD ACHAIRMAN SPRING-ET	USA 141324175			C
FUSTEAD ACHAIRMAN SUZANA-ET	USA 141151410			C
FUSTEAD CHAIRMAN SMITTEN-ET	USA 70826946			C
FUSTEAD CHAIRMAN SMORE-ET	USA 70826958			C
FUSTEAD IOTA DOROTHY-ET	USA 141645225	C		
FUSTEAD MAC 10895-ET	USA 64828763			C
FUSTEAD MAC BANTAM-ET	USA 139049974			C
FUSTEAD MAC SIBYL-ET	USA 138906515			C
FUSTEAD NIAGRA SKIDDOO-ET	USA 70827000			C
FUSTEAD OMAN SAMANTHA-ET	USA 61436656			C
FUSTEAD PLANET DEBONAIR-ET	USA 140255380	C		
FUSTEAD SADIE CRI-ET	USA 68767193		C	
FUSTEAD SADIRA CRI-ET	USA 68767192		C	
FUSTEAD SARONA CRI-ET	USA 68767191		C	
GA-IL DIGGER DENISE	USA 71058085	C		
GA-IL J-LOU M-O-M CLAIR-ET	840003006537176	C		
GA-IL MILLION PRESCIOUS-ET	USA 69955082	C	C	
GA-IL MILLION TERESA-ET	USA 69955081	C	C	
GAV-N-VIEW BRONCO 1081	USA 68956501			C
GAV-N-VIEW MURPHY 1064	USA 68956484			C
GAV-N-VIEW SHAMPOO 1069	USA 68956489			C
GBM MAC JACKELINE-ET	USA 65380372		C	
GBM MILLION VALLEY-ET	USA 66893944		C	
GBM MILLION VANESA-ET	USA 66893952		C	
GBM RAVISH 5288-ET	USA 70179382		C	
GEHL-ACRES PHOENIX MARCIE	USA 64471355	C		
GEHRKE JOHAN OB SADLER-ET	USA 71389024			C
GEM-HILL OMAN TROY	USA 135771343			C

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Name	Registration	HH1	HH2	HH3
GEN-ACE OUTSIDE RYLEE-ET	USA 61277756		C	
GEN-I-BEG TALENT SPECTRA-RED	CAN 102630421	C		
GEN-I-BEQ CHAMPION SELINA-ET	CAN 101625220	C		
GEN-I-BEQ DURHAM SHERRY-ET	CAN 8301920	C		
GEN-I-BEQ DURHAM SUNSHINE-ET	CAN 9310772	C		
GEN-I-BEQ INQUIRER SPLENDIDE	CAN 100745658	C		
GEN-I-BEQ MR BURNS STRAWBERRY	CAN 105093434		C	
GEN-I-BEQ STORMATIC SPLENDISSA	CAN 102614058	C		
GEN-MARK OMAN WINSOME	USA 135248045			C
GENESEE-HILL BGRT MAGAN-ET	USA 69425083			C
GENESEE-HILL BOGART MAE-ET	USA 69425076			C
GENESEE-HILL SCHZ CHERUB-TW	USA 66761625		C	
GENIE-J SHAMROCK MONICA-ET	USA 70888976	C	C	
GERRITS 7661 SNAP PEA 9615	USA 68890189		C	
GIBBS-LJ STORMATIC HONALULU	USA 134057488	C		
GIL-GAR JEEVES VANDL	USA 56295535			C
GIL-GAR KRUSADER MARSHA	USA 58620411	C		
GIL-GAR KRUSADER OLGA-ET	USA 56541867	C		
GIL-GAR O-MAN MILO	USA 139950133			C
GIL-GAR SHOTL MCLITE	USA 55595935			C
GIL-GAR SHTL MARGO	USA 55595931			C
GILLETTE SHOTTLE LOOK AT ME-ET	CAN 7816600	C		
GLADHEART MILLION ADEENA-ET	USA 141394316		C	
GLEN-D-HAVEN AARON BAMBI-ET	USA 50426692	C		
GLEN-D-HAVEN BL BLIZZARD-ET	USA 53778179	C		
GLEN-D-HAVEN BOL BARBEE-ET	USA 53778200	C		
GLEN-D-HAVEN BOLI BOOTY-ET	USA 53778169	C		
GLEN-D-HAVEN IOTA BAMBI-ET	USA 56517166	C		
GLEN-D-HAVEN JOSE BUTTON-ET	USA 52849579	C		
GLEN-D-HAVEN JT BREYA-ET	USA 55618755	C		
GLEN-D-HAVEN MIL BANANAS-ET	USA 56282237		C	
GLEN-D-HAVEN MILL BONES-ET	USA 55636077		C	
GLEN-D-HAVEN OM BILLY-ET	USA 52482428	C		
GLEN-D-HAVEN OS MAYCE	USA 57173408			C
GLEN-TOCTIN ATL LIBBY-ET	USA 140417645			C
GLEN-TOCTIN ATL LISHA-ET	USA 140417654			C
GLEN-TOCTIN ATL LIZZY-ET	USA 140417663			C
GLEN-TOCTIN BOLT LUCINDA-ET	USA 138464761	C		
GLEN-TOCTIN BOLT LUELLA-ET	USA 140018024			C
GLEN-TOCTIN BOLTON LIVANNA	USA 139206328	C		
GLEN-TOCTIN LILLIAN CRI-ET	USA 62030782	C		
GLEN-TOCTIN MAC LILAC-ET	USA 139218701			C
GLEN-TOCTIN MAC LILLIAN-ET	USA 139218680			C
GLEN-TOCTIN MILL LACY-ET	USA 140293966		C	
GLEN-TOCTIN MILL LADY-ET	USA 140293975		C	

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Name	Registration	HH1	HH2	HH3
GLEN-TOCTIN OBSERV LUCKY-ET	USA 140882609	C		
GLEN-TOCTIN SANCHEZ LISH-ET	USA 140089293			C
GLEN-TOCTIN SHOTTLE LIVA-ET	USA 137242018	C		
GLEN-TOCTIN SNOW HARRIET-ET	USA 141494744			C
GLEN-TOCTIN SNOW HAZEL-ET	USA 141494753			C
GLEN-TOCTIN SNOW LANNA-ET	USA 141501046	C		
GLEN-TOCTIN SUPE LIVERNE-ET	USA 140882597	C		
GLEN-TOCTIN SUPER LASSIE-ET	USA 140738405	C		
GLEN-TOCTIN SUPER LAVISH-ET	USA 140738441	C		
GLENELLEN B-I RUFFLE	USA 138341680			C
GLENMILD MILLION KOLA	USA 141196169		C	
GLENN-ANN TALENT POSH	USA 139379767	C		
GO-MAKE OUTSIDE MERCEDES	USA 138067777		C	
GOLD-N-OAKS B PAOLA2230	USA 69928677			C
GOLD-N-OAKS BOSCO CINNAMON	USA 128984424			C
GOLD-N-OAKS C DELINA2283	USA 69928730			C
GOLD-N-OAKS D MALITA2334-ET	USA 70553122	C		
GOLD-N-OAKS DELITE2366-ET	USA 70553154			C
GOLD-N-OAKS L FABULA-ET	USA 62213238			C
GOLD-N-OAKS LUMA2385	USA 70553173			C
GOLD-N-OAKS M GRACIE1979-ET	USA 66340519	C		
GOLD-N-OAKS M HALO2071	USA 68627111		C	
GOLD-N-OAKS M MISAKA2127-ET	USA 69118101		C	
GOLD-N-OAKS M MISAKI2138-ET	USA 69118112		C	
GOLD-N-OAKS M MISAKO2140-ET	USA 69118114		C	
GOLD-N-OAKS M PALOMA2110-ET	USA 69118084		C	
GOLD-N-OAKS O TEDORA2358-ET	USA 70553146			C
GOLD-N-OAKS P DREAMI2053-ET	USA 68627093			C
GOLD-N-OAKS PK NIAG 4998-ET	USA 66260937	C		
GOLD-N-OAKS PK NIAG 5013-ET	USA 68997270	C		
GOLD-N-OAKS RABELLA2050-ET	USA 68627090		C	
GOLD-N-OAKS S RAMONA2332-ET	USA 70553120		C	
GOLD-N-OAKS SARAFINI-RED-ET	USA 68627087	C		
GOLD-N-OAKS SARASOTA-RED-ET	USA 70553191	C		
GOLD-N-OAKS SARASOTI2413-ET	USA 71295140	C		
GOLD-N-OAKS SAXONA-RED-ET	USA 68627143	C		
GOLD-N-OAKS SNOWGAL2327-ET	USA 70553115			C
GOLD-N-OAKS SNOWGIRL2325-ET	USA 70553113			C
GOLD-N-OAKS U-GOGIRL2028-ET	USA 68627068			C
GOLD-N-OAKS ULTAMATE2399-TW	USA 70553187			C
GOLD-N-OAKS ULTIMATE2398-TW	USA 70553186			C
GOLDCREST SHOTGUN RAINA	USA 140363955			C
GOLDCREST STORMATIC ABBY	USA 64078911	C		
GOLDEN-OAKS 5213	USA 69214878	C		
GOLDEN-OAKS BACC MILLY-ET	USA 62058058		C	

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Name	Registration	HH1	HH2	HH3
GOLDEN-OAKS BR REMEDY-ET	USA 69214997			C
GOLDEN-OAKS JEEVES SONIA-ET	USA 66066537	C		
GOLDEN-OAKS MAYBELLINE-RED	USA 69823334		C	
GOLDEN-OAKS MILLN LOUISE-ET	USA 66066531	C	C	
GOLDEN-OAKS OMAN ALLIE-ET	USA 61690429			C
GOLDEN-OAKS PAM-RED-ETS	USA 69823322		C	
GOLDEN-OAKS PEG-RED-ETS	USA 69823323		C	
GOLDEN-OAKS PLANET DICE-ET	USA 66066456	C	C	
GOLDEN-OAKS PLANET ECLIPSE	USA 69823223	C		
GOLDEN-OAKS ROSS DINA-ET	USA 69823347	C		C
GOLDEN-ROSE SHO CATALINA-ET	USA 66496592		C	
GOLDIE ALTAROSS BREE-ET	USA 69860322			C
GOLDIE JETSTREAM MIMI-ET	USA 139495805	C		
GOLDIE MILLION CARLY-ET	USA 140415081		C	
GOLDIE MILLION CARMEN-ET	USA 140415175		C	
GOLDIE MILLION CHERYL-ET	USA 140415072		C	
GRAN-J AUDEN SNACK-ET	USA 139467226	C		C
GRAN-J BOWSER SKIPPY-ET	USA 140782084			C
GRAN-J DOMAIN SKOGEN	USA 141148719	C		
GRAN-J GOLDWYN SPRUCE	USA 139740008			C
GRAN-J PLUS SARAH-ET	USA 66893926			C
GRAN-J PLUS SCARLET CRI-ET	USA 64541780			C
GRAN-J PLUS SILVER CRI-ET	USA 64541778			C
GRAN-J RUSSEL SOLO-ET	USA 141442895			C
GRAN-J RUSSELL STITCH-ET	USA 140873489			C
GRAN-J SASHA CRI-ET	USA 66321100			C
GRANSKOG-ACRES CANDANCE	USA 70711443		C	
GRANSKOG-ACRES CARROT	USA 69932949		C	
GRANSKOG-ACRES CRAFTY	USA 69932973			C
GRANSKOG-ACRES CRAYON	USA 69932968			C
GRANSKOG-ACRES CRYSTAL	USA 69932964		C	
GRANSKOG-ACRES FLOOSIE	USA 69932937		C	
GRANSKOG-ACRES FROSTY	USA 70711448			C
GRANSKOG-ACRES FRUMPY	USA 69932953		C	
GRANSKOG-ACRES GOOFY	USA 69932966			C
GRANSKOG-ACRES HEMA	USA 69932967		C	
GRANSKOG-ACRES KOOLEY	USA 69932969		C	
GRANSKOG-ACRES LINGER	USA 69932962		C	
GRANSKOG-ACRES MARTEE	USA 69932965			C
GRANSKOG-ACRES MELANIE	USA 70711462		C	
GRANSKOG-ACRES SEASHELL	USA 69932943		C	
GRANSKOG-ACRES SNOOKUMS	USA 69932934		C	
GRANSKOG-ACRES SNOOZIE	USA 69932959		C	
GREAT-HERITAGE BECCA-ET	USA 135453997	C		
GREEN-CORNER M MAIDEN-ET	USA 65472760		C	

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Name	Registration	HH1	HH2	HH3
GREEN-MEADOW ARAID TISHA-TW	840003001414756		C	
GREEN-MEADOW CHELSI-ET	USA 61685075		C	
GREEN-MEADOW KAROLE-ET	840003001167781		C	
GREEN-MEADOW KASIE-ET	USA 61685054		C	
GREEN-MEADOW KINSEY-ET	840003001167640		C	
GREEN-MEADOW MATT TAJA	USA 61370095	C		
GREENLANE DESTRY LAUREL-RED-ET	CAN 10990081		C	
GRENLANE MRB LIZZIE-RED-ET	CAN 9666068		C	
GROVES-VU SHAMROCK FRANZEN	USA 70816004		C	
GTJ PLANET DAVA-ET	USA 65926575			C
GTJ PLANET DEMI-ET	USA 65926577			C
GTJ SHOTTLE DANICA	USA 65926587			C
GUELDENER COLBY JACKIE-ET	USA 65365184		C	
GUELDENER DESTRY MADDY-TW	USA 68888565			C
GUESE PRTNS MILL RHIANNA-ET	USA 68739614		C	
GUESE PRTNS MILLION RUBY-ET	USA 68739612		C	
GUIDED-PATH #1535 1744-TW	USA 70877075			C
GUIDED-PATH ATLANTIC 1573	USA 68676317			C
GUIDED-PATH CLARK 1696	USA 69827592		C	
GUIDED-PATH DAMASCUS 1704	USA 70877035		C	
GUIDED-PATH MILLION 1540-ET	USA 68676284		C	
GUIDED-PATH OBSERVER 1711	USA 70877042		C	
GUIDED-PATH PALERMO 1677	USA 69827573	C		
GUIDED-PATH SPEARMINT 1545	USA 68676289		C	
GUNDYS GOLDWYN ERMA	USA 64350318			C
GUNDYS JEEVES EDGE	USA 68554265			C
GUNNERS-WILL PATRON PATTI	USA 128344477	C		
H-B-I KRUSADER CINDY	USA 70180616	C		
H-R-S ESCALADE ANNA 1353-ET	USA 70922779			C
H-VOS ALEXANDER SILVIA-ET	USA 56211909	C		C
H-VOS ALEXANDER SOFIE-ET	USA 56211910			C
H-VOS BOGART LOYALTY	USA 56211925			C
H-VOS BOXER SHALOM 2-ET	USA 56414482	C		
H-VOS CHUCK TIFFANY	USA 56378981			C
H-VOS MILLION BEB	USA 55913100		C	
H-VOS SHAMROCK SHEBA	USA 57076334	C		
H-VOS TIME SYMPHONY	USA 56211921			C
H-VOS ZENITH SALOME-ET	USA 53774909	C		C
H-VOS ZENITH SHALOM-ET	USA 53774912	C		C
H-VOS ZENITH SHARON-ET	USA 53774911	C		C
H-VOS ZENITH SHERYL-ET	USA 53774924	C		C
HAGEN OUTSIDE KACI	USA 130251451		C	
HALE-VALLEY OUTSIDE ZEST	USA 135861457		C	
HALL-LAR MARION 229	USA 62968683			C
HALL-LAR PENNY 292	840003001399508			C

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Name	Registration	HH1	HH2	HH3
HALLMARK BURT VELOCIT	USA 63387151	C		
HALO OMAN DAWANA	USA 137108811			C
HALO OMAN DAWN	USA 137108893			C
HALO SAM DEMA-ET	USA 138567503	C		
HAMMER-CREEK MAR KRISTIN-ET	USA 62738979	C		
HAMMER-CREEK MARN KASEY-ET	USA 62738980	C		
HAMMER-CREEK O-S KAMERA-ET	USA 70828544			C
HAMMER-CREEK O-S KRAYON-ET	USA 70828542			C
HAMMER-CREEK O-STY KANDI-ET	USA 70828560			C
HAMMER-CREEK SHAQ SLASH-ET	USA 66760488	C		
HAMMER-CREEK SLOSH-RED-ET	USA 66760498	C		
HAMMER-CREEK SNO KARMIN-ET	USA 69708800			C
HAMMER-CREEK SNO KASSIE-ET	USA 69708794			C
HAMMER-CREEK SNO KELBIE-ET	USA 69708808			C
HAMMER-CREEK SNO KEVONNA-ET	USA 69708801			C
HAMMER-CREEK SNO KONNIE-ET	USA 69708811			C
HAMMER-CREEK SNOMAN KOY-ET	USA 69708809			C
HAPPYDANNY JORDAN BELLA-ET	USA 61565649	C		
HAPPYDANNY SNOW STORM-ET	USA 70840483			C
HAR-DALE-ACRES BANIN FIESTA	USA 70599384		C	
HAR-DALE-ACRES BAX FATE-ET	USA 68738561		C	
HAR-DALE-ACRES BOGAR CLAIRE	USA 70599379			C
HAR-DALE-ACRES OMA JOSIE-ET	USA 70599390			C
HARDWOOD SHOTTLE BLISS-ET	USA 66624737		C	
HARMONY-H BOSS IRON LILA	USA 61645171			C
HARMONY-HO BAXTER PARSLEY	USA 65579648			C
HARMONY-HO CLARK RHIZOME	USA 70348369		C	
HARMONY-HO GARTER INCHWORM	USA 61049104	C		
HARMONY-HO KEGONSA CRI-ET	USA 64541756	C		
HARMONY-HO OFFROAD MIKAYLA	USA 63066490		C	
HARMONY-HO OMAN LADY-ET	USA 62198852			C
HARTFORD O-STYLE 4853	USA 70662766			C
HARTLINE CLARK MADONNA-ET	USA 70673354		C	
HARTLINE O-STYLE LAUREN-ET	USA 70673410			C
HARTLINE O-STYLE LEAH-ET	USA 70673414			C
HARTLINE O-STYLE LIZZY-ET	USA 70673408			C
HARTLINE O-STYLE LUCILLE-ET	USA 70673409			C
HARTLINE O-STYLE LUCINDA-ET	USA 70673417			C
HARTLINE PRELUDE TAMMY-ET	USA 15621506	C		
HASS-ACRES ROUMARE DEANN-ET	USA 65263596		C	
HATCHER&SONS JUSTICE 2786	USA 61765564			C
HATCHER&SONS SPECIAL 2463	USA 61765241	C	C	
HB-WESTROSE ANDREA JEB	USA 136909071			C
HB-WESTROSE BANNING ANNA	USA 62364724			C
HB-WESTROSE OMAN ANDIE	USA 62364723			C

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Name	Registration	HH1	HH2	HH3
HB-WESTROSE SUPER ADELLE	USA 62364721			C
HBC MARKWELL JENNY-ET	NLD 524943407		C	
HBC SHEILA	NLD 446303369		C	
HBC SHEILA 3	NLD 886711027		C	
HBC SHEILA 5	NLD 708211742		C	
HE-MAR-LIN O-STYLE MARCI	USA 70589096			C
HEATHERSTONE-V MANAGERI-ET	USA 69421299	C		
HEATHERSTONE-V MASCARA-ET	USA 66179247	C		
HEATHERSTONE-V MATRIARCH-ET	USA 69421337	C		
HEATHERSTONE-V MELISSA-ET	USA 66179223	C		
HEATHERSTONE-V MELROSE-ET	USA 66179220	C	C	
HEATHERSTONE-V MILEY-ET	USA 139525010	C		
HEATHERSTONE-V MIRACLE-ET	USA 69421346	C		
HEATHERSTONE-V MOSAIC-ET	USA 66179194	C		
HEATHERSTONE-V MYSTERY-ET	USA 69421313	C		
HELGE WESSEL 1019-ET	USA 66937605		C	
HELMERS O STYLE JACEY	USA 71068043			C
HENDEL BOWSER BAJA 3169-ET	USA 68959976			C
HENDEL BOWSER BEIRA 3170-ET	USA 68959977			C
HENDEL BOWSER BERYL 3173-ET	USA 68959980			C
HENDEL BRNCO ASHLYN 3163-ET	USA 68959970			C
HENDEL BRNCO MILIA 3288-ET	USA 69937115			C
HENDEL BRONCO ASHI 3165-ET	USA 68959972			C
HENDEL BURNS MYREE 2663-ET	USA 65283088		C	
HENDEL BWSER BONITA 3171-ET	USA 68959978			C
HENDEL GRF BAKER 3458-ET	USA 69937285			C
HENDEL MANOMAN MARGO 3398	USA 69937225		C	
HENDEL MANOMAN MIKAYLA 3355	USA 69937182			C
HENDEL MILLION MEEK 2936-ET	USA 66521608		C	
HENDEL MR BRNS BALI 2804-ET	USA 65283229		C	
HENDEL MR BURNS PAM-ET	USA 139721779		C	
HENDEL O-STYLE MEG 3479-ET	USA 69937306			C
HENDEL-VATLAND KRMR 3489-ET	USA 69937316			C
HENDEL-VATLAND KRMR 3490-ET	USA 69937317			C
HENKES-BROOK MAC BRINA-ET	USA 65385324		C	
HFK QUINTE	DEU 351648898			C
HFP QUANTESSA	DEU 535867365			C
HIDDEN-VIEW BROOKE-ET	USA 134225184		C	
HIDDEN-VIEW MORTY PAMELA	USA 134522115	C		
HIGH-MOUNTAIN BARBY-ET	USA 66978521		C	
HIGH-SPIRE ATITUD MUV ON-ET	USA 70942064		C	
HIGH-SPIRE RIC-REY FOREVER	USA 66286277			C
HIGHERRANSOM CHAIR CARLY-ET	USA 70067759			C
HIGHERRANSOM COBRA MINA	USA 70561673			C
HIGHERRANSOM COBRA SARAH	USA 70561676		C	

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Name	Registration	HH1	HH2	HH3
HIGHERRANSOM COLBY FRECA	USA 65536230	C	C	
HIGHERRANSOM COLBY SASHA	USA 65536243		C	
HILLS-END MILL CHARISA-ET	840003004252594		C	
HILLS-END MILL CHOSVI-ET	840003004252591		C	
HILLTOP-LLC MARVELOUS 5113	USA 69927935	C		C
HILLTOP-LLC SANCHEZ 5131	USA 69927953			C
HILMAR BOOKEM 5294	USA 70500253			C
HILMAR O-STYLE 5416	USA 70500375			C
HILMAR O-STYLE 5541	USA 71033574			C
HILROSE PALERMO LUCINDA	USA 70398889	C		
HILTOP BWM RONIE	USA 60511832	C		
HILTOP OMAN HARMON CAFE	USA 62052917			C
HOL-STAR ARMSTEAD TEREM-ET	USA 64557670		C	
HOL-STAR BAXTER TERRE-ET	USA 64557651		C	
HOLBRA MILPA	NLD 545851291		C	
HOLBRA PAM	NLD 430248984	C		
HOLBRIC MARSH MYSTICAL-ET	USA 63930448	C		
HOLBRIC-ML MILLON SHELBY-ET	USA 69289330		C	
HOLMGREN SHOTTLE LILY-ET	USA 62866446	C		
HOLMLAND ITCHY TRIGGER	USA 141490487			C
HOLTEX LEAD MILKMEL-ET	USA 14502806			C
HOLTEX PRELUDE MELMILKY-ET	USA 15273521			C
HONADEL BURT ELEVA-ET	USA 63021939			C
HONEYCREST ADELAIDE-ET	USA 70544178		C	
HONEYCREST BAXTER WAFFLE-ET	USA 66636553		C	
HONEYCREST BXTR TERRIFIC-ET	USA 65493425		C	
HONEYCREST COLBY LACEY	USA 65493442		C	
HONEYCREST COLBY PIXIE-ET	USA 65493429		C	
HONEYCREST ELEGNT RIBBON-ET	USA 64061845	C		
HONEYCREST FBI ROLICK	USA 66636622	C		
HONEYCREST MRBURNS GLORY-ET	USA 65493489		C	
HONEYCREST OUTS THRILLER-ET	USA 135990205		C	
HORSENS O-MAN BRITTENY	USA 61983165			C
HORSTYLE BAXTER OLIVE-ET	USA 64572342			C
HORSTYLE BAXTER ORANGE-ET	USA 65963839			C
HORSTYLE BEACON GIGI-TW	USA 70017117			C
HORSTYLE BN MATCHESS-RED-ET	USA 64572296		C	
HORSTYLE BRONCO 1670	840003009557382			C
HORSTYLE BRONCO 1688	840003009557396			C
HORSTYLE CALIBER 1656	840003009557373			C
HORSTYLE DOMAIN GLORIA-ET	USA 70017094			C
HORSTYLE DORCY GAME	USA 69128888			C
HORSTYLE HILL 1673-ET	840003009557385			C
HORSTYLE HILL GLORY-ET	840003009557476			C
HORSTYLE MAC GOING	USA 64572290			C

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Name	Registration	HH1	HH2	HH3
HORSTYLE MILLION O-MARY-ET	USA 66929026		C	
HORSTYLE NIAGRA GALE	840003009557450			C
HORSTYLE O MAN GO	USA 62500368			C
HORSTYLE O-STYLE 1763	840003009557470			C
HORSTYLE O-STYLE MARY-TW	840003009557438			C
HORSTYLE PLANET O-PEACH-ET	USA 65963913			C
HORSTYLE R2 1753	840003009557460	C		
HORSTYLE ROSS 1620	USA 70017086			C
HORSTYLE ROSS 1685	840003009557393			C
HORSTYLE-RW MILLIN CLARA-ET	USA 66929052		C	
HOS-COT PALERMO TABBI	840003007677761	C	C	
HOSKING GOLDWYN COLADA	USA 140178481		C	
HOUSERDALE OUTSIDE KAMMA	USA 60139468		C	
HUMDINGER GOLDWYN GEWIZ-ET	USA 139959664			C
HUNSBERGER MAC SOPHIA	USA 62654061	C		
HUNSBERGER MILLION SYLVIA	USA 69006054		C	
HUNSBERGER SASSY-ET	USA 69006040		C	
HURTGENLEA DOMAIN YOLANDA	USA 69232222	C		
HURTGENLEA PARKER COCONUT	USA 69232255		C	
HURTGENLEA RAMOS MARITYM-ET	USA 65558103			C
HURTGENLEA RAMOS MELODY-ET	USA 65558098			C
HURTGENLEA RAMOS MERCI-ET	USA 65558099			C
HURTGENLEA TRIG MERRILEE-ET	USA 69232220			C
HURTGENLEA ZENITH MOLLY	USA 138652087			C
HY-C-MEADOWS FRED JOYCE	USA 129631600	C		
HYDE-PARK LOGAN 4009	USA 70968679			C
HYDE-PARK O-MAN 2623	USA 62561884			C
HYDE-PARK WIZARD 2428	USA 62056584			C
HYDEAWAY DESTRY DEE	USA 140893791	C		
HYLIGHT FREDDIE DAHLIA 673	USA 69303071	C		
HYLIGHT SHOTTLE ADELE 825	USA 71001826	C		
I-A-STATE AIR-TIME C RHYTHM	USA 63428650			C
I-A-STATE BRITT S POLLY	USA 62434645			C
I-A-STATE COMBAT F JONIE	USA 63428685	C		
I-A-STATE COOL D IRMA	USA 62434586	C		
I-A-STATE GEOFF S ALICE	USA 62434608			C
I-A-STATE IROQUOIS B RUBY	USA 63428691	C		
I-A-STATE MAN S JONI	USA 62434296	C		C
I-A-STATE MARION B MADAM	USA 63428797	C		
I-A-STATE MARION B NELLIE	USA 63428681	C		
I-A-STATE MARION D CHARITY	USA 63428731	C		
I-A-STATE MARION G MAE	USA 63428804	C		
I-A-STATE MARION G STARTUP	USA 63428658	C		
I-A-STATE MARION U EMILY	USA 63428607	C		
I-A-STATE MARION U RUBY	USA 63428903	C		

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Name	Registration	HH1	HH2	HH3
I-A-STATE MR MOTEL D EMILY	USA 63428985	C		
I-A-STATE MR MOTEL D FAME	USA 63428888	C		
I-A-STATE MR MOTEL D PEARL	USA 63428655	C		
I-A-STATE MR MOTEL L RITA	USA 63428698	C		
I-A-STATE MR MOTEL S NELLIE	USA 63428898	C		
I-A-STATE MR MOTEL T MAZIE	USA 63428729	C		
I-A-STATE MR MOTEL W PATSY	USA 63428769	C		
I-A-STATE MRMOTEL L MARILYN	USA 63428720			C
I-A-STATE SOSA F STARLIGHT	USA 63428814	C		
I-A-STATE WEBSTER D JULIE	USA 62434556			C
I-O-STATE BONANZA C PAMELA	USA 132678324	C		
I-O-STATE BOULEVARD S RUBY	USA 60889895	C		
I-O-STATE BRANDON M MADAM	USA 60889827	C		
I-O-STATE BRANDON O ALICE	USA 60889804	C		
I-O-STATE LUCK W MARILYN	USA 131753059			C
I-O-STATE RICE S MADAM 2-TW	USA 61963033			C
I-O-STATE RICE S MADAM I-TW	USA 61963032			C
I-O-STATE SAUNDERS A SANDRA	USA 61963077	C		
I-O-STATE SAUNDERS W ALICE	USA 61963091			C
I-O-STATE UTAH M RITA	USA 61963229			C
ICHTHUS ALAN 753-P 877	USA 66952743			C
IDA-A 718 511	USA 70357658			C
IDA-A 743 536	USA 70357683	C		
IDA-A 793 479	USA 70357733			C
IDEALS AVALANCHE AUBURN-TW	USA 69310823	C		
IDEALS LEADER BEAU SEPHUS	USA 130527994		C	
ILLINI BOGART LASSIE	USA 68865811			C
ILLINI BOGART PHILOME	USA 68865803		C	
ILLINI CRIMSON SAL	USA 68865846	C		
ILLINI DORCY KLARA	USA 68865847			C
ILLINI FAIR DARLEEN	USA 70540254		C	
ILLINI GARRETT LASSIE	USA 68865814	C		
ILLINI GERARD SUE	USA 68865830			C
ILLINI GOLDENBOY KLARA	USA 70540211			C
ILLINI KARL SELINA	USA 70540203		C	
ILLINI RICHMAN CATHEY	USA 68865849		C	
ILLINI SENTRY SUSAN	USA 70540196	C		
ILLINI TIME DARLENE	USA 70540188	C		
ILLINI TIME LOUISE	USA 70540207	C		
INTEGRITY LOMIRA WISC-RED	USA 140426285	C		
INTEGRITY LUSCIOUS 559-ET	USA 140384781		C	
INTEGRITY LUSTYBOY SOLACE	USA 141637707		C	
INTEGRITY O LIGHTENING	USA 136145635		C	
INTEGRITY SYLVIA-ET	USA 141092689		C	
ISLEHAVEN GOLD DANCER-RED-ET	CAN 8360689		C	

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Name	Registration	HH1	HH2	HH3
J&S GADGET MIC GENEVA-ET	USA 139997129	C		
J&S GADGET MIC GERDY-ET	USA 139997110	C		
J&S GADGET MIC GLORIA-ET	USA 139997147	C		
JAMSAR PLTO P ALI AIYANA-ET	USA 69787692			C
JAMSAR PLTO P ALI ARIANNAH	USA 69787691			C
JAMSAR PRONTO ALLIE-ET	USA 139009565			C
JANESTEAD A SHOTL BABY-ET	USA 62336556	C		
JANESTEAD ROBUST ANDREA	USA 70447364	C		
JANNEY MR B SEDONAS SECRET	USA 140681178		C	
JARECO SHOTTLE RAGGY	USA 70188888	C		
JAYWOOD MORTY LIMIT LIZ	USA 136573153	C		
JDD DEMPSTER PUNK	USA 70742648	C		
JEFFREY-WAY TAMAIN	USA 140994867	C		
JEFFREY-WAY TEMIRA	USA 138656933	C		
JEFFREY-WAY TYBO	USA 139756430	C		
JEFFREY-WAY WB TWITTER-ET	USA 141645663	C		
JENNITON MOM ALETA-ET	USA 140578049	C		
JENNY-LOU AFTERSHOCK 3140	840003008967473			C
JENNY-LOU ATWOOD 3156	840003008967489	C		
JENNY-LOU CONTRAST 3231-ET	840003008967564			C
JENNY-LOU CROWN 3200	840003008967533			C
JENNY-LOU CROWN 3202	840003008967535			C
JENNY-LOU CROWN 3240	840003008967573			C
JENNY-LOU OMAN 1036	USA 62650384			C
JENNY-LOU OMAN 988	USA 62074580			C
JENNY-LOU PALERMO 3167-TW	840003008967500	C		
JENNY-LOU PALERMO 3168-TW	840003008967501	C		
JENNY-LOU PALERMO 3187	840003008967520	C		
JENNY-LOU PLANET 3195	840003008967528			C
JERESA FLICK PICKY	USA 141445263			C
JERESA FLICK PRISM	USA 141560243			C
JERESA MILLION MARTHA-ET	USA 140772256		C	
JERESA ROSS AMY	USA 141372011			C
JERESA ROSS POSSI	USA 141166908			C
JIM HERSHEL EQUITY MOO	USA 51822527			C
JIMTOWN ACHAIRMAN NYDIA-ET	USA 70836229			C
JIMTOWN BRONCO NICKER	USA 70836228			C
JIMTOWN GERARD NATURAL	USA 69303542		C	
JIMTOWN NADIAS NEWHOPE	USA 136300117			C
JM-DON-SHER JASPER IRIS-ET	USA 70594675		C	
JO-WAL-LANGS JONAH R-27-ET	USA 141395166			C
JOBO MORTY 3162 3162	USA 63082764	C		
JOLIAM OMAN 3039	USA 62253014			C
JOLICAP EMERYSE ALTAROSS-ET	CAN 106182907			C
JON-LU MILLION LAVENDER-ET	USA 68991091		C	

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Name	Registration	HH1	HH2	HH3
JON-LU MILLION LINDA-ET	USA 68991090		C	
JOOK BOLIVER 4270-ET	USA 61943811	C		
JOOK O-MAN 3875	USA 61562225			C
JOOK O-MAN 4197	USA 61943738			C
JOPO OUTSIDE 142 327	USA 60086603		C	
JULIE-ANN BRADNK BEATRIX-ET	USA 70666128		C	
JULIE-ANN CAMELOT SPICE	USA 70666102			C
JULIE-ANN MAC DEBUTANTE-ET	USA 65641580		C	
JUNE-ACRES EVK	USA 61070227			C
JUNIPER COLBY ASIA-ET	USA 65353751		C	
JUNIPER JARDIN ACTRESS-ET	USA 65353735		C	
JUNIPER JARDIN ALASKA-ET	USA 65353748		C	
JUNIPER MILLION ALWAYS	USA 66987250		C	
JUNIPER PAGEWIRE DEVINE-ET	USA 65353750			C
K&C-VIEW PALERMO ROSEMARIE	USA 141216854	C		
K-R-F WIZARD CENTS	USA 61858829			C
K-STAR ROSS LONI	USA 70848861			C
KADY ZENITH 1390-ET	USA 65898970		C	
KALMEYS EXPLODE PETAL	USA 70801643	C		
KAM-JA TYCOON 812	USA 62948976			C
KAY-BEN O MAN DEEDEE-ET	USA 61491122			C
KE-HOLTZ GALLON FANNIE-ET	USA 70318188			C
KE-HOLTZ O MAN FANTASY	USA 62710239			C
KELLERCREST GALLON MARTIGRA	USA 70277758			C
KELLERCREST LEOLA CRI-ET	USA 64541758		C	
KELLERCREST M LATAVINA-ET	USA 66861549		C	
KELLERCREST O-STYLE BONITA	USA 71164374			C
KELLERCREST O-STYLE JACKY	USA 70277769			C
KELLOGG-BAY SD SUMMER-RED	USA 68633042	C		
KELSTEIN AMARA	NLD 428004064	C		
KEMA CLARK CARLY	USA 70239877		C	
KEMA OMAN SAREE	USA 66768597			C
KENMORE DAZZLE RAE-RED-ET	USA 141028378		C	
KENMORE JEEVES TRIXIE-ET	USA 140775389			C
KENMORE JUSTICE BARNEY	USA 135900819			C
KENMORE LAWNBOY TIARA-RED	USA 139285051			C
KENMORE MITEY TRIX P-RED-ET	USA 141237420			C
KENMORE SUPER TAMARA	USA 140987500			C
KERNDT GRUMPY THRONE TAP-ET	USA 207497458	C		
KERNDT QUINN MAN QUEST-ET	USA 207128958	C		
KERNDTWAY MORTY HOLLY-ET	USA 134222097	C		
KEVREL BOLTON JANICE	USA 63022699	C		
KEVREL COLBY MIA	USA 64597489		C	
KEVREL COLBY MISSY	USA 64597497		C	
KEVREL JANCE CUPID-ET	USA 66977319		C	

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Name	Registration	HH1	HH2	HH3
KEVREL JANCE MAGGIE-ET	USA 66977320		C	
KEVREL JANCE MISSY	USA 66977324		C	
KEVREL JET STREAM BEE	USA 63022677	C		
KEVREL JET STREAM GIN	USA 64597456	C		
KEVREL JET STREAM MIA	USA 64597462	C		
KEVREL MAN-O-MAN 1525	USA 69753093		C	
KEVREL MANOMAN MIA J	USA 69753095	C		
KEVREL MILLION MAY-ET	USA 69753096		C	
KEVREL MILLION MIA-ET	USA 69753087		C	
KEVREL OMAN MIA	USA 63022659	C		
KEVREL SHOTTLE MAY-ET	USA 63022682	C		
KFH OSTYLE CHRISTMAS-ET	USA 70641987			C
KING-LANE BRCO PF PAIGE-ET	USA 69482417			C
KING-LANE BRNCO PF PETRA-ET	USA 69482418			C
KING-LANE BRNCO PF PIXIA-ET	USA 69482419			C
KING-LANE BRONCO PF POSH-ET	USA 69482420			C
KING-LANE MARION PRINCES-ET	USA 62051239	C		
KING-LANE MILLION PENNY-ET	USA 65631846		C	
KING-LANE P-K M 4893-ET	USA 66260832		C	
KING-LANE ROSS PURSUIT-ET	USA 71036424			C
KINGDOMHAVEN DUSTER FAWN	USA 17336615			C
KINGDOMHAVEN OUTSD BINGO-ET	USA 61553865		C	
KINGEMERLING DMSCS FANCY-ET	USA 66677443		C	
KINGS-RANSOM BEAC RISKY-ET	USA 69840388			C
KINGS-RANSOM CHAIR DELENA	USA 69840231			C
KINGS-RANSOM COLB ELLANA-ET	USA 65828079		C	
KINGS-RANSOM COLT P TRIDENT	USA 71140415			C
KINGS-RANSOM CUSTOM ELOUISE	USA 69840152	C		
KINGS-RANSOM DIDDLE-ET	USA 62896540	C		
KINGS-RANSOM DV RAINDROP-ET	USA 69840366			C
KINGS-RANSOM DV RECKLESS-ET	USA 69840372			C
KINGS-RANSOM GER FRANCIE-ET	USA 69840194		C	
KINGS-RANSOM IOTA RIPPLE-ET	USA 69840305			C
KINGS-RANSOM LEIF DUST	USA 66829231	C		
KINGS-RANSOM LES FLOWERS-ET	USA 69839998		C	
KINGS-RANSOM LES FROTHY-ET	USA 69840190		C	
KINGS-RANSOM MANGO RANGO	USA 63477147			C
KINGS-RANSOM MILL DISH	USA 68811614			C
KINGS-RANSOM MILL RELY-ET	USA 68811633			C
KINGS-RANSOM O-STYLE LIXEN	USA 71140373			C
KINGS-RANSOM OMAN ERIN-ET	USA 61624365			C
KINGS-RANSOM OMN DAYZELL-ET	USA 61624389			C
KINGS-RANSOM OSTL LISTERINE	USA 71140362			C
KINGS-RANSOM OUTSIDE 3779	USA 62437869		C	
KINGS-RANSOM PALER FIFI-ET	USA 71140386	C		

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Name	Registration	HH1	HH2	HH3
KINGS-RANSOM PE FRACTION-ET	USA 71140395		C	
KINGS-RANSOM PEO FASHION-ET	USA 71140393		C	
KINGS-RANSOM PEO FUSION-ET	USA 71140394		C	
KINGS-RANSOM ROS FEATHER-ET	USA 69840389		C	
KINGS-RANSOM ROS FLITTER-ET	USA 69840013		C	
KINGS-RANSOM ROSS FLIRT-ET	USA 69840399		C	
KINGS-RANSOM ROSS FLUFFY-ET	USA 69840022		C	
KINGS-RANSOM ROSS GRACIE	USA 69840222			C
KINGS-RANSOM SHAMR REMIX-ET	USA 71140384			C
KINGS-RANSOM SHOT FIDDLE-ET	USA 63813346		C	
KINGS-RANSOM SUP FORWARD-ET	USA 69407644		C	
KINGSMILL MAC TRACI-ET	USA 64105282			C
KINGSMILLDCF DMN COLETTE-ET	USA 70137198	C		
KINGSTEAD O-MAN MARY KAY-ET	USA 139047011			C
KINYON GOLDWYN BENJI	USA 61916382		C	
KLASSIC SHAMROCK CARMEL-ET	USA 69831991		C	
KLASSIC SHAMROCK CARMEN-ET	USA 69831990		C	
KLEINSVIEW EMORY CORA	USA 15954276			C
KLEINSVIEW ORION CHARM-ET	USA 132223636			C
KOEBELE BOLIVER LORI CRI-ET	USA 64541718			C
KOENEN MILLION 4627-ET	USA 68984307		C	
KOEPKE MORTY SHANA	USA 61950253	C		
KOEPKE O MAN DELILAH	USA 64988489			C
KOEPKE O MAN EBONY	USA 62661782	C		C
KOEPKE O MAN SYBIL	USA 62285141			C
KOEPKE O MAN VIOLET	USA 62285223			C
KOEPON BAX QUALSIASI	NLD 523967817			C
KOEPON COL REGENIA 37	NLD 524867727		C	
KOEPON COL REGENIA 38	NLD 524467743		C	
KOEPON FORT JAYLINE 2	NLD 493365688	C		
KOEPON FORT REGENIA 13	NLD 493265674	C		
KOEPON FORTUNE INDRA 1	NLD 493465483	C		
KOEPON FORTUNE INDRA 2	NLD 494365773	C		
KOEPON MILLN CLASSY 54	NLD 539270822		C	
KOEPON O-MAN SONG 2	NLD 438358337			C
KOEPON SAM DENISE 3	NLD 441659096	C		
KOEPON SHOTTLE GENUA 1	NLD 447860067	C		
KON-YAT SDUST ANGE ANGEL-ET	USA 131306408	C		C
KRULL BAXTER ELUSIVE-ET	USA 63813838	C		
KRULL EATIN COLBY CHEESE	USA 65793987	C	C	
KRULL SHOT ENOUGH-ET	USA 62702440	C		
KRULL SHOTTLE ENGLISS-ET	USA 62702442	C		
KULP-DALE DUST PEG-RED-ET	USA 69374154	C		
KY-BLUE GW DANA-ET	USA 139457788		C	
KY-BLUE SANCHEZ DEIDRA-ET	USA 140890976		C	

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Name	Registration	HH1	HH2	HH3
L-L-M-DAIRY FORMATN DAME-ET	USA 17374552	C		
L-L-M-DAIRY FORMATN DICE-ET	USA 17337938	C		
L-L-M-DAIRY PERSIS CRI-ET	USA 62769124	C		
L-L-M-DAIRY SNOMAN PENNY-ET	USA 70202418			C
L-RAE TOYSTORY FONDUE	USA 138152046		C	
LA PRESENTATION CLAVETTE-ET	CAN 101431932	C		
LA SORGENTE ROYAL ESTASI-ET	ITA 19990676484		C	
LACLAR OMAN ANOLA-ET	USA 135930548			C
LADY CLAY-HILL SHT MILKY-ET	USA 140273962			C
LADY-ALICIA MILON ABBA-ET	USA 140605260		C	
LADY-ALICIA MILON ADINA-ET	USA 140605233		C	
LADY-ALICIA MILON AUBRIE-ET	USA 140605251		C	
LADYS-MANOR ANTHEA-ET	USA 60209904	C		
LADYS-MANOR AUD SHAWNAY-ET	USA 65756784	C		
LADYS-MANOR AUD SHAWNTAY-ET	USA 65756779	C		
LADYS-MANOR AUD TRISTA-ET	USA 65756722	C		
LADYS-MANOR AUDEN ODA-ET	USA 65756726	C		
LADYS-MANOR AUDN D TINA-ET	USA 65756721	C		
LADYS-MANOR AX SNOSHAUNA-ET	USA 70875719			C
LADYS-MANOR BOOKEM PALLY-TW	USA 70189442		C	
LADYS-MANOR BOOKM POLLY-TW	USA 70189441		C	
LADYS-MANOR COLBY BABY-ET	USA 65756703		C	
LADYS-MANOR DORCY ODA	USA 69547657	C		
LADYS-MANOR G KINSEY-ET	USA 70875746			C
LADYS-MANOR G KINSLEY-ET	USA 70875751			C
LADYS-MANOR G KISSEY-ET	USA 70875743			C
LADYS-MANOR IOTA TAYA-ET	USA 70189468	C		
LADYS-MANOR MAC O RONI	USA 66676266		C	
LADYS-MANOR RD SHARLEEN-ET	USA 70875729			C
LADYS-MANOR RD SNOWSONG-ET	USA 70189474			C
LADYS-MANOR ROB SHARELLE-ET	USA 70875735	C		
LADYS-MANOR TRUDIE CRI-ET	USA 66321067		C	
LAKEVUE ARTIE JIGGLES-RED	USA 69106434		C	
LAKEVUE SPEARMINT HADLEY-ET	USA 65361991		C	
LAKEVUE SPEARMINT HARLEY-ET	USA 65361987		C	
LANGS-TWIN-B ABIGAIL-ET	USA 66879955			C
LANGS-TWIN-B BRENDA	USA 64009110		C	
LANGS-TWIN-B CONNIE-ET	USA 70662751			C
LANGS-TWIN-B COSMO-ET	USA 70662749			C
LANGS-TWIN-B CRISTY-ET	USA 61741710	C		
LANGS-TWIN-B DOBERMAN 4854	USA 70662767			C
LANGS-TWIN-B FANTASIA-ET	USA 66879925			C
LANGS-TWIN-B JESSICA-ET	USA 64009171			C
LANGS-TWIN-B MILL ATHENA-ET	USA 66879807		C	
LANGS-TWIN-B MS CHERISH-ET	USA 66879922			C

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Name	Registration	HH1	HH2	HH3
LANGS-TWIN-B MS JENNY-ET	USA 66879918			C
LANGS-TWIN-B O-MAN MARIA-ET	USA 61741661			C
LANGS-TWIN-B O-STYLE 4870	USA 70662783			C
LANGS-TWIN-B OBSRVR 5560-ET	USA 70119261			C
LANGS-TWIN-B ROBST C5660-ET	USA 70119361			C
LANGS-TWIN-B SNOW 4860-ET	USA 70662773			C
LANGS-TWIN-B SNOW 4868-ET	USA 70662781			C
LARCREST CAMDI-ET	USA 57187367			C
LARCREST CHANDRA-ET	USA 52475235			C
LARCREST CHRISTEN-ET	USA 53452473		C	
LARCREST CLARINET-ET	USA 57187378			C
LARCREST DURHAM KELLY	USA 51449540			C
LARS-ACRES CROWN GOLDIE	USA 70793153			C
LARS-ACRES CROWN SHARLEEN	USA 70793130			C
LARS-ACRES FEL FESTIVAL-ET	USA 69603913		C	
LARS-ACRES FELC FANCIFUL-ET	USA 64446063		C	
LARS-ACRES FELC FANTASIA-ET	USA 68597715		C	
LARS-ACRES FELIC FASHION-ET	USA 68597612		C	
LARS-ACRES FELIC FORTUNE-ET	USA 65503988		C	
LARS-ACRES FELIC FORWARD-ET	USA 63092809		C	
LARS-ACRES FELICE FIESTA-ET	USA 65503832		C	
LARS-ACRES FELICE FINEST-ET	USA 64446219		C	
LARS-ACRES FELICE FLAVOR-ET	USA 65503818		C	
LARS-ACRES FELICE FORGET-ET	USA 65504016		C	
LARS-ACRES FELICES FROST-ET	USA 69603670		C	
LARS-ACRES SHAMROCK GLOW	USA 70793125		C	
LARS-ACRES SHAMROCK TINKER	USA 70793101		C	
LATUCH O-STYLE LACY-ET	USA 70819416			C
LAZY-ACRES JIVES 2005	USA 71236586	C		
LAZY-ACRES OBSERVER 2008	USA 71236589			C
LE-O-LA KRUSADER GOLDIE	USA 69737298	C		
LEADERWIN ATWOOD MARIA-ET	USA 141317144	C		
LEADERWIN DOMAIN MARVEL-ET	USA 140949700	C		
LEADERWIN IOTA MONDAY-ET	USA 141496111	C		
LEADERWIN O-STYLE MAYME-ET	USA 141718020			C
LEADERWIN O-STYLE MICKY-ET	USA 141619479	C		C
LEADERWIN OBSRVR MEMORY-ET	USA 141100683	C		
LEADERWIN SNCHZ MARIGOLD-ET	USA 140541591	C		
LEADERWIN SNOMAN MYSTERY-ET	USA 141365044	C		
LEADERWIN SNOW MELT-AWAY-ET	USA 141368980			C
LEGEND DAIRY GRATE 11328	USA 62854235		C	
LEGEND DAIRY GRATE 14478	USA 69598046		C	
LEGEND DAIRY ROCKY 13508-ET	USA 68791975		C	
LEGEND DAIRY ROXY 13514	USA 68791981		C	
LEHOUX SHOTTLE MAMY-ET	CAN 103091604	C		

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Name	Registration	HH1	HH2	HH3
LESPERRON COUSTEAU LIAURA	CAN 9108194	C		
LESPERRON STORMATIC LAUR-ET	CAN 101678054	C		
LEVASH BOLTON SNOW	USA 138899491		C	
LEXVOLD BRAXTON HOLLY	USA 56337203	C		
LIAN EIG J BLONK	NLD 495826271	C		
LIBRAE MANFRED SATIN-ET	USA 128221846	C		
LINCOLN-HILL NEENAH CRI-ET	USA 62769104	C		
LINCOLN-HILL PRESILLA-ET	USA 70086126		C	
LINDA-TERRA SUPER 8397	USA 70320130	C		
LINDALE FOREVER GOLD-ET	USA 65944617			C
LINERWAY ASHCK LYNETTE 9792	USA 68890366	C		
LINERWAY GERARD LOIS	USA 69290732	C		
LINERWAY L BOY SWAN-RED-ET	USA 65004339	C		
LINERWAY PEMBROK SOX-RED-ET	USA 69290754	C		C
LINERWAY PLANET LAYLA	USA 65007178	C		
LINERWAY PLANET LIZZIE	USA 65007211		C	
LINHOLM MAC DODO	USA 66130557	C		
LIPPLY OUTSIDE SHELBY	USA 139852435		C	
LIRR SHOTTLE DREW AHCHOU-ET	USA 66507004			C
LISMORE BOLTON MANDY-ET	USA 65529411			C
LISMORE BOLTON MISSY-ET	USA 65529410			C
LJP BRO LUSTY	USA 69960753			C
LONE-OAK-ACRES ARMITAG ADDY	USA 70832199		C	
LONE-OAK-ACRES BRONCO REMY	USA 66185155			C
LONE-OAK-ACRES CL EZMERELDA	USA 70832196		C	
LONE-OAK-ACRES P MONTANA-ET	USA 66185143			C
LONG-HAVEN SHOTTLE RHYAN-ET	USA 139894510	C		
LONG-LANGS MARCIS MISS-ET	USA 61732770	C		
LONG-LANGS MODEST LADY-ET	USA 137154812	C		
LOOKOUT GOLDWYN LAURIE-ET	CAN 104324602	C	C	
LORITA ATWOOD BESTIE	USA 70708423	C		
LORITA ATWOOD EMPRESS	USA 71253506	C		
LORITA ATWOOD LEA	USA 70708388	C		
LORITA BOXER MARGUERITE-ET	USA 69673761	C		
LORITA TIME MARTHA MAE-ET	USA 69112608	C		
LUDWIGS-DG SHTL PRINCESS-ET	USA 139964732	C		
LUNCREST BKEYE MARGE CRI-ET	USA 63285416	C		
LUNCREST OTSD MAC-927-ET	USA 61027363	C	C	
LUNCREST SNCHZ BDACOUS-1403	USA 70715487		C	
LYLEHAVEN SABRINA	USA 125607498	C		
LYSTEL TITANIC LOVELY THREE-ET	CAN 102680609		C	
M-PONDHILL TRIBUTE ADAIR	USA 65873831		C	
M-S-P OMANS RAVE	USA 138439989			C
MANLEYS REGIMENT SERENITY	USA 136678371	C		
MAPEL WOOD LEE DIAMONDS	CAN 8088885	C		

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
MAPLEHURST JOCK 2554	USA 70419080			C
MAPLEHURST TRES 1780	USA 71502586			C
MAPLETURN SPEARMINT 496	USA 71215684		C	
MAPLETURN SPEARMINT 497	USA 71215685		C	
MAR-BIL BOSSIRON GEORGIE-ET	USA 61902325			C
MAR-BIL GOLDWYN GEORGIE-ET	USA 65897455	C		
MAR-RIVER MARSH OHANNA	USA 63260126	C		
MAR-RIVER OMAN WINN	USA 63260153			C
MARA-TONE OUTSIDE LUCKY-ET	USA 61938981		C	
MARKLAND ATLIC POPSHOT-ET	USA 141392819	C		
MARKLAND ATLIC POPSTAR-ET	USA 141392798	C		
MARKLAND ATLIC POPTART-ET	USA 141392789	C		
MARKLAND OMAN REBA-ET	USA 135635612			C
MARKWELL BOGART MARINA-ET	USA 66860725			C
MARKWELL BOGART MEESHA-ET	USA 66860721	C		
MARKWELL BOGART MELORA-ET	USA 66860722			C
MARKWELL COLBY CRYSTAL	USA 65724165		C	
MARKWELL CROWN DARLING-ET	USA 70976920			C
MARKWELL DURHAM FELICE	USA 132824873		C	
MARKWELL EXPLODE FASHION	USA 70581137		C	
MARKWELL GOLDWYN MACY-ET	USA 137494648		C	
MARKWELL GOLDWYN MEDINA-ET	USA 137494666	C		
MARKWELL MILLION CANDIE-ET	USA 66860696		C	
MARKWELL MILLION COLETTE-ET	USA 66860695		C	
MARKWELL MILLION NORMA-ET	USA 66860706		C	
MARKWELL MILLION OCTAVIA-ET	USA 65724052		C	
MARKWELL MILLION OLETTA-ET	USA 65724057		C	
MARKWELL MILLION OREA-ET	USA 65724054		C	
MARKWELL OUTSIDE FREEDOM	USA 137494022		C	
MARKWELL SNOWMAN DELORA-ET	USA 70581115			C
MARKWELL SNOWMAN DONNA-ET	USA 70581114			C
MARKWELL SNOWMAN DORIAN-ET	USA 70581116			C
MARTANNA BRET DAWN	USA 138097545	C		
MARTANNA BRONCO PALIMINO	USA 70135146			C
MARTANNA COLBY BASH-ET	USA 66637247		C	
MARTANNA COLBY BETH-ET	USA 66637267		C	
MARTANNA COLBY TOK	USA 70135129	C		
MARTANNA MAC CONTISA	USA 139597392			C
MARTANNA O MAN BITS	USA 139240562			C
MARTANNA O MAN CASANDRA	USA 138099604			C
MARTANNA O MAN CLAUZ	USA 138099529			C
MARTANNA O MAN DASHA	USA 138098005			C
MARTANNA O MAN MADDY	USA 139399873			C
MARTANNA RAMOS CASSY	USA 139598012			C
MARTANNA SPEARMINT DINGY	USA 69500501		C	

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Name	Registration	HH1	HH2	HH3
MARTANNA ZENITH TOCAN	USA 66779520	C		
MARTIN-RIDGE PLNT GRETA-ET	USA 65517069		C	
MARTINHOLM MASCOT SIBBY	USA 15010496	C		
MARYLINE FORM SHELBY-ET	USA 123936707	C		
MARYLINE FORM SHORTY-ET	USA 123936743	C		
MATCREST BOGART FORD-ET	USA 69198316			C
MATCREST BOGART PEONY-ET	USA 69198317			C
MATCREST CHAIR CANARY-ET	USA 70876855			C
MATCREST CHAIR CLEVELAND-ET	USA 70876852			C
MATCREST HAYDEN LEMON-ET	USA 140302103			C
MATCREST MILLION LESLIE-ET	USA 140193266		C	
MATCREST OSTYLE CAILY-ET	USA 70876840			C
MATCREST OSTYLE CATE-ET	USA 70876834			C
MATT-DARI CLARK DAPHNE	USA 68958506		C	
MATT-DARI DIEDRE CRI-ET	USA 64541729		C	
MATT-DARI MAN-O-MAN HAZEL	USA 68958525	C		
MATT-DARI SUPER DUET	USA 68958537		C	
MAYERS FINLEY VICTORIA-ET	USA 135570045	C		
MAYPAR OUTSIDE LEMON-ET	USA 134395614		C	
MCNALLAN BANNING 4788	840003009319149			C
MCNALLAN CLARK 4749	840003009319110		C	
MCNALLAN DECATUR 4793	840003009319154		C	
MCNALLAN EDEN 4717	840003009319078			C
MCNALLAN EDEN 4737	840003009319098			C
MCNALLAN MATRIX 4739	840003009319100			C
MCNALLAN PROPER 4743	840003009319104			C
MD-CEDAR-KNOLL O-MAN PAT	USA 136330800			C
MD-HARMONY LARSON V1-RED-ET	USA 70295452		C	
MD-HARMONY LARSON V6-ET	USA 70295472		C	
MD-MAPLE-DELL ENCORE KAMA	USA 130120142			C
MD-MAPLE-LAWN SNOW KARLI-ET	USA 69892626			C
MEADO-BROOK BRONCO 4667	USA 69763033			C
MEADO-BROOK BRONCO 4768	USA 69763134			C
MEADO-BROOK DAMASCUS 4811	USA 69763177		C	
MEADO-BROOK DAMASCUS4707-ET	USA 69763073		C	
MEADO-BROOK DMASCUS 4712-ET	USA 69763078		C	
MEADO-BROOK NIAGRA 4679-ET	USA 69763045			C
MEADO-BROOK O MAN 4421	USA 66944113			C
MEADO-BROOK O-MAN 3487	USA 62253739			C
MEADO-BROOK PLANET 4673	USA 69763039			C
MEADO-BROOK TIME 4714	USA 69763080	C		
MEADOW-WOOD FAIR 3989	USA 70471499	C		
MEIER-MEADOWS DA MYRISSA-ET	USA 55969553		C	
MEIER-MEADOWS EL JEZEBEL-ET	USA 15459080			C
MELARRY MILLION MALIA-ET	USA 69212268		C	

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Name	Registration	HH1	HH2	HH3
MELARRY O-STYLE MELARRY-ET	USA 58504257		C	C
MER-WOL BRONCO SHELBY-ET	USA 70609020			C
MERGOLD MB MARY-RED-ET	USA 65671549		C	
MI-SHA DUNDEE DOLLY-ET	USA 140296277	C		
MI-SHA LUCKY LOU	USA 139477830		C	
MICHIGAN BK JESSICA 4773-ET	USA 141548377			C
MICHIGAN BRC SQUIRT 4621-ET	USA 140265163			C
MICHIGAN BRNC LINDA 4622-ET	USA 140265202			C
MICHIGAN CND BROKEN 4724-ET	USA 141204305			C
MICHIGAN OMAN LEER 4250	USA 135901780			C
MICHIGAN TMSTR ASHANTI 4156	USA 135378232			C
MICISHACH 1906	USA 140268698		C	
MICISHACH 1932-ET	USA 140329841		C	
MICISHACH LYNCH 951	USA 139451157			C
MIDAS-TOUCH CHRY PIE-RED-ET	USA 68768859	C		
MIDAS-TOUCH SD CORA-RED-ET	USA 69958382	C		
MIDD-ACRES JUSTICE AL AMITY	USA 52463936			C
MIDD-ROSE SHOTTLE MARIA-ET	USA 68545797			C
MIDD-ROSE SHOTTLE MITZY-ET	USA 69673639			C
MILIBRO WINDSTAR ROSELYNE-ET	CAN 10738719		C	
MILKSOURCE ALEXNDR BASIL-ET	USA 69082633		C	
MILKSOURCE M-O-M BAILEY-ET	USA 69082650		C	
MILLBRED TOYSTORY QUSKAY-ET	ITA 34990359925			C
MINNIGAN-HILLS ST CANDLE-ET	USA 62877397	C		
MISS ASTRO PAULA2-ET	USA 61038825		C	
MISS BURNS BLOSSOM-ET	USA 65487103		C	
MISS HOT CAKES-RED-ET	USA 70676079		C	
MISS HOT COMMODITY-ET	USA 70676081		C	
MISS HOT GOSSIP-RED-ET	USA 70676080		C	
MISS HOT SHOT-ET	USA 70676077		C	
MISS MARK MAUI	USA 14763520	C		
MISS MD J&K SPRMNT TAFFY-ET	USA 69035630		C	
MISS MD J&K SPRMNT TWIST-ET	USA 69035632		C	
MISS MIRACLE MINT-ET	USA 129058634	C		
MISS OCD KRAMER DEVOTION-ET	840003008316045			C
MISS OMAN MORGAN-ET	USA 137354771			C
MISS SHOTTLE DALMATION	USA 139383227	C		
MISS SULLY RAMOS DEBRA	USA 139600216			C
MISS SULLY SHOT DAYLITE-ET	USA 139600207			C
MISS THRONE DIXIE-ET	USA 135695221	C		
MISS THRONE LOTTERY	USA 136102586	C		
MISS WILLOLEA BREEZE-ET	USA 141137074		C	
MISS-SPRINGWALK A BATTLE	USA 62520023	C		
MISSION-BELL DIXIE GOLD-ET	USA 138737724			C
MO-VAL AL ELENA	USA 69827614	C		

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Name	Registration	HH1	HH2	HH3
MOLLANGES BEST SUZIQUE-ET	CHE120046758320	C		
MONANFRAN PLANET GILLIAN	USA 66538017	C		
MONTHURST FORMATION SILVIE	USA 121916565	C		
MONUMENT ARBOR BROOKE	USA 70098616		C	
MOOKOWN-M AEROSTAR SAL	USA 15060797			C
MORNINGVIEW ALEXNDR LIZA-ET	USA 68654535			C
MORNINGVIEW AUDEN ANETTE-ET	USA 65274494	C		
MORNINGVIEW AUDEN AUDREY-ET	USA 65274495	C		
MORNINGVIEW BAXTER MAE-ET	USA 65274393	C		
MORNINGVIEW BAXTER MICK-ET	USA 65274395	C		
MORNINGVIEW BOLTON ANGIE	USA 63927958			C
MORNINGVIEW BOOKEM LILAC	USA 69791663			C
MORNINGVIEW CALLIE-RED-ET	USA 69791671	C		
MORNINGVIEW CASSANO LADY-ET	USA 68654485			C
MORNINGVIEW DESTRY LOGAN-ET	USA 69791849			C
MORNINGVIEW DOMAIN LUCKY-ET	USA 69791799			C
MORNINGVIEW GLDWN MOJO	USA 137289956	C		
MORNINGVIEW GLDWYN LAKE-ET	USA 68654467			C
MORNINGVIEW JEEVES FRISKY	USA 65274391	C		
MORNINGVIEW JEEVES LIZA	USA 68654542			C
MORNINGVIEW M ALISON-ET	USA 68654487		C	
MORNINGVIEW M MIRACLE-ET	USA 68654513		C	
MORNINGVIEW MAC AMORY	USA 65274414	C		
MORNINGVIEW MASCOL MINI-ET	USA 63927897	C		
MORNINGVIEW MILION ALEXI-ET	USA 65274342		C	
MORNINGVIEW MILION LIBBY-ET	USA 65274362		C	C
MORNINGVIEW MILLION ALLY-ET	USA 68654533		C	
MORNINGVIEW MILLION LIB-ET	USA 65274363		C	
MORNINGVIEW MILLION LIBS-ET	USA 65274371		C	
MORNINGVIEW MLLN MOPPY-ET	USA 68654525		C	
MORNINGVIEW MR BRNS BETH-ET	USA 65274475		C	
MORNINGVIEW SHTL LUCY-ET	USA 63927911			C
MORNINGVIEW TOYSTY HONOR	USA 63927815		C	
MORNINGVIEW TRMNTR AVITA	USA 68654527		C	
MORNINGVIEW ZENITH ANGIE-ET	USA 63927878			C
MORNINGVIEW ZENITH ANGLE-ET	USA 63927877			C
MORNINGVIEW ZENITH LOLO-ET	USA 63927939			C
MORSAN MILLIONAIRE LYUBA-ET	CAN 10935688		C	
MOUNTFIELD ANASTASIA CRI-ET	USA 62769137	C		
MOUNTFIELD MAR ASPER CRI-ET	USA 62769147	C		
MOUNTFIELD MILL MILES-ET	USA 66940598		C	
MS ADVENT MARG I-ET	USA 66893934			C
MS AIR-OSA BRNC ALISHA14318	USA 69554997			C
MS ANDIS SNOW ABBY-ET	USA 70041698			C
MS ANDIS SNOW AVON-ET	USA 70041696			C

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Name	Registration	HH1	HH2	HH3
MS ARIELS SNOWANGEL-ET	USA 70477021			C
MS ATLEES AVERY AVONLEA-ET	USA 70974074			C
MS AVERILL ATWD CHRISTIN-ET	USA 69296960	C		
MS AVERILL MILLION 1833	USA 68535237	C		
MS BADGER MI 2973PAT4375-ET	USA 68743209			C
MS BAYLESS OUTSIDE ALLIE-ET	USA 61794254		C	
MS BAYLESS OUTSIDE FLOWER	USA 60932958			C
MS BREMER ROSS BOBBIE-ET	USA 69881869			C
MS BREMER ROSS BOOTZ-ET	USA 69881862			C
MS BREMER ROSS BOSSY-ET	USA 69881865			C
MS BREMER S-STORM BREEZ-ET	USA 69881894		C	
MS C-HAVEN BLTN LOUISE-ET	USA 64626104	C		
MS C-HAVEN BOLTON LOVELY-ET	USA 64626105	C		
MS CEDAR-HAVEN BLTN LEGACY	USA 64626112	C		
MS CHASSITY SNOW CARRIE-ET	USA 70477013			C
MS CHASSITY SNOWMAN CLEA-ET	USA 70477017			C
MS CRESCNMEAD BOWSER REASON	USA 141277950	C		
MS DANAS AVERY DARCY-ET	USA 71152305		C	C
MS ELECTRESS ELLE-ET	USA 63855267			C
MS ERAGON-ET	USA 139416079	C		C
MS EXHILERATE-ET	USA 139264551	C		
MS GA-IL ALEXANDR OLANIA-ET	USA 68832675	C		
MS GM BURNS BEULAH-ET	USA 65395074		C	
MS GOLDEN M SABINE-ET	USA 68565155		C	
MS GUIDED-PATH SPRMINT 1541	USA 68676285		C	
MS HORSTYLE O-STYLE CHERRY	840003009557451			C
MS JAUQUET DENALI POLLI	USA 69809745		C	
MS KAY721 MILLION KRISTA-ET	USA 66985549		C	
MS KINGSMILL PLANET EDEN-ET	USA 66605615	C		
MS LADYS-MANOR O MARY	USA 61801806			C
MS LOOKOUT PSC COBRABRYN-ET	USA 71302821			C
MS M BRIAS MARCY-ET	USA 71016162		C	
MS M BRIAS MILLIE-ET	USA 71016161		C	
MS M-P BOGART PEGGY-TW	USA 69258160			C
MS M-P MASTER 4661-ET	USA 71127271		C	
MS M-P NORSKI LAKOTA-ET	USA 65873708	C		
MS M-P O-STYLE 4656 PAW	USA 71127266			C
MS M-P PEMBROKE MARAH-ET	USA 69258116			C
MS MAPLESLP OSTYL M13338-ET	USA 70609212			C
MS MARSH ROSE	USA 137666384	C		
MS MOVIESTAR SHAKER-ET	USA 70477025			C
MS O B BAXTER DELILAH-ET	USA 139637120			C
MS O B BAXTER DELLIA-ET	USA 139637111			C
MS O B BOLIVER CARLA-ET	USA 139619191			C
MS PINE-TREE MANDY CRI-ET	USA 66321077	C		

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Name	Registration	HH1	HH2	HH3
MS REGANCREST G CHERITY-ET	USA 66625029	C		
MS REGANCREST GRD CLARA-ET	USA 70242560	C		
MS REGANCREST L CHERRY-ET	USA 70242823	C		
MS REGANCREST L CHINA-ET	USA 70242826	C		
MS REGANCREST M ARRICA-ET	USA 66625035		C	
MS REGANCREST M ARRIEL-ET	USA 66625046		C	
MS REGANCREST M TAMICA-ET	USA 66625048		C	
MS REGANCREST O CHERI-ET	USA 70242788			C
MS RJR MILLION 2202	USA 68966477		C	
MS SAVAGE-LEIGH TAMMY-ET	USA 61604346			C
MS SCHULTZ ROSS B12403-ET	USA 69517739			C
MS SSI AVERY AZALEA 7477-ET	840003008328875			C
MS SSI BKM TAYA 7475-ET	840003008328873		C	
MS SSI BKM TAYA 7478-ET	840003008328876		C	
MS SSI BRONCO SASSY 7412-ET	840003008328810			C
MS SSI IOTA CLASSY 7602-ET	840003008897615		C	
MS SSI MILL SHEEN-ET	840003006972783		C	
MS SSI SNOWMAN CINDY7587-ET	840003008897600			C
MS SULLY OMAN MUETZE-ET	USA 137317589			C
MS SYNERGY SEBASTIAN ENVY	USA 69735745		C	
MS TIGER-LILY DISON 4399-ET	USA 62866312	C		
MS TIGER-LILY S FANA-RED-ET	USA 69862978		C	
MS TIGERLILY COLBY GILLY-ET	USA 65658113		C	
MS VAZDALE MORTY B TWINE-ET	USA 70488224	C		
MS VISION-GEN BURT CAILY	USA 62851429	C		
MS VISIONGEN BRCO R12664-ET	USA 69518000			C
MS VISIONGEN BRCO R12665-ET	USA 69518001			C
MS VISIONGEN BRCO R12667-ET	USA 69518003			C
MS VISIONGEN ROSS R12529-ET	USA 69517865			C
MS VISN-GN GLDWN CARRISA-ET	USA 138460459	C		
MS WELCOME BAXTER CAMEN-ET	840003004008059	C		
MS WELCOME BOOKEM TAMMER-ET	840003009276074		C	
MS WELCOME COLBY TABATHA-ET	840003005613330		C	
MS WELCOME COLBY TANISHA-ET	840003004769400		C	
MS WELCOME COLBY TAYA-ET	840003002918882		C	
MS WELCOME HILL TABBI-ET	840003007677875		C	
MS WELCOME HILL TOBI-ET	840003007677873		C	
MS WELCOME IOTA TAMARA-ET	840003007677790		C	
MS WELCOME MANOMAN CASE	840003007076715	C		
MS WELCOME MILL CRISTA-ET	840003006227692		C	
MS WELCOME MILLION WANDA-ET	840003005613368		C	
MS WELCOME NIAGRA WINONE-ET	840003007677751			C
MS WELCOME NIFTY ANAKA-ET	840003002918833		C	
MS WELCOME OFFROAD CAILA	USA 62851432		C	
MS WELCOME PAL TANISHA-ET	840003007677823	C	C	

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Name	Registration	HH1	HH2	HH3
MS WELCOME PAL TONYA-ET	840003007677829	C	C	
MS WELCOME PALERMO TANIA-ET	840003007677816	C		
MS WELCOME PING CATALINA-ET	840003006227732	C		
MS WELCOME PLANET AMAZE	840003004769368		C	
MS WELCOME SUPER TRISHA-ET	840003007076570		C	
MS WESTHOPE GOLDWYN INKY-ET	USA 68698211	C		
MS WILLOLEA BABE-ET	USA 135348389			C
MS WOODCREST ADV MEGAN-ET	USA 66893924			C
MSBADGER SPRTCS PAT 4025-ET	USA 66667194			C
MSRCKLDGE ELPARK RC-RED-ET	USA 65751231		C	
MSRCKLDGE ELPARK RINGER-ET	USA 65751229		C	
MSVISIONGEN MAC CHRSTINA-ET	840003001667147	C		
MURANDA AUDEN LILLY-ET	USA 65783704	C		
MURANDA BRETT LILA CRI-ET	USA 60475804	C		
MURANDA COLT-P DIOR-RED	USA 71004770	C		
MURANDA S-MINT LOLO-ET	USA 68662940		C	
MURANDA SPEARMINT LULU-ET	USA 68662931		C	
MURMS BRONCO 3006	USA 70933367			C
MURMS BRONCO 3022	USA 70933383			C
MURMS LANDLORD 2079-TW	USA 61068508	C		
MURMS MILLION 3016	USA 70933377		C	
MURMS NIAGRA 2954	USA 70139003			C
MY-JOHN OMAN KAYLEEN CRI-ET	USA 61376456			C
MY-JOHN OMAN KENDALL CRI-ET	USA 61376434			C
MY-JOHN OMAN KIRSTEN CRI-ET	USA 61376437			C
N-SPRINGHOPE AVERY CARA-ET	USA 71118697			C
N-SPRINGHOPE DORCY 3712	USA 70083490	C		
N-SPRINGHOPE SHOT GLEE-ET	USA 66962167	C		
NA-LAR MARION KAYCEE	USA 137690400	C		
NASH-ACRES ROBUST DESIRAE	USA 68550933			C
ND MORTY LILA	USA 62660542	C		
ND OUTSIDE PAULETTE	USA 62660534		C	
NED-EL DOMAIN 6790-TW	USA 69521045			C
NED-EL HILL 7149	USA 70955446			C
NED-EL MILLION 6379	USA 66796407		C	
NED-EL O-STYLE MABEL-ET	USA 70955405			C
NED-EL O-STYLE MARRY ME-ET	USA 70955408			C
NED-EL PAUL 7180	USA 70955477			C
NED-EL R2 7173	USA 70955470	C		
NED-EL SECURE 7091	USA 69521346		C	
NED-EL-A ROSS 6996	USA 69521251			C
NET-A-WAY DRBL SANDY-RED-ET	USA 71002556		C	
NET-A-WAY MRBRN SUMATRA-RED	USA 139995985		C	
NEU-WAY BAXTER ALY-ET	USA 139559015			C
NEU-WAY JOSE ALLIE-ET	USA 139559006			C

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Name	Registration	HH1	HH2	HH3
NEWELL MILLION 1755	USA 70537796	C		
NEWELL MORTY 783-ET	USA 62987303	C		
NEWELL MORTY 784-ET	USA 62987304	C		
NEYER FORMATION 1082-ET	USA 17369255	C		
NICLO AVERY SKYE-ET	USA 70968854			C
NICLO DOBERMAN BABE-ET	USA 70097990		C	
NICLO DOBERMAN BABYCAKES-ET	USA 70097986		C	
NICLO DOBERMAN DARLYNN-ET	USA 70097988		C	
NICLO DOBERMAN SNOWBABY-ET	USA 70097991		C	
NICLO MILLION DIXIE-ET	USA 66637885		C	
NICLO MILLION DLR BABY-ET	USA 66637883		C	
NICLO MILLION LIL DEBBIE-ET	USA 66637878		C	
NO-FLA ALTACHRISTO 31172	840003008608942	C		
NO-FLA BANNING ALICIA 32008	840003009524209	C		
NO-FLA BANNING JOSIE 31773	840003008609543			C
NO-FLA BANNING KALA 31822	840003009524023	C		
NO-FLA BANNING SYDNEA 31994	840003009524195	C		
NO-FLA BOLIVER DEB 21978-ET	USA 63021915			C
NO-FLA BOOKEM BETSY 31495	840003008609265	C		
NO-FLA BOOKEM JACQUEL 32201	840003009524402		C	
NO-FLA BOOKEM KAYLII 31587	840003008609357			C
NO-FLA BOOKEM KIAH 31739	840003008609509			C
NO-FLA BOOKEM KYNDRA 31661	840003008609431			C
NO-FLA BOOKEM LAKIN 31907	840003009524108	C		
NO-FLA BOOKEM MELODY 31182	840003008608952			C
NO-FLA BOOKEM MERRITT 32015	840003009524216	C		
NO-FLA BOOKEM MYKA 30943	840003008608713	C		
NO-FLA BOOKEM TALIAH 31413	840003008609183	C		
NO-FLA CENA ANNASTASI 32272	840003009524473		C	
NO-FLA COBRA ADDISON 32177	840003009524378			C
NO-FLA COBRA AQSA 31671	840003008609441			C
NO-FLA COBRA ATHZIRI 32065	840003009524266			C
NO-FLA COBRA BREANA 31758	840003008609528			C
NO-FLA COBRA CHRISTIN 32203	840003009524404			C
NO-FLA COBRA CHRISTIN 32254	840003009524455			C
NO-FLA COBRA CYARAH 31721	840003008609491			C
NO-FLA COBRA JACHEIA 31568	840003008609338			C
NO-FLA COBRA KEYLA 32169	840003009524370			C
NO-FLA COBRA KLANISSE 31577	840003008609347			C
NO-FLA COBRA MEGAN 31708-ET	840003008609478			C
NO-FLA COBRA SIERA 31772	840003008609542			C
NO-FLA COBRA SIERA 31810	840003009524011			C
NO-FLA COBRA SULEMA 31604	840003008609374			C
NO-FLA COBRA SYDNEA 32147	840003009524348			C
NO-FLA COBRA SYDNEA 32271	840003009524472			C

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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(Blank=Tested-Free, C=Carrier)**

Name	Registration	HH1	HH2	HH3
NO-FLA COLBY 26637-ET	USA 66653045		C	
NO-FLA COLBY BABS 26618-ET	USA 66653026		C	
NO-FLA CORNELL TABRIA 30941	840003008608711		C	
NO-FLA DIE-HARD LANA 24994	USA 66086973	C		
NO-FLA DISTINCTIVE 24089	USA 65481077			C
NO-FLA DOM SYDNEA 32048	840003009524249			C
NO-FLA DOUGLAS JEAN 31639	840003008609409		C	
NO-FLA EARNIT 25821-ET	USA 66652229			C
NO-FLA ERD ATHZIRI 30933-TW	840003008608703			C
NO-FLA ERDMAN ANGEL 31809	840003009524010			C
NO-FLA ERDMAN ATHZIRI 32229	840003009524430			C
NO-FLA ERDMAN BREANA 31596	840003008609366	C		
NO-FLA ERDMAN GEELAN 31575	840003008609345			C
NO-FLA ERDMAN PAULINE 31712	840003008609482			C
NO-FLA ERDMAN SARAH 32033	840003009524234			C
NO-FLA ERDMAN ZOEY 31110	840003008608880			C
NO-FLA FORMATION 13843-ET	USA 60257201	C		
NO-FLA FREDDIE 27207-ET	840003006778114	C		
NO-FLA FREDDIE 27236-ET	840003006778143			C
NO-FLA FREDDIE 27242-ET	840003006778149			C
NO-FLA FREDDIE 27252-ET	840003006778159			C
NO-FLA FREDDIE JAY 31479-ET	840003008609249			C
NO-FLA FREDDIE JAYLEE 31312	840003008609082		C	
NO-FLA FREDDIE KIN 31430-ET	840003008609200			C
NO-FLA FREDDIE ZOE 31877-ET	840003009524078			C
NO-FLA FREDDIE ZUMA 31491	840003008609261		C	
NO-FLA GALLON KIRSTEN 32156	840003009524357	C		
NO-FLA GALLON LINDA 31957	840003009524158	C		
NO-FLA JADE ANASTASIA 31699	840003008609469			C
NO-FLA JADE MAMBALISA 31641	840003008609411	C		
NO-FLA JARVIS ALLI 31883-ET	840003009524084			C
NO-FLA JARVIS MARY 31918-ET	840003009524119			C
NO-FLA JARVIS MONTA 31767	840003008609537	C		
NO-FLA JUSTICE 19047-ET	USA 62133481			C
NO-FLA KRAMER KHAI 32196-ET	840003009524397			C
NO-FLA KRAMER REES 32105-ET	840003009524306			C
NO-FLA MAVEN BELL 24811-ET	USA 66086790		C	
NO-FLA MINOS SHAIANN 31028	840003008608798	C		
NO-FLA MORTY 11207	USA 125546674	C		
NO-FLA MTOTO DEB 17586-ET	USA 61354210			C
NO-FLA O MAN CELINE 31341	840003008609111			C
NO-FLA O MAN DANIELIES 31105	840003008608875			C
NO-FLA O MAN EBONI 31156	840003008608926			C
NO-FLA O MAN HALEY 31340	840003008609110		C	
NO-FLA O MAN JAKIVA 31358	840003008609128		C	

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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(Blank=Tested-Free, C=Carrier)**

Name	Registration	HH1	HH2	HH3
NO-FLA O MAN KHORIE 31096	840003008608866			C
NO-FLA O MAN KORTNEE 31366	840003008609136			C
NO-FLA O MAN KRISTI 30996	840003008608766			C
NO-FLA O MAN MERRITT 31719	840003008609489			C
NO-FLA O MAN SAMIAH 31132	840003008608902			C
NO-FLA O MAN TYLIAH 31302	840003008609072			C
NO-FLA O MAN VERONICA 31174	840003008608944			C
NO-FLA O-STYLE ADRIEL 32228	840003009524429			C
NO-FLA O-STYLE ALEENA 31852	840003009524053			C
NO-FLA O-STYLE CYARAH 31973	840003009524174			C
NO-FLA O-STYLE DEJAH 31175	840003008608945			C
NO-FLA O-STYLE HOLLY 31720	840003008609490			C
NO-FLA O-STYLE JANE 31650	840003008609420			C
NO-FLA O-STYLE LAURA 31503	840003008609273			C
NO-FLA O-STYLE MALLA 31829	840003009524030			C
NO-FLA O-STYLE MONTA 31514	840003008609284			C
NO-FLA O-STYLE NADINE 32267	840003009524468			C
NO-FLA O-STYLE PEACH 31953	840003009524154			C
NO-FLA O-STYLE SULEMA 31513	840003008609283			C
NO-FLA OBSERVER 29572-ET	840003007939715	C		
NO-FLA OBSERVER 29580-ET	840003007939723	C		
NO-FLA OBSERVER 29596-ET	840003007939739	C		
NO-FLA OBSERVER 29619-ET	840003007939762	C		
NO-FLA OBSERVER 29627-ET	840003007939770	C		
NO-FLA OBSERVER 29636-ET	840003007939779	C		
NO-FLA OBSERVER SAVA 31388	840003008609158			C
NO-FLA OFFROAD 24333-ET	USA 65481321		C	
NO-FLA OFFROAD 25005-ET	USA 66086984		C	
NO-FLA OFFROAD 25019-ET	USA 66086998		C	
NO-FLA OFFROAD TANYA 24481	USA 65481469		C	
NO-FLA OMAN 25611-ET	USA 66087590			C
NO-FLA OMAN HESS 23576-ET	USA 64455160			C
NO-FLA OMAN JAMILA 31214	840003008608984			C
NO-FLA OMAN LARA 20165-ET	USA 62536290	C		C
NO-FLA OMAN PAM 24165-ET	USA 65481153			C
NO-FLA OMAN TESS 23485-ET	USA 64455069			C
NO-FLA OMAN TIA 23472-ET	USA 64455056			C
NO-FLA OMAR SHAMEIRAH 31274	840003008609044			C
NO-FLA OSMOND LICIA 31964	840003009524165	C		
NO-FLA OSMOND SAMIAH 32243	840003009524444			C
NO-FLA OSMOND STACY 31486	840003008609256			C
NO-FLA OUTSIDE 20798-ET	USA 62536923		C	
NO-FLA OUTSIDE 22323-ET	USA 63502853		C	
NO-FLA OUTSIDE 25167-ET	USA 66087146		C	
NO-FLA OUTSIDE 25198-ET	USA 66087177		C	

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
NO-FLA OUTSIDE 25220-ET	USA 66087199		C	
NO-FLA OUTSIDE 25615-ET	USA 66087594		C	
NO-FLA OZFEST TESS 26774-ET	USA 66653182			C
NO-FLA PLANET 27018-ET	840003006777925			C
NO-FLA PLUTO PAULINE 31551	840003008609321			C
NO-FLA PROTEGE ADRIEL 32157	840003009524358		C	
NO-FLA PROTEGE LIANA 32030	840003009524231			C
NO-FLA RAMOS BELLE 20547	USA 62536672		C	
NO-FLA RAMOS GENA 23511-ET	USA 64455095	C		
NO-FLA RAMOS GLORY 23514-ET	USA 64455098	C		
NO-FLA REVOLUTION 23898	USA 65480886	C		
NO-FLA REVOLUTION 31367	840003008609137	C		
NO-FLA REVOLUTION BEY 31327	840003008609097	C		
NO-FLA REVOLUTION BRI 31255	840003008609025	C		
NO-FLA ROBOTIC KRIS 32118	840003009524319	C		C
NO-FLA ROBOTIC MARISA 32179	840003009524380	C		
NO-FLA ROVER ADRIEL 31988	840003009524189	C		
NO-FLA RUDOLPH 16033-ET	USA 61095885	C		
NO-FLA RUDOLPH JOY 23575-ET	USA 64455159			C
NO-FLA SEBASTIAN MONA 31211	840003008608981		C	
NO-FLA SHAC ADEBOLA 32237	840003009524438	C		
NO-FLA SHAC MICKECIA 31954	840003009524155	C		
NO-FLA SHAC RHOLONDA 31705	840003008609475	C		
NO-FLA SHAMROCK 31673-ET	840003008609443			C
NO-FLA SHERAC REESE 32069	840003009524270	C		
NO-FLA SOTO ANASTASIA 31895	840003009524096			C
NO-FLA SOTO STACY 31738	840003008609508			C
NO-FLA SUPER ANA 31236-ET	840003008609006			C
NO-FLA SUPER MIA 31241-ET	840003008609011			C
NO-FLA SUPER OPAL 31198-ET	840003008608968			C
NO-FLA TONIC XOCHILT 32187	840003009524388	C		
NO-FLA TREASURE TABRI 32050	840003009524251			C
NO-FLA TRIGGER KAY 31126	840003008608896			C
NO-FLA TRIGGER KEYLA 31152	840003008608922	C		
NO-FLA TRIGGER MARILU 31010	840003008608780			C
NO-FLA TRILLION MYCA 32220	840003009524421		C	
NO-FLA TRUMPET ATHZIR 32266	840003009524467	C		
NO-FLA TWIST ADRIEL 31141	840003008608911			C
NO-FLA TWIST HEYLEIGH 31177	840003008608947			C
NO-FLA WATKINS 31974-TW	840003009524175			C
NO-FLA WATKINS EVELYN 31914	840003009524115	C		
NO-FLA WATKINS KEYLA 31838	840003009524039		C	
NO-FLA ZADE HEIDY 30994	840003008608764		C	
NO-LIMIT BRAX LEEANDRA-TW	USA 70708383		C	
NO-LIMIT CASINO LEAH-ET	USA 70230001		C	

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
NO-LIMIT DURABLE LEANN-3-ET	USA 69112595		C	
NO-LIMIT G W ATWOOD 5672-ET	USA 69987175		C	
NOLANS-MCGARR GARDENIA-ET	USA 66376244			C
NOR-BERT DOMAIN CALGARY	USA 69917771		C	
NOR-BERT DOMAIN DASH	USA 69917788			C
NOR-BERT RAMOS CATIA-ET	USA 64788415	C		
NOR-ROSE 1139 MASSEY 1692	840003007347326		C	
NOR-ROSE 1275 PALERMO 1858	840003008400565	C		
NOR-ROSE 1380 PALERMO 1887	840003008400594	C		
NOR-ROSE 1544 PALERMO 1866	840003008400573	C		
NORDIC-HAVEN FOR CHERIE-ET	USA 120499856	C		
NORDIC-RIDGE BOLTON SEATTLE	USA 63732659	C		
NORDIC-RIDGE O-STYLE ICON	USA 71071300			C
NORDIC-RIDGE O-STYLE KORVET	USA 71071306			C
NORDIC-RIDGE OSTYLE LIBERTY	USA 71071307		C	
NORTH-ECHO AVERY 2530-ET	USA 70736900			C
NORTH-ECHO AVERY 2531-ET	USA 70736901			C
NORTH-ECHO AVERY 2533-ET	USA 70736903			C
NORTH-ECHO AVERY 2534-ET	USA 70736904			C
NORTH-ECHO AVERY 2540-ET	USA 70736910			C
NORTH-RIDGE RUDY TILS	USA 63200702	C		
NORTH-RUSH SHOTTLE RELISH	USA 65573984	C		
NORWESCOR SHAMROCK LANA	USA 70084417			C
NOVA MILLION EDINA-ET	USA 66614904		C	
NOVA MILLION EMILY-ET	USA 66614901		C	
NOVA OSTYLE EMINENT	USA 69402458		C	
NOVA ROSS TIME-ET	USA 69402370			C
NOVA-TMJ BRONCO ESMERLDA-ET	USA 69402359			C
NOVA-TMJ MIL EDRA-ET	USA 66614927		C	
NOVA-TMJ MIL EMPRESS-ET	USA 66614909		C	
NOVA-TMJ MILLION EBONY-ET	USA 66614892		C	
NOVA-TMJ MILLION EDITION-ET	USA 66614900		C	
NOVA-TMJ MILLION EDIVA-ET	USA 66614921		C	
NOVA-TMJ MILLION ENVY-ET	USA 66614905		C	
NOVA-TMJ MILLION ENYA-ET	USA 66614891		C	
NOVA-TMJ ROSS EMBLEMATIC	USA 69402374			C
NOVA-TMJ ROUMARE EVETTE	USA 66614887	C		
NURRES GABOR SNOW-ET	USA 69070226			C
NY-SPRINGLAWN MNF GOLLY-ET	USA 66561088			C
NY-SPRINGLAWN MNF GOSH-ET	USA 66561087			C
NY-SPRINGLAWN PALM GOTA-ET	USA 66561090	C		
O-BEE BOGART ILANA-ET	USA 140464320			C
O-BEE BW MARSHLL JOLIE-ET	USA 131601419			C
O-BEE FANCY GARTER	USA 137783085			C
O-BEE FANCY O-MAN	USA 135687570			C

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
O-BEE HOWIE KALEY-ET	USA 139852275	C		
O-BEE INDIANA KRISTINA-ET	USA 140755367			C
O-BEE KRUSADER ASHLYN-ET	USA 141543091	C		
O-BEE KRUSADER INGRID-ET	USA 141329657			C
O-BEE MAN-O-MAN KORRIE-ET	USA 141143563	C		
O-BEE MILLION KAI-ET	USA 140707234		C	
O-BEE MILLION KALICO-ET	USA 140707337		C	
O-BEE MILLION KAMELOT-ET	USA 140766664		C	
O-BEE OMAN INDY-ET	USA 139057184			C
O-BEE OMAN IRMINA-ET	USA 139397992			C
O-BEE SHOTTLE KOLLEEN-ET	USA 138352370	C		
O-BEE SUPER KONSTANCE-ET	USA 140909159	C		
O-C-E-C SHOTT RIO GRANDE-ET	840003008315967		C	
O-C-E-C SHOTTLE MARIA-ET	USA 141280017	C		
OAKFIELD ALLEN BRITTA-ET	USA 62293862		C	
OAKFIELD BLUE LAGOON-ET	840003006989055			C
OAKFIELD BRAZILIAN SYLE-ET	840003006989022		C	C
OAKFIELD ELITE BRYA-ET	840003006989365		C	
OAKFIELD ENCINO BRIT-ET	840003000942900		C	
OAKFIELD ENCINO BRITLEY-ET	840003000942909		C	
OAKFIELD FRED BELLADONNA-ET	840003006989468		C	
OAKFIELD IOTA FANCYPANTS-ET	840003008315981	C		
OAKFIELD IOTA FAT CHANCE-ET	840003008315963	C		
OAKFIELD JASPER BREEZE-ET	840003004201926		C	
OAKFIELD O-STYLE BAJA-ET	840003006989065			C
OAKFIELD O-STYLE BOCA-ET	840003006989058		C	C
OAKFIELD OBSERVE BENTLEY-ET	840003006989407		C	
OAKFIELD OUTSIDE BRYNN	USA 61266525		C	
OAKFIELD SHOTT BRIGITTE-ET	840003004202048		C	
OAKFIELD SHOTT BRITTLYN-ET	840003004202050		C	
OAKFIELD SHOTTLE BRISTIN-ET	840003004202065		C	
OAKFIELD SNOW BLACKBERRY-ET	840003008316237		C	
OAKFIELD SPIRTE BRITTANY	USA 62514434		C	
OAKLAND-VIEW ROSS 3571	USA 62823887			C
OAKLEAF O MAN LATIN	USA 62461201			C
OAKLEIGH LUDOX HARLY-RED-ET	USA 62733010	C		
OAKLEIGH MARION MISSY	USA 62733007	C		
OAKLEIGH MATRIX HA-RED-ET	USA 66216761	C		
OAKLEIGH MATRIX HUST-RED-ET	USA 66216791	C		
OASIS-PRAIRIE SHABUKA	USA 135902473			C
OCD BOGART DANNI-ET	840003006988779			C
OCD BOGART DERBY-ET	840003006988773			C
OCD BOOKEM 6044	840003008315305			C
OCD BRONCO FORGET-ET	840003006989461			C
OCD KRAMER SANTA-ET	840003008316172			C

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Name	Registration	HH1	HH2	HH3
OCD KRAMER SILLY-ET	840003008316186			C
OCD KRAMER SINGAPORE-ET	840003008316006			C
OCD MILLION DESTINY-ET	840003004202767		C	
OCD O-STYLE JANELLE-ET	840003008316208			C
OCD O-STYLE JANEY-ET	840003008316196			C
OCD O-STYLE JANICE-ET	840003008316197			C
OCEAN-VIEW ATWOOD ZANDY-ET	USA 140867589			C
OCEAN-VIEW MILLION SHERE-ET	USA 70318021		C	
OCEAN-VIEW O MAN ZABRINA	USA 137346824			C
OCEAN-VIEW SPECIAL MAYA-ET	USA 134635936		C	
OCEAN-VIEW SSI MILL JULI-ET	840003006972784		C	
ODA-ET	NLD 570437538			C
OKDS BANNING 2003	USA 71061299		C	
OKDS BANNING 2018	USA 71061314			C
OKDS GUS 1248	USA 70848266			C
OKDS JAMAR 1222	USA 70848240			C
OKDS JOCK 1286	USA 70848304			C
OKDS JOCK 1365	USA 71061281			C
OKDS JOCK 1369	USA 71061285			C
OKDS JOCK 2000	USA 71061296			C
OKDS KAMPMAN 1147	USA 70522891			C
OKDS LOGAN 1162	USA 70522906			C
OKDS PLUTO 1328	USA 71061244			C
OLD-DOMINION BILL 5773	USA 70163294			C
OLD-DOMINION BILL 5775	USA 70163296			C
OLD-DOMINION BILL 5867	USA 70163388			C
OLD-DOMINION BILL 5883	USA 70163404			C
OLD-DOMINION BILL 5888	USA 70163409			C
OLD-DOMINION CABHI 5739	USA 70163260			C
OLD-DOMINION KARSTEN 5702	USA 70163223	C		
OLD-DOMINION LAZARITH 5770	USA 70163291			C
OLD-DOMINION MILLION 5902	USA 70717677		C	
OLD-DOMINION PEMBROKE 5711	USA 70163232			C
OLD-DOMINION PEMBROKE 5718	USA 70163239			C
OLD-DOMINION PEMBROKE 5734	USA 70163255			C
OLD-DOMINION PEMBROKE 5736	USA 70163257			C
OLD-DOMINION PEMBROKE 5807	USA 70163328			C
OLD-DOMINION PEMBROKE 5827	USA 70163348			C
OLD-DOMINION SUPER 5772	USA 70163293	C		
OLD-DOMINION SUPER 5802	USA 70163323			C
OLD-LINE MEL LYNN-ET	USA 15262769			C
OLMAR JEEVES DARLING-ET	USA 55603420			C
OLMAR SHOUT BIANCA	USA 56554646	C		
OLSZEWSKI BOLTON CANDY-ET	USA 138893093			C
OLSZEWSKI PLANET SHELLY	USA 140359422	C		

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Name	Registration	HH1	HH2	HH3
OLSZEWSKI ROSS SOLUTION-ET	USA 141026956			C
OLSZEWSKI-RS ROSS CACTUS-ET	USA 141026947			C
ONE-O-ONE O-MAN EXPRESSION	USA 136985493			C
OPSAHLS MATRIX GIZMO-RED	USA 53437564	C		
OPSAL GARRETT FANTULA-ET	USA 70284505	C		
OPSAL LYNCH SATIN	USA 65622663	C		
OPSAL MAN-O-MAN SAVVY	USA 70284512	C		
OPSAL MARVELOUS SORBET	USA 70284503	C		
OPSAL MICHAEL SPARKLE-ET	USA 65975049	C		
OPSAL MILLION SCAMPER-ET	USA 65975099		C	
OPSAL POTTER SATURN	USA 63470262	C		
OPSAL SHARKY SOLANTRA	USA 63470322	C		
OPSAL SUPER SUNBURST-ET	USA 70284499	C		
OSCWIL MILLION 3076-ET	USA 69033055		C	
OUR-FAVORITE CHELSEY-ET	USA 140103571		C	
OUR-FAVORITE CHEREECE-ET	USA 140103601		C	
OUR-FAVORITE DYNASTY RAE-ET	USA 141507855			C
OUR-FAVORITE GEORGETTE-ET	USA 141655866		C	
OUR-FAVORITE MIL LIONA-ET	USA 140196492		C	
OUR-FAVORITE MILL ORIANA-ET	USA 140197185		C	
OUR-FAVORITE MILL OTYLIA-ET	USA 140197149		C	
OUR-FAVORITE OUTBURST-ET	USA 134987583		C	
OUR-FAVORITE PASADENA	USA 141656287	C		
OUR-FAVORITE PIXIE STYX	USA 140618774		C	
OUR-FAVORITE SANITY RAE-ET	USA 141711836			C
PALMYRA FH MARINA-ET	USA 71073017		C	
PALMYRA O-STYLE ASHLYN	USA 70809695			C
PALMYRA OSMAND ALLISON	USA 70809693		C	
PALMYRA-CREEK DURABLE SASSY	USA 70809705		C	
PAOLA 854-ET	LUX 698612037	C		
PARADISE-D BO SUNFLOWER-ET	USA 141060716			C
PARADISE-DND MIL SNIDY-ET	USA 140093418		C	
PARADISE-DND MIL SNIEG-ET	USA 140093463		C	
PARADISE-R BREEZE 4286	USA 63350403	C		
PARADISE-R JITTERBUG-ET	USA 65830330		C	
PARADISE-R LI JILLIAN 4452	USA 65830268	C		C
PARADISE-R MARSH STAR-ET	USA 62016439	C		C
PARADISE-R MIPPY 4567-ET	USA 65830383		C	
PARADISE-R PL SEDONA 4456	USA 65830272			C
PARADISE-R RAMJET BOVA-ET	USA 65830285			C
PARADISE-R RAMJET BREE-ET	USA 65830283			C
PARADISE-R TINY RUTH 4462	USA 65830278			C
PASEN O-MAN BARB	USA 137574885			C
PASEN O-MAN TUTU	USA 137048717			C
PAT-PAS LANE MARION MELISSA	USA 63103547	C		

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Name	Registration	HH1	HH2	HH3
PATTY 3965-ET	DEU 1403343965			C
PAULO-BRO MILLION 14299	USA 69554978		C	
PELLERAT GOODLUCK MAHE	CAN 102044148	C		
PEN-COL SHAMROCK MARCY-ET	USA 70609389			C
PEN-COL SHAMROCK MARY-ET	USA 70609400			C
PENN-DELL ENCORE PRIMROSE	USA 61268632			C
PENN-DELL GOLDWYN RAMADA-ET	USA 65905966	C		
PENN-DELL RUDY MADDIE	USA 62836020	C		
PENN-ENGLAND ALLIE 5329	USA 65621438		C	
PENN-ENGLAND ASPEN 5510-ET	USA 66172076	C		
PENN-ENGLAND AXEL 6412	USA 68946417			C
PENN-ENGLAND DARCEY 8424-ET	USA 70979807			C
PENN-ENGLAND ERIN 7905-ET	USA 70255325			C
PENN-ENGLAND SASSY 8541-TW	USA 70979924		C	C
PENN-ENGLAND SASSY 8542-TW	USA 70979925		C	C
PENN-ENGLAND TRUE 7920-ET	USA 70255340	C		
PENN-ENGLAND ZIP 5546-ET	USA 66172112			C
PENNWOOD GOLDWYN TAMALE-ET	USA 70186881		C	
PENNWOOD LAUTHORITY GOLDGAL	USA 70975287		C	
PENNWOOD MAMMOTH MYSTERY	USA 70187029		C	
PENSTATE ALONZO 1141	USA 60094952	C		
PENSTATE BEAVER 1282	USA 62125016	C		
PENSTATE BRASS 1221	USA 61120401			C
PENSTATE BRASS 1225	USA 61120405			C
PENSTATE BRET 1078-TW	USA 62549060			C
PENSTATE COPPER 1052	USA 60094863	C		
PENSTATE DEANN 1485	USA 65422811			C
PENSTATE DIAL 1255	USA 62124996	C		
PENSTATE EQUITY 1078	USA 60094889			C
PENSTATE FABIAN 1255	USA 61120435	C		
PENSTATE FORBIDDEN 1350	USA 61120530	C		
PENSTATE HOSEA 1549	USA 65422753			C
PENSTATE LANDLORD 1282-TW	USA 61120462	C		
PENSTATE LYNCH 1207	USA 61120387	C		
PENSTATE MAN 1603	USA 65422801			C
PENSTATE MILLENIUM 1313	USA 61120493	C		
PENSTATE MILLENIUM 1333	USA 61120513	C		
PENSTATE MILLENIUM 1420	USA 62124945	C		
PENSTATE MR SHIPS 1211	USA 61120391	C		
PENSTATE MR SHIPS 1413	USA 62124938	C		
PENSTATE O MAN 1157	USA 62125007			C
PENSTATE O MAN 1167	USA 62125001			C
PENSTATE O MAN 1188-TW	USA 62549107			C
PENSTATE O MAN 1207	USA 62125010			C
PENSTATE O MAN 1350	USA 62549098	C		

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Name	Registration	HH1	HH2	HH3
PENSTATE O MAN 1595	USA 65422796			C
PENSTATE O MAN 1605	USA 65422802			C
PENSTATE VARS 1756	USA 68845512			C
PFAFFS-WO SECURE EVOLVE-RED	USA 141474227		C	
PINE-SHELTER CAI SHERAC-ET	USA 70140011	C		
PINE-TREE 11 ALTON 2629	USA 70045233	C		
PINE-TREE 1243MITEY 4783-ET	USA 69804547			C
PINE-TREE 1243MITEY 4786-ET	USA 69804550			C
PINE-TREE 1243MITEY 4789-ET	USA 69804553			C
PINE-TREE 1254 BANCO 5134	USA 70782146			C
PINE-TREE 1430 OSTY 5155-ET	USA 70782167			C
PINE-TREE 1791 OSTYL 5126	USA 70782138			C
PINE-TREE 1825 BEAM 5164-ET	USA 70782176			C
PINE-TREE 1835 COLBY 5106	USA 70782118		C	
PINE-TREE 1908 COLBY 5187	USA 70782199		C	
PINE-TREE 1937 COLT 5146-ET	USA 70782158		C	
PINE-TREE 1937 LAWN 5020-ET	USA 70782032		C	
PINE-TREE 1937 LEKO 5147-ET	USA 70782159		C	
PINE-TREE 1937 ROBU 5022-ET	USA 70782034		C	
PINE-TREE 1937OBSER 4797-ET	USA 69804561		C	
PINE-TREE 1937PHENO 4828-ET	USA 69804592		C	
PINE-TREE 1937PLANT 4760-ET	USA 69804524		C	
PINE-TREE 1937PLANT 4764-ET	USA 69804528		C	
PINE-TREE 2021 MCCOR 2654	USA 70045258	C		
PINE-TREE 2119 COLBY 5206	USA 70782218			C
PINE-TREE 2131 GALLO 4927	USA 69804691			C
PINE-TREE 2136 WIND 5108	USA 70782120			C
PINE-TREE 2312 COLBY 5130	USA 70782142		C	
PINE-TREE 2432 TRES 2724	USA 70045328			C
PINE-TREE 359 OSTYL 5139-ET	USA 70782151			C
PINE-TREE 4075 OSTY 5076-ET	USA 70782088			C
PINE-TREE 4075 OSTY 5080-ET	USA 70782092			C
PINE-TREE 4085 COLBY 5102	USA 70782114		C	
PINE-TREE 4107 COLBY 5179	USA 70782191		C	
PINE-TREE 4133PLANT4744-TW	USA 69804508			C
PINE-TREE 4137 COLBY 5188	USA 70782200		C	
PINE-TREE 4142 COLBY 5117	USA 70782129		C	
PINE-TREE 4148 COLBY 5128	USA 70782140		C	
PINE-TREE 4176 COLB 5213-TW	USA 70782225		C	
PINE-TREE 4233 OBSRV4858-ET	USA 69804622		C	
PINE-TREE 4233OBSER 4848-ET	USA 69804612		C	
PINE-TREE 4307 PLAT 4998-ET	USA 69804762		C	
PINE-TREE 4348 LES 5172	USA 70782184		C	
PINE-TREE 4390 DOMIN 5120	USA 70782132		C	C
PINE-TREE 4409 DURAB 5110	USA 70782122		C	

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Name	Registration	HH1	HH2	HH3
PINE-TREE 4416 LES 5160	USA 70782172		C	
PINE-TREE 91729 COLB 5121	USA 70782133		C	
PINE-TREE ACTIVE MINT	USA 66882376		C	
PINE-TREE BLVR MARQUETTE-ET	USA 64350516		C	
PINE-TREE BOLIVER MANDI-ET	USA 65761705			C
PINE-TREE BOLIVER MELODY-ET	USA 64350539		C	
PINE-TREE BOLIVER MELONY-ET	USA 65622131		C	
PINE-TREE BRET MARY-ET	USA 65761785			C
PINE-TREE CLBY SUPERSTAR-ET	USA 65761696			C
PINE-TREE COLBY MOLLIE-ET	USA 64350577		C	
PINE-TREE DIE-HARD TASHA	USA 62847957			C
PINE-TREE DIEHARD MANDY-ET	USA 65622121			C
PINE-TREE DIEHARD SHARLA-ET	USA 66882385		C	
PINE-TREE EARNIT ZEEBE	USA 66882421			C
PINE-TREE FOLKLORE 24277	USA 65481265			C
PINE-TREE GOLDWYN MISSY-ET	USA 62623564			C
PINE-TREE L-WAY SUPER ROCK	USA 141209814		C	
PINE-TREE LEIF ZELLA	USA 66882412			C
PINE-TREE MAC VIBRANT-ET	USA 65506996		C	
PINE-TREE MAC VIOLET-ET	USA 65506998		C	
PINE-TREE MANDY ZEEBE-ET	USA 62847960			C
PINE-TREE MANDY ZELLA-ET	USA 62847964			C
PINE-TREE MARY MICHELLE-ET	USA 65761743			C
PINE-TREE MILION BECALYN-ET	USA 66882415		C	
PINE-TREE MILLION BECCA-ET	USA 66882405		C	
PINE-TREE MILLION MARA-ET	USA 66882471		C	
PINE-TREE MILLION MARIA-ET	USA 66882459		C	
PINE-TREE MILLION SHEILA-ET	USA 66882458		C	
PINE-TREE MINT SHARLA-ET	USA 63651463		C	
PINE-TREE MISSY MANDY-ET	USA 61733091			C
PINE-TREE MISSY MARY-ET	USA 61733080			C
PINE-TREE O-MAN DOT 1372	USA 61996212			C
PINE-TREE OMAN ALIX-ET	USA 65761690			C
PINE-TREE OMAN DIANA-ET	USA 64727341			C
PINE-TREE OMAN DIXIE	USA 64350562			C
PINE-TREE OMAN MARIA-ET	USA 64350517			C
PINE-TREE OMAN MIMI2-ET	USA 64350502			C
PINE-TREE OMAN PETUNIA-ET	USA 64350512			C
PINE-TREE OMAN RACHEL	USA 64350560			C
PINE-TREE OMAN WANDA-ET	USA 65622113			C
PINE-TREE OUTSIDE MONA-ET	USA 62848098		C	
PINE-TREE RAMOS MINDY-ET	USA 66882431		C	
PINE-TREE RAMOS MINNIE-ET	USA 66882427		C	
PINE-TREE RAMOS MINTA-ET	USA 66882424		C	
PINE-TREE RAMOS MINTEA-ET	USA 66882418		C	

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Name	Registration	HH1	HH2	HH3
PINE-TREE RAMOS MINUTE-ET	USA 66882426		C	
PINE-TREE RAMOS MOCHA-ET	USA 64350545		C	
PINE-TREE SHARLA DAPHNE-ET	USA 66372249		C	
PINE-TREE SHOTTLE MARY-ET	USA 65761766			C
PINE-TREE SPEARMINT ALDA-ET	USA 66882514		C	
PINE-TREE SPEARMINT BETH-ET	USA 66882354		C	
PINE-TREE SPEARMINT MARIE	USA 66882444		C	
PINE-TREE SPEARMINT MARY	USA 66882429		C	
PINE-TREE SPRMNT BETTY-E-ET	USA 66882512		C	
PINE-TREE WRENCH 2556	USA 66899055			C
PINE-TREE ZENITH LA MINT-ET	USA 63651506		C	
PINE-TREE ZENITH MINT-ET	USA 63651489		C	
PINE-TREE ZENITH MINTEA-ET	USA 63651493		C	
PINE-TREE ZENITH MINTO-ET	USA 63651490		C	
PINELAND AFTERSHOCK CHANEL	USA 69951988		C	
PINELAND GOLDWYN PACEY	USA 65466022		C	
PINELAND GOLDWYN PRIDE-ET	USA 65466015		C	
PINELAND GOLDWYN TIMEOUT-ET	USA 65466063		C	
PINEYVALE BAXTER GLIMMER-ET	USA 139299865			C
PINEYVALE BAXTER GLOW-ET	USA 139158278			C
PINEYVALE RUDY RACIE-ET	USA 139788666			C
PIROLO O-MAN STUPENDA	ITA 19990035723			C
PLAIN-KNOLL BOGART 5352	USA 68997609			C
PLAIN-KNOLL BOWSER 5345	USA 68997602			C
PLAIN-KNOLL COLBY 4344	USA 64978324		C	C
PLAIN-KNOLL DOMAIN 5490	USA 68997747	C		
PLAIN-KNOLL DOMAIN 5496-ET	USA 68997753			C
PLAIN-KNOLL O MAN 3492	USA 62710910			C
PLAIN-KNOLL PALERMO 5933	USA 70119634	C		
PLAIN-KNOLL PALERMO 6014	USA 71129089	C		
PLAIN-KNOLL PAUL 4893 5903	USA 70119604		C	
PLAIN-KNOLL PLANET 5067-ET	USA 68997324			C
PLAIN-KNOLL RAMOS 4486	USA 64978466	C		
PLAIN-KNOLL RAMOS 4860	USA 66260799		C	
PLAIN-KNOLL SUPER 5936-TW	USA 70119637			C
PLAYBALL ALEXR FLOWER-ET	USA 140510160	C		
PLAYBALL BRONC LEYTEM-ET	USA 141238506			C
PLAYBALL MILLION ANNETTE-ET	USA 68654523		C	
PLUSHANSKI GARTER 761	USA 61324832	C		
PLUSHANSKI JEEVES FARJEE-TW	USA 66607186	C		C
PLUSHANSKI MAC FAR 1506	USA 64876101	C		C
PLUSHANSKI O MAN FILO	USA 62732013			C
POLY BAXTER ARETHA	USA 64258178	C		
POLY BAXTER BEGONIA	USA 64280858	C		
POLY BOLIVIA EMMALEIGH-ET	USA 64258208			C

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Name	Registration	HH1	HH2	HH3
POLY FORTUNE CAROLYN	USA 64258154			C
POLY FORTUNE RACHELLE	USA 64280872	C		
POLY MILLION BETTI	USA 69815690	C	C	
POLY MORTY RALEENE	USA 62482742	C		
POLY ONWARD ALLIE	USA 64258217		C	
POLY PEPPER CAROLYN	USA 64258199	C		
POLY-KOW S-S LIBBY	USA 52791139	C		
POP-A-TOP DMASCUS ABBY-ET	USA 69972456		C	
POP-A-TOP OBSERVER 997	USA 69972457	C		
POTTERS-FIELD KARISMA 3473	USA 61894429			C
POTTERS-FIELD MN LULU-ETS	USA 66758047		C	
POTTSDALE GOLDWYN ROZINA-ET	USA 53734205		C	
POTTSDALE SHOT ROCKYROAD-ET	USA 53734273		C	
POTTSDALE SHOTTLE RAZZLE-ET	USA 53734274		C	
PRAIRIE-FLOWER OMAN ACCENT	USA 139687161			C
PRIDE LOGAN TULANE 904	USA 69491313			C
PRIDE MARSH MACARONI 499	USA 62769360	C		
PRIDE ROBUST JILL 976-ET	USA 70729334		C	
PRIDE ROBUST PEPSI 990-ET	USA 70729348			C
PROBSTLAND BOLTON E-2522	USA 66224789			C
PROBSTLAND BRONCO EVA2725	USA 69742997			C
PROSITE PONTIAC PAMETTE	USA 62781094			C
PROSITE RAMOS CHARLOT	USA 64594439	C		
QUALITY-QUEST HVZ MYSTIFIRE	USA 68857241	C		
QUALITY-QUEST PLM JUSTIFIRE	USA 68857238	C		
QUALITY-QUEST SPMNT X-RAY	USA 65840600		C	
QUALS 43-ET	ITA 17990181447			C
QUENCHY-ET	DEU 535823759			C
QUIET-BROOK-D BABYBLUE-ET	USA 65597505			C
QUIET-BROOK-D BABYSHOT	USA 65597490	C		
QUIET-BROOK-D BABYWHITE	USA 62180448			C
QUIET-BROOK-D BABYYELLOW-ET	USA 65849644			C
QUIET-BROOK-D PLAN BABYAQUA	840003007069757			C
QUIRLY-ET	DEU 580690692			C
QUITTE-ET	DEU 580690682			C
R-E-W SAONA-ET	USA 136621173	C		
R-Z BAXTER CHARISMA-ET	USA 139057317			C
RA-LEE-ACRES GOLD GIDGET-ET	USA 69303472		C	
RA-LEE-ACRES MILLION KIM-ET	USA 68832661		C	
RAGNAR ROSS ELOQUENT	USA 140028218	C		
RAILCREST O-STYLE CHERRY-ET	USA 70175728			C
RAILCREST O-STYLI CIERRA-ET	USA 70175729		C	
RAINYRIDGE MBRNS EVA-RED-ET	USA 66358478		C	
RAINYRIDGE MR BURNS EARA	CAN 9728492		C	
RALMA BAXTER CHEETO-ET	USA 53478868			C

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Name	Registration	HH1	HH2	HH3
RALMA FINLEY FIREFLY-ET	USA 52357902	C		
RALMA GOLDWYN CARLY-ET	USA 52774546			C
RALMA GOLDWYN CARMEL 2-ETN	USA 140015638			C
RALMA GOLDWYN CARMEL 3-ETN	USA 140015919			C
RALMA GOLDWYN CARMEL 4-ETN	USA 140015964			C
RALMA GOLDWYN CARMEL 5-ETN	USA 140016013			C
RALMA GOLDWYN CARMEL-ET	USA 52774526			C
RALMA GOLDWYN CARMEN-ET	USA 53774755			C
RALMA GOLDWYN CHLOE-ET	USA 53774751			C
RALMA MAC CAMERA-ET	USA 53478886			C
RALMA MAC CANDLELIGHT-ET	USA 53451993	C		
RALMA MAC COMEDY-ET	USA 53774709			C
RALMA MARION CLASSIC-ET	USA 52774564	C		
RALMA MILLION CADILLAC-ET	USA 55641644		C	C
RALMA MILLION CAMRY-ET	USA 55641649		C	
RALMA MILLION CELESTE-ET	USA 57220442		C	
RALMA SHOTTLE OREO-ET	USA 53774732			C
RALMA SHT CHOCOLATE CHIP-ET	USA 53774729			C
RALMA SHTL GINGERSNAP-ET	USA 53774731			C
RALMA SUPER CANTEENA-ET	USA 56344513			C
RALMA SUPER CHAOS-ET	USA 56344517			C
RALMA SUPER CHAPEL-ET	USA 56344522			C
RALMA SUPER CHURCH-ET	USA 56344523			C
RALMA SUPER COMMOTION-ET	USA 56344518			C
RAMA-WAY SHANE DIXIE	USA 70920357		C	
RAN-RUE MORTY HOLLOW CRI-ET	USA 61089290	C		
RAPSON JANUARY 1487	USA 65899067	C		
RAUSCHER MATHIE 408-803	USA 15900861	C		
RAY-BETT COLBY MERADITH	USA 66330245		C	
RAYLORE M M KIWI-ET	USA 62995106	C		
RAYMAU ALEXANDER 7253	840003006779759			C
RC-NC ROSS 7507-ET	USA 69725643			C
RC-NC-BTA O-STYLE 8696-ET	USA 71402899			C
RC-NC-BTA ROSS 8458-ET	USA 70367297			C
RC-NC-BTA ROSS JEWEL 7718	USA 69725854			C
RED-OAK-DB AL GLORY	USA 140428885			C
RED-OAK-DB AL RUBY	USA 140448076			C
RED-OAK-DB AVERY ALISON-ET	USA 141624118			C
RED-OAK-DB AVERY ALLEY-ET	USA 141624015			C
RED-OAK-DB CROWN 404	USA 139573684			C
RED-OAK-DB MILLION CIL	USA 140428867			C
RED-OAK-DB O MAN MAG SILVER	USA 136138369			C
RED-OAK-DB PONTIAC JACKIE	USA 138079673			C
RED-OAK-DB SHAMROCK QUEEN	USA 141626295			C
RED-OAK-DB SHAMROCK SUE	USA 141454175	C		

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Name	Registration	HH1	HH2	HH3
RED-OAK-DB SOCRATES SAM-ET	USA 140218255	C		C
RED-OAK-DB SOCRATES SUE-ET	USA 140218264	C		
RED-OAK-DB TIME TERI-ET	USA 140471641			C
REDCARPET BOOKEM BYU-ET	USA 70962153		C	
REDCARPET MILLION BRITTA-ET	USA 68936651		C	
REDCARPET MILLION EHRIS-ET	USA 68936634		C	
REDCARPET RCH PRINCE PRIS	USA 70911313	C		
REGAN-ALH BOXER DELA	USA 66625470	C		
REGAN-ALH BRONCO ELLE-ET	USA 66625630			C
REGAN-ALH BXR DELA-ET	USA 66625401	C		
REGAN-ALH M DELINDA-ET	USA 66625060		C	
REGAN-ALH M DELISA-ET	USA 66625053		C	
REGAN-ALH M DELISHA-ET	USA 66625058		C	
REGAN-ALH M DELZEE-ET	USA 66625052		C	
REGAN-ALH MS DEVITAR-ET	USA 66625141		C	
REGAN-ALH MS DEVITORA-ET	USA 66625143		C	
REGANCREST B BELIVIA-ET	USA 66625640			C
REGANCREST BARBORA-ET	USA 70242633			C
REGANCREST BARIAH-ET	USA 70242630	C		
REGANCREST BEACON ISAURA-ET	USA 66625678			C
REGANCREST BETHANN-ET	USA 66624924		C	
REGANCREST BOLTON ISABEL	USA 63606806			C
REGANCREST BRIZZA-ET	USA 66624903		C	
REGANCREST BROADWAYSTAR	USA 66625257			C
REGANCREST BRONCO BELISA-ET	USA 66625654			C
REGANCREST C BELLARI-ET	USA 70242561			C
REGANCREST C BONJORA-ET	USA 70242558			C
REGANCREST CALLIE-ET	USA 70242622	C		
REGANCREST CAMBRIA-ET	USA 70242644	C		
REGANCREST DAMAS BROOKE-ET	USA 70242565		C	
REGANCREST GOLD MILLY-ET	USA 62496865	C		
REGANCREST IOTA BUTTERFLY	USA 70242604		C	
REGANCREST IOTA GILIA	USA 70242641		C	
REGANCREST K TARISSA-ET	USA 70242879			C
REGANCREST K TARYN-ET	USA 70242866			C
REGANCREST K TAYLA-ET	USA 70242870			C
REGANCREST M BAYLEE-ET	USA 66625033		C	
REGANCREST MAC MISSY-ET	USA 64943434			C
REGANCREST MB BREYELL-ET	USA 63606863		C	
REGANCREST OSTYL BRIANNA-ET	USA 70242825			C
REGANCREST OSTYLE ALDORA-ET	USA 70242799			C
REGANCREST OSTYLE BASYL-ET	USA 70242782			C
REGANCREST OSTYLE BRIZO	USA 70242946			C
REGANCREST R BEDELIA-ET	USA 66625564			C
REGANCREST ROSS BELLANCA-ET	USA 66625561			C

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Name	Registration	HH1	HH2	HH3
REGANCREST S BREENA-ET	USA 70242576		C	
REGANCREST S BRIA-ET	USA 66625535		C	
REGANCREST S DIXI-ET	USA 70242636			C
REGANCREST SNOW BREYELLE-ET	USA 70242665			C
REGANCREST SNOW PARADISE-ET	USA 70242668			C
REGANCREST TIME CALALILY	USA 66625346	C		
REGANCREST-GV BRENLEE-ET	USA 66625040		C	
REGANCREST-GV P BETH-ET	USA 70242621	C		
REGANCREST-GV P BETHAN-ET	USA 70242639	C		
REGANCREST-GV P BETHEA-ET	USA 70242629	C		
REGANCREST-GV SNOW BELL-ET	USA 70242941			C
REGANCREST-HH O MACARIA-ET	USA 70242855			C
REGANCREST-LOV JS BRIANN-ET	USA 63606627		C	
REGANCREST-LOV SPR BRITT-ET	USA 66625580		C	
REGANCREST-R L SAMARA-ET	USA 70242922	C		
REGANCREST-R L SOLACE-ET	USA 70242928	C		
REGANCREST-SRD A TABINE-ET	USA 64943296	C		
REGANCREST-SRD A TABITHA-ET	USA 64943295	C		
REGEL KRUSADER BLAZE-ET	USA 66707801	C		
REGEL SAMOA BEESY-ET	USA 71229551			C
REGEL SNOWMAN LORI-ET	USA 66707808			C
REGELCREEK MILLION ARBUA-ET	USA 66707735		C	
REGINA-ET	DEU 350597990	C		
REIDMAN MILLION BRI BEBE	USA 141209672		C	
REINECKE-HOL LOGIC LAVENDER	USA 65803353		C	C
REPARD-GALS RAMSES BETSY-ET	USA 134879271	C		
RHOMAN-WAI COLBY 2658-ET	USA 65416259		C	
RHOMAN-WAI COLBY 2659-ET	USA 65416260		C	
RHOMAN-WAI COLBY 2678-ET	USA 65416279		C	
RHOMAN-WAI COLBY 2679-ET	USA 65416280		C	
RHOMAN-WAI COLBY 2743-ET	USA 66266875		C	
RHOMAN-WAI O-MAN 2045	USA 62016143			C
RHOMAN-WAI O-MAN 2071-ET	USA 62016169			C
RHOMAN-WAI O-MAN 2169	USA 62037566			C
RHOMAN-WAI PLANET 2758-ET	USA 66266890			C
RHOMAN-WAI PLANET 2764-ET	USA 66266896			C
RHOMAN-WAI ROSE CRI-ET	USA 66321082			C
RI-VAL-RE ADV WIN-GO-RED-ET	USA 64621428	C		
RI-VAL-RE ALLIE-RED-ET	USA 66274809	C		
RI-VAL-RE AVERY NADINE-ET	USA 69928530			C
RI-VAL-RE BEST OPAL-ET	USA 61398484	C		
RI-VAL-RE CANDY-RED-ET	USA 64681848	C		
RI-VAL-RE COLT PIXY-RED-ET	USA 69928497	C		
RI-VAL-RE DARKROSE-RED-ET	USA 64621432	C		
RI-VAL-RE DORCY EVETTE	USA 69928512	C		

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
RI-VAL-RE DRHM BLACKWING-ET	USA 64621431	C		
RI-VAL-RE ELAYO RUBY-RED-ET	USA 64621475	C		
RI-VAL-RE ELEGANT DIEDRA-ET	USA 63203677		C	
RI-VAL-RE JEEVES NIKALA-ET	USA 66473432	C		
RI-VAL-RE JOBESS LUCY LU	USA 66473514	C		
RI-VAL-RE LAND ZIA-RED-ET	USA 64621481	C		
RI-VAL-RE LB RUBY-P-RED-ET	USA 64621522	C		
RI-VAL-RE LEADER ROXY	USA 60403502		C	
RI-VAL-RE LOGAN ARIETTA-ET	USA 69810488			C
RI-VAL-RE M ZESTY-P-RED-ET	USA 66473678	C		
RI-VAL-RE MAC JEWEL-ET	USA 64621473	C		
RI-VAL-RE MILLION WINNIE-ET	USA 66473488		C	
RI-VAL-RE MOSCOW LEANN	USA 66473455	C		
RI-VAL-RE MR BURNS ALLIE-ET	USA 64621452		C	
RI-VAL-RE MTY ROJA-P-RED-ET	USA 69928507	C		
RI-VAL-RE OBSRVR REDWING-ET	USA 69928439	C		
RI-VAL-RE PDX SALSA-RED-ET	USA 60815405	C		
RI-VAL-RE PLANET ROJA	USA 66473557	C		
RI-VAL-RE PMK RUBY P-RED-ET	USA 66473607			C
RI-VAL-RE RILEY-P-RED-ET	USA 64621483	C		
RI-VAL-RE SD ZESTY-RED-ET	USA 66473618	C		
RI-VAL-RE STOL JASMINE-ET	USA 64621589	C		
RI-VAL-RE SZY ZESTY-P-RED	USA 69928473	C		
RI-VAL-RE TOY LUCINDA-ET	USA 63203681	C		
RI-VAL-RE WISC SALSA-RED-ET	USA 66473420	C		
RICECREST SHOTTLE SHARI-ET	USA 137198485	C		
RICH-J MAMOUITH MERANDA	USA 63609577	C		
RICH-J MAMOUITH TALON-RED	USA 63609570			C
RICH-J OMAX AZUR-RED	USA 69531215			C
RICH-J TOUCH ALITA-ET	USA 18017116	C		
RICHLAWN O-STYLE APRIL AVA	USA 66292271			C
RICHMOND-FD BABERLIN	USA 70287848			C
RICHMOND-FD DEANN MILKYWAY	USA 62958511			C
RICHMOND-FD JIVES JAMS	USA 70287811			C
RICHMOND-FD K BONBON-ET	USA 71141595			C
RICHMOND-FD LAVERNIA-ET	USA 69305037		C	
RICHMOND-FD LUCRETA-ET	USA 69305036		C	
RICHMOND-FD LYSANDRIA-ET	USA 69305035		C	
RICHMOND-FD OUTSIDE OUTSIDE	USA 70287849		C	
RICKLAND ALEXANDER 2890-ET	USA 66157150			C
RICKLAND CHAIRMAN 3573-ET	USA 70017751		C	C
RIDGE-DELL BOLTON RIAN-ET	USA 65536143			C
RIPPD-VALLEY BEACON 5572	USA 70881976	C		
RIPPD-VALLEY GERARD 5436	USA 70217209	C		
RIPPD-VALLEY MANGO 3378	USA 62822135	C		

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Name	Registration	HH1	HH2	HH3
RIPPD-VALLEY O MAN 2773	USA 62168950			C
RIPPD-VALLEY PLANET 5452	USA 70217225		C	
RIPPD-VALLEY SHOTTLE 5039	USA 69617851	C		
RIVER-BRIDGE BOGRT TURLY-ET	USA 66168553			C
RIVER-BRIDGE COLBY SASH	USA 66168410		C	
RIVER-BRIDGE DENALI CASTLE	USA 69908723		C	
RIVER-BRIDGE SPMINT TRIDENT	USA 66168533		C	
RIVER-DIVIDE ASHCK DOLLY-ET	USA 69436365			C
RIVER-DIVIDE ATWOD DIXIE-ET	USA 69436367			C
RJR AUDEN 1683-ET	USA 65671835	C		
RJR AUDEN 1688-ET	USA 65671840	C		
RJR AUDEN 1692-ET	USA 65671844	C		
RJR AVERY 2957-ET	USA 71084951			C
RJR AVERY 2958-ET	USA 71084952			C
RJR AVERY 2965	USA 71084959		C	C
RJR BOOKEM 2778-ET	USA 70502565		C	
RJR CASSIS CRI-ET	USA 64541793		C	
RJR CHERISH CRI-ET	USA 64541797		C	
RJR ELEGANT 1269-ET	USA 62726153		C	
RJR GO VG TS CASSIE-ET	USA 63375703		C	
RJR GOLDWYN 1802-ET	USA 66709526		C	
RJR GOLDWYN 1803-ET	USA 66709527		C	
RJR HILL 2962-ET	USA 71084956		C	
RJR HILL 2982-ET	USA 71084976		C	
RJR HILL 2984-ET	USA 71084978		C	
RJR IOTA 2789-ET	USA 70502576		C	
RJR JET STREAM 1341-ET	USA 62726225		C	
RJR LEIF 1781	USA 65671933		C	
RJR O-STYLE 2845	USA 70502632			C
RJR OBSERVER 2554-ET	USA 69817091		C	
RJR PEOTI 2998-ET	USA 71084992		C	
RJR PLANET 1886	USA 66709610		C	
RJR PLANET 1943-ET	USA 66709667		C	
RJR SHAMROCK 2812-ET	USA 70502599		C	
RJR SHAMROCK 2818-ET	USA 70502605		C	
RJR SHAMROCK 2865	USA 70502652		C	
RJR TRIGGER 2413-ET	USA 69816950		C	
RJR-BH JET STREAM 1727-ET	USA 65671879			C
RJR-BH MAC DAMARA-ET	USA 65671895			C
RMW AVERY ADDISON-ET	USA 70885416			C
RMW AVERY ALEXIS-ET	USA 70885424			C
RMW KRAMER AIMEE-ET	USA 70885439			C
RMW KRAMER AVA-ET	USA 70885438			C
RMW MILLION AUDREY-ET	USA 69468787		C	
RMW PEMBROKE ADORA-ET	USA 69468810			C

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Name	Registration	HH1	HH2	HH3
RO-CO BK ED JULIE-TW-ET	USA 69932090		C	
RO-CO RADON RADISH-ET	USA 69932059			C
RO-CO ROSS ZO RACHEL-ET	USA 69932045			C
RO-CO S-S-I ROSS 7170-ET	840003007701825			C
RO-CO SRC 89 100F-ET	USA 69932092			C
RO-CO ZO SN HUMIDITY-ET	USA 69932088			C
RO-CO ZO SNMN 93F-ET	USA 69932085			C
ROB-KAR BRONCO MACI	USA 141079785			C
ROB-KAR JEEVES GLOSSY	USA 141079767	C		
ROB-KAR MAC GENEVA-ET	USA 139740651	C		
ROB-KAR O-STYLE MARTINA	USA 141557663			C
ROBIN-HOOD COLLETTE-ET	USA 66091227			C
ROBTHOM JIANA OUTSIDE-ET	USA 135004232		C	
ROCFRAN SYLVA BRONCO	CAN 106694117			C
ROCHER ARR PRINCESS-RED-ET	USA 70392333	C		
ROCHER CLARK PUMPKIN	USA 70392338	C	C	
ROCHER HAYDEN PLUM-ET	USA 70392335			C
ROCHER SHOTTLE PESPI-ET	USA 65912337	C		
ROKEYROAD AROSS BOUNTY	USA 141517629			C
ROKEYROAD AROSS JELLO	USA 141329161			C
ROKEYROAD PALERMO JESSICA	USA 141329291	C		
ROLINDA-GKM PALERMO ATTY-ET	USA 70502373	C		
ROLINDACRES MILLION ALEX-ET	USA 65945081		C	
ROLL-N-VIEW MILL YASMIN-ET	USA 140057197		C	
ROLL-N-VIEW SMNT FRANCES-ET	USA 140306910	C	C	
ROLL-N-VIEW SMNT FRAPPE-ET	USA 140306929	C		
ROLL-N-VIEW SMNT FRAYNE-ET	USA 140306901	C	C	
RONELEE BOLIVER DAVIANNA-ET	USA 140156113		C	
RONELEE BOLIVER DECORATE-ET	USA 140156122		C	
RONELEE BOLIVER DELI-ET	USA 140156056		C	
RONELEE BOLIVER DOZEY-ET	USA 139531778		C	
RONELEE DALMATION-ET	USA 140965700		C	
RONELEE DELISABETH-ET	USA 141055152		C	
RONELEE DETROIT DALLY-ET	USA 141088044		C	
RONELEE DIPPITY-DOO-ET	USA 140965492		C	
RONELEE GOLDWYN DANAE-ET	USA 139413601		C	
RONELEE GOLDWYN DARLING-ET	USA 140156065		C	
RONELEE GOLDWYN DENALI-ET	USA 139413580		C	
RONELEE GOLDWYN DINAH-ET	USA 139413599		C	
RONELEE HERO DONALYNN-ET	USA 69716533		C	
RONELEE IOTA DANETTE-ET	USA 141456757		C	
RONELEE IOTA DAPHNIE-ET	USA 141550518		C	
RONELEE IOTA DARLINGTON	USA 141453923		C	
RONELEE IOTA DELTA-ET	USA 141550947		C	
RONELEE IOTA DOODLE-ET	USA 141550424		C	

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Name	Registration	HH1	HH2	HH3
RONELEE JEEVES JANE	USA 140057777			C
RONELEE LEWIS DECORATION	USA 141462705		C	
RONELEE MAC DANYA-ETS	USA 140423862		C	
RONELEE MAC DREAMY	USA 139407028		C	
RONELEE OBSERVER DURACEL-ET	USA 141141963		C	
RONELEE ROBUST DULCIE	USA 141453978		C	
RONELEE ROSS DASH-ET	USA 141087986			C
RONELEE ROSS DECORE-ET	USA 141088008			C
RONELEE RSVP DEW-ET	USA 137950810		C	
RONELEE RSVP DREAM-ET	USA 137740888		C	
RONELEE SHOTBOLT DYNASTY-ET	USA 141456711		C	
RONELEE SHOTTBOLT DORIAN-ET	USA 141456720		C	
RONELEE SNOWBOOTS-ET	USA 141462929		C	
RONELEE SNOWDRIFT-ET	USA 141675383		C	
RONELEE SNOWFALL-ET	USA 141675392		C	C
RONELEE SNOWFLAKE-ET	USA 141675404		C	C
RONELEE SSI HERO D 5459-ET	USA 68997716		C	
RONELEE SSI HERO D 7157-ET	840003007701812		C	
RONELEE TOYSTRY DELICACY-ET	USA 137974452		C	
RONELEE ZENITH DAINTY-ET	USA 55385416		C	
RONELEE ZENITH GLAZE-ET	USA 137095232	C		
RONLAND JUDIAN JIGGLER	USA 137659988			C
RONLAND MORTY JUNI CRI-ET	USA 61089273	C		
RONLAND NIAGRA JOYCE-ET	USA 69303525			C
ROSE-E-VUE JORDAN HARGA-RED	USA 61208817	C		
ROSY-LANE MILLION 4376	USA 68601451		C	C
ROSY-LANE RAMOS 4166	USA 65895670			C
ROSY-LANE SOTO 4946	USA 69830644			C
ROSYLANE-LLC AIRNET 5404	USA 70273816			C
ROSYLANE-LLC ARMITAGE 5382	USA 70273794		C	
ROSYLANE-LLC BOLIVER 4016	USA 65895520			C
ROSYLANE-LLC BOLIVER 4074	USA 65895578			C
ROSYLANE-LLC BOLIVER 4123	USA 65895627			C
ROSYLANE-LLC BOLIVER 4179	USA 65895683			C
ROSYLANE-LLC BOOKEM 5177	USA 69830875			C
ROSYLANE-LLC BOOKEM 5181	USA 69830879			C
ROSYLANE-LLC BOOKEM 5189-ET	USA 69830887			C
ROSYLANE-LLC BOOKEM 5300	USA 70273712			C
ROSYLANE-LLC BOOKEM 5316	USA 70273728	C		
ROSYLANE-LLC BOOKEM 5375	USA 70273787			C
ROSYLANE-LLC BOWSER 5018-ET	USA 69830716			C
ROSYLANE-LLC BOWSER 5135-TW	USA 69830833			C
ROSYLANE-LLC BOWSER 5136-TW	USA 69830834			C
ROSYLANE-LLC BOWSER 5146	USA 69830844			C
ROSYLANE-LLC BOWSER 5153	USA 69830851			C

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Name	Registration	HH1	HH2	HH3
ROSYLANE-LLC BOWSER 5206	USA 69830904			C
ROSYLANE-LLC CALIBER 4888	USA 69830586			C
ROSYLANE-LLC CARL 3589	USA 64499427			C
ROSYLANE-LLC COLT 5374	USA 70273786			C
ROSYLANE-LLC DENIM 5405	USA 70273817			C
ROSYLANE-LLC DESTROY 4807	USA 69830505			C
ROSYLANE-LLC DESTROY 5215	USA 69830913			C
ROSYLANE-LLC DIE-HARD 3533	USA 63235290			C
ROSYLANE-LLC FREDDIE 5126	USA 69830824	C		
ROSYLANE-LLC FREDDIE 5140	USA 69830838	C		
ROSYLANE-LLC FREDDIE 5296	USA 70273708			C
ROSYLANE-LLC FREDDIE 5365	USA 70273777	C		
ROSYLANE-LLC GALLON 5191	USA 69830889			C
ROSYLANE-LLC GALLON 5199	USA 69830897			C
ROSYLANE-LLC GR8M8 4814	USA 69830512			C
ROSYLANE-LLC HAZELTON 5290	USA 70273702			C
ROSYLANE-LLC JARMIL 5122-TW	USA 69830820			C
ROSYLANE-LLC JEEVES 4096	USA 65895600			C
ROSYLANE-LLC JIVES 5121	USA 69830819			C
ROSYLANE-LLC JIVES 5350	USA 70273762			C
ROSYLANE-LLC JIVES 5372	USA 70273784			C
ROSYLANE-LLC LEIF 4352	USA 68601427			C
ROSYLANE-LLC MAC 3891	USA 65895395			C
ROSYLANE-LLC MAC 4058	USA 65895562			C
ROSYLANE-LLC MUTINY 5330	USA 70273742			C
ROSYLANE-LLC MUTINY 5402	USA 70273814			C
ROSYLANE-LLC NIFTY 4210	USA 65895714			C
ROSYLANE-LLC O MAN 2373	USA 61686901			C
ROSYLANE-LLC O MAN 2454	USA 61686982			C
ROSYLANE-LLC O MAN 2695	USA 62114284			C
ROSYLANE-LLC O MAN 3986	USA 65895490			C
ROSYLANE-LLC O MAN 4007	USA 65895511			C
ROSYLANE-LLC O MAN 4090	USA 65895594			C
ROSYLANE-LLC O MAN 4120	USA 65895624			C
ROSYLANE-LLC O MAN 4129	USA 65895633			C
ROSYLANE-LLC O MAN 4194	USA 65895698			C
ROSYLANE-LLC O MAN 4237	USA 65895741			C
ROSYLANE-LLC O MAN 4364	USA 68601439			C
ROSYLANE-LLC O MAN 4379	USA 68601454			C
ROSYLANE-LLC O MAN 4406	USA 68601481			C
ROSYLANE-LLC OMAN 2940	USA 62114329			C
ROSYLANE-LLC OMAN 2955	USA 62114344			C
ROSYLANE-LLC OMAN 3196-TW	USA 62786245			C
ROSYLANE-LLC PEMBRK5151-RED	USA 69830849			C
ROSYLANE-LLC PLANET 4184	USA 65895688			C

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Name	Registration	HH1	HH2	HH3
ROSYLANE-LLC PLANET 4254	USA 68601329			C
ROSYLANE-LLC PLANET 4324	USA 68601399			C
ROSYLANE-LLC PLANET 4423-TW	USA 68601498			C
ROSYLANE-LLC PLANET 4424-TW	USA 68601499			C
ROSYLANE-LLC RAMOS 3391	USA 63235148			C
ROSYLANE-LLC RAMOS 3981	USA 65895485			C
ROSYLANE-LLC RAMOS 4055	USA 65895559			C
ROSYLANE-LLC RAMOS 4110	USA 65895614			C
ROSYLANE-LLC RAMOS 4132	USA 65895636			C
ROSYLANE-LLC RAMOS 4271-TW	USA 68601346			C
ROSYLANE-LLC RAMOS 4273	USA 68601348			C
ROSYLANE-LLC RAMOS 4356-TW	USA 68601431			C
ROSYLANE-LLC RAMOS 4362	USA 68601437			C
ROSYLANE-LLC RUDY 4087	USA 65895591	C		
ROSYLANE-LLC SHERAC 5221-ET	USA 69830919			C
ROSYLANE-LLC SHOTTLE 4236	USA 65895740			C
ROSYLANE-LLC SHOTTLE 4389	USA 68601464			C
ROSYLANE-LLC TONIC 5043	USA 69830741			C
ROSYLANE-LLC TONIC 5107	USA 69830805			C
ROSYLANE-LLC TORNADO 5120	USA 69830818			C
ROSYLANE-LLC TORNADO 5129	USA 69830827			C
ROSYLANE-LLC TORNADO 5144	USA 69830842			C
ROSYLANE-LLC TORNADO 5156	USA 69830854			C
ROSYLANE-LLC TORNADO 5213	USA 69830911			C
ROSYLANE-LLC TORNADO 5414	USA 70273826			C
ROSYLANE-LLC TREASURE 5233	USA 69830931			C
ROSYLANE-LLC TREASURE 5240	USA 69830938			C
ROSYLANE-LLC TREASURE 5278	USA 70273690			C
ROSYLANE-LLC TREASURE 5284	USA 70273696			C
ROSYLANE-LLC TREASURE 5306	USA 70273718			C
ROSYLANE-LLC TREASURE 5335	USA 70273747	C		
ROSYLANE-LLC TREASURE 5342	USA 70273754	C		C
ROSYLANE-LLC TREASURE 5394	USA 70273806			C
ROSYLANE-LLC YANO 5392	USA 70273804			C
ROXETTE 246	DEU 941213474	C		
ROYAL IDEVRA BOGART ESOTICA	ITA 19990773665			C
ROYAL-VISTA MILLION EVE	USA 68655836		C	
ROYAL-VISTA SECURE JOY-ET	USA 71068791		C	
RUANN DOMAIN MERLA-13308-ET	840003008211432	C		
RUANN DOMAIN TAUNA-13290-ET	840003008211414			C
RUANN JUSTIC MERLA 52171-ET	USA 62338162			C
RUANN JUSTICE ECHO-60648	USA 62726931			C
RUANN MORT CHARMER-34459-ET	USA 61624624	C		
RUANN PALER GRATEFUL-10339	USA 69970788	C		
RUANN PALERMO JEAN-10296	USA 69970745	C		

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Name	Registration	HH1	HH2	HH3
RUANN PLANET ECHO-1014	USA 69018616			C
RUANN PLANET MERLA-11720-ET	840003008209844			C
RUANN SPEAR MERLA-3639-ET	840003004670028		C	
RUANN SPECIAL KIDD-50312	USA 62119567		C	
RUANN WISCON MERLA-4378-ET	840003004670767	C		
RUANN WISCON MERLA-4473-ET	840003004670862	C		
RUGG-DOC AFTRSHOCK CARAH-ET	840003007897750			C
RUGG-DOC AFTRSK CARMLYNN-ET	840003007897752			C
RUGG-DOC AFTSHK CARMADON-ET	840003007897747			C
RUGG-DOC AFTSK CARMELITE-ET	840003007897749			C
RUGG-DOC BOOKEM CAMILA-ET	840003007897775			C
RUGG-DOC BOWSER CANAPY-ET	840003007897740			C
RUGG-DOC CARMELICIOUS-ET	USA 140276536		C	C
RUGG-DOC CARMODITY-ET	USA 140276527		C	
RUGG-DOC DOMAIN ADELYN-ET	840003007897751	C		
RUGG-DOC DOMAIN CAMPUS-ET	840003007897743			C
RUGG-DOC DOMAIN CARMANCY-ET	840003007897754			C
RUGG-DOC DOMAIN CARMAYLA-ET	840003007897757			C
RUGG-DOC DOMAIN CARMIKKI-ET	840003007897756			C
RUGG-DOC JVS CARMETTA-ET	USA 140500332			C
RUGG-DOC MTOR CARMSHARIE-ET	840003007897764			C
RUGG-DOC NIAGRA CARMJO-ET	840003007897742			C
RUGG-DOC NIG CARMELISTIC-ET	840003007897748			C
RUGG-DOC OBSERVER CAYLOR-ET	840003007897737			C
RUGG-DOC OBSERVER CULIE-ET	840003007897733			C
RUGG-DOC OBSV CARMINDSAY-ET	840003007897761			C
RUGG-DOC PAUL CADENZA-ET	840003007897780			C
RUGG-DOC PAUL CHEYENNE-ET	840003007897784			C
RUGG-DOC PAUL CHRISTIAN-ET	840003007897785			C
RUGG-DOC ROBST CARMENSON-ET	840003007897771			C
RUGG-DOC ROBUST CARMUTH-ET	840003007897770			C
RUGG-DOC SHAMROCK ANNA	840003007897787	C		
RUGG-DOC SHOTTLE CARBOOZIE	840003007897763			C
RUGG-DOC SNCHZ CARENA-ET	USA 140388909			C
RUGG-DOC SUPER GWEN-ET	USA 140670527		C	
RUGG-DOC TIME CATRINA-ET	USA 140666142			C
RUGG-DOC TOTAL OUTCROSS-ET	840003007897791	C		
RUPLAND MAC BETH-ET	USA 138919887		C	
RUPLAND MICHAEL BOSSIE	USA 65697867		C	
S-D-E OUTSIDE JOY	USA 136773508		C	
S-S-I AVERY 6038	USA 71129113			C
S-S-I AVERY EMILY 7672-ET	840003008897685			C
S-S-I AVERY EMMA 7671-ET	840003008897684			C
S-S-I AVERY ENGLAND 7683-ET	840003008897696			C
S-S-I AVERY MEDDZ 7629-ET	840003008897642			C

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
S-S-I AVERY MISSOURI7638-ET	840003008897651			C
S-S-I AVERY SHANNON 7641-ET	840003008897654		C	C
S-S-I BOOKEM MANNY 7202-ET	840003007701857			C
S-S-I BRONCO LYRIC	USA 141087931			C
S-S-I BURTON SHEEN 7551-ET	840003008897564		C	
S-S-I COBRA MADELYN 7619-ET	840003008897632			C
S-S-I COBRA SHEPARD 7731-ET	840003008897744			C
S-S-I COBRA SIMPSON 7719-ET	840003008897732			C
S-S-I COBRA SUNDOWN 7715-ET	840003008897728			C
S-S-I DITTO SELMA 7738-ET	840003008897751		C	
S-S-I DITTO SHOOP 7744-ET	840003008897757		C	
S-S-I FRANZ FRENCHY 7921-ET	840003009554444	C		
S-S-I FRANZ NEO 7924-ET	840003009554447	C		
S-S-I GARROLD MORT 7923-ET	840003009554446			C
S-S-I GARROLD MYLA 7926-ET	840003009554449			C
S-S-I KRAMER ADAM 7658-ET	840003008897671			C
S-S-I KRAMER MARLOW 7707-ET	840003008897720			C
S-S-I KRAMER MCKAY 7706-ET	840003008897719			C
S-S-I LES SUGARBERRY7143-ET	840003004672753	C		
S-S-I LES SUGARMAPLE7142-ET	840003004672752	C		
S-S-I MINOS MYRTLE 7359-ET	840003008328757			C
S-S-I MINOS WYOME 7090-ET	840003004672700			C
S-S-I MUDD SPRINKLE 7046-ET	840003006972821	C		
S-S-I OSTYLE ASIA 7854-ET	840003009554377			C
S-S-I OSTYLE NELLY 7762-ET	840003008897775			C
S-S-I OSTYLE NIKO 7752-ET	840003008897765			C
S-S-I OSTYLE POUNCE 7702-ET	840003008897715			C
S-S-I OSTYLE PUFFS 7705-ET	840003008897718			C
S-S-I OSTYLE TONYA 7728-ET	840003008897741			C
S-S-I ROBUST MALI 7097-ET	840003004672707			C
S-S-I ROSS BOSTON 7210-ET	840003007701865			C
S-S-I ROSS LOUISA 7144-ET	840003004672754			C
S-S-I SHAMROCK SHEBA7691-ET	840003008897704		C	
S-S-I SNOW MALENA 7514-ET	840003008328912			C
S-S-I SNOW PETERS 7681-ET	840003008897694			C
S-S-I SNOWMAN DELLA 7747-ET	840003008897760			C
S-S-I SNOWMAN MERCI 7398-ET	840003008328796			C
S-S-I SNOWMAN MOM 7794-ET	840003008897807			C
S-S-I SNOWMAN MOM 7796-ET	840003008897809			C
S-S-I SNOWMAN MOM 7810-ET	840003008897823			C
S-S-I SNOWMAN PASTA 7664-ET	840003008897677			C
S-S-I SNOWMAN REDELL7556-ET	840003008897569			C
S-S-I TONIC MOJO	840003007677876		C	
S-S-I ZBW LIGHTNING BUG	USA 70071560		C	
SABOFARM-CL BOSSIR ADV BETH	USA 62892111	C		

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Name	Registration	HH1	HH2	HH3
SALEM-DG MILLION SHAMROCK	USA 140530294		C	
SANDER EMORY LEXIE	USA 132169949			C
SANDLICK BRAXTON COOKIE	USA 70801631	C		C
SANDLICK BRAXTON LOLLIPOP	USA 70801651		C	
SANDY-VALLEY ALLY BAILEY-ET	USA 64833377		C	
SANDY-VALLEY B MOONLITE-ETS	USA 64833274		C	
SANDY-VALLEY BLTN DENALI-ET	USA 64833252	C		
SANDY-VALLEY BLV GAZELLE-ET	USA 64833341	C		
SANDY-VALLEY BOGART DOT-ET	USA 69701605		C	
SANDY-VALLEY BOLTON 3832-ET	USA 66454643			C
SANDY-VALLEY COL WHISPER-ET	USA 64833347		C	
SANDY-VALLEY COLB BLANCO-ET	USA 64833339		C	
SANDY-VALLEY COLB WILLOW-ET	USA 64833348		C	
SANDY-VALLEY GLORIA-ET	USA 64833244	C		
SANDY-VALLEY GOLD DINERO-ET	USA 63114726	C		
SANDY-VALLEY LARS CLASSY-ET	USA 70811504		C	
SANDY-VALLEY MAC BECCA-ET	USA 64833315		C	
SANDY-VALLEY MAC GEM-ET	USA 64833465	C		
SANDY-VALLEY MILI PEPPER-ET	USA 66454870		C	
SANDY-VALLEY MILIN KAYLA-ET	USA 66454849		C	
SANDY-VALLEY MILIN KYLIE-ET	USA 66454854		C	
SANDY-VALLEY MILION BRYN-ET	USA 66454848		C	
SANDY-VALLEY MILL SAMARA-ET	USA 66454904		C	
SANDY-VALLEY MILL SUMMER-ET	USA 66454877		C	
SANDY-VALLEY MILLI PERKY-ET	USA 66454803		C	
SANDY-VALLEY MILLION KIP-ET	USA 66454856		C	
SANDY-VALLEY MILLN POLLY-ET	USA 66454866		C	
SANDY-VALLEY PLA SKYLARK-ET	USA 66454651	C		
SANDY-VALLEY ROSS ALAYNA	USA 69998465			C
SANDY-VALLEY ROUM GRETTA-ET	USA 64833400	C		
SANDY-VALLEY SANDY GWEN-ET	USA 66454775	C		
SANDY-VALLEY SBOX DEANNA-ET	USA 69701649		C	
SANDY-VALLEY SH SONGBIRD-ET	USA 62188976	C		
SANDY-VALLEY SNOWFLAKE-ET	USA 69998633			C
SAPPHIRE-SKY ATWOOD KATE-ET	USA 141514103		C	
SAPPHIRE-SKY ATWOOD KISS-ET	USA 141615279		C	
SAPPHIRE-SKY PNTC DESIRE	USA 139527236		C	
SAPPHIRE-SKY WIZARD DREAM	USA 136763211		C	
SAVAGE-LEIGH MILLION LUCILE	840003004778838		C	
SAVAGE-LEIGH P LILLYANN	840003004778827		C	
SAVAGE-LEIGH PLANET LEXA-ET	840003004778786	C		
SAXONY SHOTTLE CRISTINA-ET	USA 137424948	C		
SCHA-KETT PBL DANICA-RED-ET	USA 141064037		C	
SCHAULANE OUTSIDE BARBIE	USA 128775998		C	
SCHILLVIEW COLBY GUSSY-ET	USA 53744685		C	

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Name	Registration	HH1	HH2	HH3
SCHILLVIEW CROWN GIZADA-ET	USA 56528063			C
SCHILLVIEW K GENOLIS-ET	USA 56528048			C
SCHILLVIEW LARSON SHINER	USA 56528049	C	C	
SCHILLVIEW THRONE GREATLA	USA 53464318	C		
SCHULTZ SHOTTLE RENE CRI-ET	USA 62398784	C		
SCHUTTECREST O MAN DEANN	USA 62279326	C		
SCIENTIFIC DOLLY RAE-RED-ET	USA 139498910		C	
SCO-LO ROKEYROAD GOSTYLE	USA 141517777			C
SCOTTMORE DAMASCUS MARGO-ET	USA 68976024		C	
SCOTTMORE MILLION 1370-ET	USA 65898950		C	
SCOTTMORE MILLION K1373-ET	USA 65898953		C	
SEAGULL-BAY COLBY MAY-ET	USA 65751891		C	C
SEAGULL-BAY DOVER DARLA	USA 70640308		C	
SEAGULL-BAY LAURIE-RED-ET	USA 70640364		C	
SEAGULL-BAY MAY MAKAYLA-ET	USA 66372104			C
SEAGULL-BAY MAY MICHELLE-ET	USA 66372102			C
SEAGULL-BAY OMAN MAY	USA 61712733			C
SEAGULL-BAY SNOW DARLING-ET	USA 70640273			C
SEVEN-GEN FINLEY DILARA	USA 61027011	C		
SGD ALTAALLEGRO 8482	USA 62257003			C
SHACIR 6455-ET	DEU 1403576455		C	
SHADYCREST ROEBUCK ELLIE	USA 15169740	C		
SHANICE-ET	NLD 570437514			C
SHEEKNOLL O-S CUPCAKE-ET	USA 70287114			C
SHEEKNOLL O-STYLE DIXIE-ET	USA 70908096			C
SHEMA COLBY CAYLA-ET	USA 64465199		C	
SHEMA MAC RALONDA-ET	USA 64465149	C		
SHEMA MR BURNS CRYSTAL-ET	USA 64465143		C	
SHEMA SHOTTBOLT HANNAH	USA 69628188	C		
SHERLAND SUPER MELODY	USA 64794051	C		
SHILOH-USA CALIBER 7507	USA 70594151	C		
SHILOH-USA JIVES 7910	USA 70594554	C		
SHILOH-USA MOONSTYLE-ET	USA 71130607			C
SHINEY-ET	DEU 662733957	C		
SHOREMAR FORTUNE ALYSSA-ET	USA 62738492	C		
SHORESBROOK BOX OZZIE-ET	USA 141227469			C
SHOTTI 56-ET	DEU 350009368	C		
SIBERT BOGART STYLE	USA 66649702			C
SIBERT LAVANGUARD SYLVEY	USA 56491905	C		
SIEMERS ADRENALIN BOO 17612	USA 71104672			C
SIEMERS ADRENALIN GEMINI	USA 70784839		C	
SIEMERS ATWOOD BEYONCE	USA 70784758		C	
SIEMERS AVERY AVON 17420	USA 70785135			C
SIEMERS AVERY VIVAT 17351	USA 70785066			C
SIEMERS BOOKEM 17104	USA 70784819	C		

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Name	Registration	HH1	HH2	HH3
SIEMERS CLARK 17295	USA 70785010		C	
SIEMERS COBRA PREVUE	USA 71104743			C
SIEMERS COLBY GLOB 17170	USA 70784885		C	
SIEMERS COLBY HARPER-ET	USA 65960232		C	
SIEMERS EXPLODE 17057	USA 70784772		C	
SIEMERS GUTHRIE DELITEFUL	USA 70784886		C	
SIEMERS KRAMER JIPSE-ET	USA 70785047			C
SIEMERS KRAMER JIPSEE-ET	USA 70785048			C
SIEMERS KRUSADER 17528	USA 71104588	C		
SIEMERS KRUSADER MARI 17530	USA 71104590	C		
SIEMERS METEOR 17036	USA 70784751		C	C
SIEMERS MILL BOOTILIOUS-ET	USA 68667841		C	
SIEMERS MILL T-HIA-LYN-ET	USA 68667954		C	
SIEMERS MILLION BEYONCE-ET	USA 68667818		C	
SIEMERS MILLION ELITE-ET	USA 66734357		C	
SIEMERS MILLION ESSENCE-ET	USA 66734325		C	
SIEMERS OSMOND 17088	USA 70784803	C		
SIEMERS PALRMO DELICATE-ET	USA 70784722	C		
SIEMERS SNMAN CENTURIA-ET	USA 70408181			C
SIEMERS SOCRTS DELITE 12713	USA 66297941			C
SIEMERS SPEAR HIA-NALLA-ET	USA 68667694		C	
SILDAHL COLBY MILKY WAY-ET	USA 139453971			C
SILDAHL CROWN OF AFFECTION	USA 71274766			C
SILDAHL MILLION AIR-ET	USA 140147658		C	
SILDAHL-BA MILLION FROSTY	USA 140479368		C	
SKALSUMER PIETJE 736	NLD 420878290			C
SKY-BARK-BAY SHOTT ONYX 714	USA 68857096	C		
SKY-REACH CASSINO BAILEY-ET	USA 64498758		C	
SKY-REACH ENCINO BREE-ET	USA 64498686		C	
SKY-REACH PRENTICE BELINA	USA 64498753		C	
SKY-REACH SUPER BRETA-ET	USA 64498764		C	
SLO-TRAIN CLARK 1927	USA 141436379		C	
SLO-TRAIN CLARK 8261	USA 141436351		C	
SLO-TRAIN CLARK 8280	USA 141417161		C	
SLO-TRAIN FORTUNE 7030-ET	USA 138357142	C		
SLO-TRAIN SPECIAL 6137	USA 134519816		C	
SLO-TRAIN TRIGGER 8270	USA 141407539	C		
SLO-TRAIN TRIGGER 8300	USA 141444888			C
SMITHDEN ALLEN ALISON-ET	CAN 9406028	C		
SMITHDEN BOLTON ALEXANDRIA	CAN 9679305	C		
SMITHDEN GOLDWYN ALEXANDRA-ET	CAN 7669878	C		
SOARING-EAGLE OMAN PIPE	USA 135841305			C
SONRAY-ACRES OMN WYND TIME	840003007947328			C
SONRAY-ACRES SHT MARVL MYRT	840003007947336	C		
SPARKLE-STREAM OUTSIDE BARB	USA 60622981		C	

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Name	Registration	HH1	HH2	HH3
SPEEK-NJ CHRM DEBBIE RAE-ET	USA 70219298			C
SPEEK-NJ OST DIERDRA RAE-ET	USA 70219331			C
SPEEK-NJ SNOW DOTTIE RAE-ET	USA 70219301			C
SPOTLIGHT	DEU 1402815884			C
SPRING-LANE BWMARSH AMY-ET	USA 132929952	C		
SPRING-LAWN OSTY ZCLOUDB-ET	USA 70098470			C
SPRING-LAWN OSTY ZCLOUDC-ET	USA 70098472			C
SPRING-LAWN OSTY ZCLOUDD-ET	USA 70098474			C
SPRING-RUN SUPER 190	USA 66559054	C		
SPRING-RUN SUPER 194	USA 66559058	C		
SPRINGHILL-OH B JAMBOREE	USA 70697736			C
SPRINGHILL-OH D ALEESHA-ET	USA 70125281		C	
SPRINGHILL-OH ELEVEN A-ET	USA 70697737			C
SPRINGHILL-OH EMORY EXCEPT	USA 61536174			C
SPRINGHILL-OH HILL ASTRA-ET	USA 70697735			C
SPRINGHILL-OH ITALIA CAREY	USA 70697717	C		
SPRINGHILL-OH M ANNETTE-ET	USA 68781012			C
SPRINGHILL-OH M JESSICA-ET	USA 68781015		C	
SPRINGHILL-OH M JOANNA-ET	USA 68781018		C	
SPRINGHILL-OH M LOCKET-ET	USA 65439972			C
SPRINGHILL-OH M LUXURY-ET	USA 66012462			C
SPRINGHILL-OH OBSRVR RELISH	USA 70284489			C
SPRINGHILL-OH OMAN ANETT	USA 62660388			C
SPRINGHILL-OH OMAN LASSIE	USA 62389676			C
SPRINGHILL-OH OMAN RELIC	USA 61869680			C
SPRINGHILL-OH OMAN ROSABELL	USA 62126195			C
SPRINGHILL-OH OUT HANNAH-ET	USA 61692399		C	
SPRINGHILL-OH ROCK ARIANNE	USA 70697713			C
SPRINGHILL-OH WISDOMS WILLO	USA 70697750		C	
SPRINGWAY COOKIE CRUMBLES	USA 70582347			C
SPRINGWAY CURIOUS-ET	USA 70582343			C
SPRINGWAY CUTIE-ET	USA 68841771			C
SPRINGWAY FINLEY CLARISA-ET	USA 50840806	C		
SPRINGWAY OMAN COOKIE-ET	USA 50840837			C
SPRUCE-EDGE BUCK MANDYLYNN	USA 63265027			C
SPRUCE-HAVEN AVE DE13430-ET	USA 70609304			C
SPRUCE-HAVEN AVER D13392-ET	USA 70609266			C
SPRUCE-HAVEN AVER D13403-ET	USA 70609277			C
SPRUCE-HAVEN AVER D13408-ET	USA 70609282			C
SPRUCE-HAVEN BOWS D12988-ET	USA 69518324		C	
SPRUCE-HAVEN BOWS D12995-ET	USA 69518331		C	
SPRUCE-HAVEN BOWS D12998-ET	USA 69518334		C	
SPRUCE-HAVEN CHM 12903	USA 69518239			C
SPRUCE-HAVEN CHM BJ12763-ET	USA 69518099			C
SPRUCE-HAVEN DEST P12833-ET	USA 69518169			C

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Name	Registration	HH1	HH2	HH3
SPRUCE-HAVEN DEST P12835-ET	USA 69518171			C
SPRUCE-HAVEN FLCK D13375-ET	USA 70609249			C
SPRUCE-HAVEN FLCK D13387-ET	USA 70609261			C
SPRUCE-HAVEN FLCK D13388-ET	USA 70609262		C	
SPRUCE-HAVEN MILL W11802-ET	USA 66758559		C	C
SPRUCE-HAVEN MILL W11835-ET	USA 66758592		C	C
SPRUCE-HAVEN OST BS13385-ET	USA 70609259			C
SPRUCE-HAVEN PLN WN11695-ET	USA 66758452			C
SPRUCE-HAVEN PLN WN11702-ET	USA 66758459			C
SPRUCE-HAVEN ROLL A13258-ET	USA 70609132		C	
SPRUCE-HAVEN ROS BJ12545-ET	USA 69517881			C
SPRUCE-HAVEN ROS BJ12550-ET	USA 69517886			C
SPRUCE-HAVEN ROS BJ12559-ET	USA 69517895			C
SPRUCE-HAVEN ROS SX13010-ET	USA 70608884			C
SPRUCE-HAVEN ROSS SX12980	USA 69518316			C
SPRUCE-HAVEN SECURE A12791	USA 69518127		C	
SRD-LLC CAS OLIVIA CRI-ET	USA 68767219			C
SRD-LLC COLBY PRICEY	USA 60838373		C	
SRD-LLC OATMEAL CRI-ET	USA 66321136			C
SRF-ZBW DMS JACKIE-ET	USA 63950306		C	
SRP BOWSER ZO12748-ET	USA 69518084			C
SRP BOWSER ZO12757-ET	USA 69518093			C
SRP BOWSER ZO12780-ET	USA 69518116			C
SRP BOWSER ZO12781-ET	USA 69518117			C
SRP CIM ZO12649-ET	USA 69517985			C
SRP DORCY ZO12297-ET	USA 69517633			C
SRP DORCY ZO12314-ET	USA 69517650			C
SRP TIME ZO11924-ET	USA 66758681			C
SRP TIME ZO11945-ET	USA 66758702			C
ST GENOMICPRO DARLING-ET	USA 70867733			C
ST GENOMICPRO MAUI-ET	840003009730164			C
STAR-MAKER DORCY WINNA-ET	USA 70095554			C
STAR-ROCK OUTSIDE 2088	USA 61173284		C	
STATE-VIEW MILLION DAWN-ET	USA 140343513		C	
STE-PEN BAXTER WINONA-ET	USA 65664004			C
STE-PEN BOLIVER WINSONG	USA 65664018			C
STE-PEN PONTIAC WINAMORE-ET	USA 64750390			C
STE-PEN PONTIAC WINSOMOR-ET	USA 64750388			C
STE-PEN RUSSELL WANDA-ET	USA 69245105			C
STE-PEN RUSSELL WINTER-ET	USA 69245106			C
STE-PEN SHOTTLE WINSLOW-ET	USA 64750394			C
STOCKHAVEN GOLDWYN DAISY-ET	USA 68550888			C
STOCKHAVEN MARVELOUS DAR	USA 66835192	C		
STOCKHAVEN SHO IZZIE-ET	USA 66835150			C
STOCKHAVEN SHOTTLE DERI	USA 70612231			C

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Name	Registration	HH1	HH2	HH3
STOCKHAVEN SUPER 3994-ET	USA 70596036			C
STONE-FRONT OUTSIDE IRMA-ET	USA 62702916		C	
STONE-RAIL ACTIV ELUSIVE-ET	USA 66558684	C		
STONE-RAIL ACTIVE ELAPSE-ET	USA 66558685	C		
STONE-RAIL EXPLODE-ET	USA 70819124	C		C
STONE-RAIL IOTA ENRICA-ET	USA 69279734	C		
STONE-RAIL O-STYLE CANARY	USA 70819106			C
STONE-RAIL O-STYLE NORMA	USA 70819112			C
STONE-RAIL O-STYLE REBA-ET	USA 70819128			C
STONE-RAIL OSMOND ERTANA-ET	USA 69279743	C		
STONE-RAIL ROSS ELECTRA-ET	USA 69279755			C
STONE-RAIL ROSS ELIE-ET	USA 69279756			C
STONE-RAIL SHOT ELAINE-ET	USA 62952579	C		
STONEDEN MOM RED DAN-RED-ET	CAN 7697328		C	
STONEDEN MOM RED DRUM-RED-ET	CAN 7697330		C	
STONYKILL MAURICE 7684	USA 70317905	C		
STONYVALE O-STYLE JAYNA	USA 71028322			C
STOOTS O MAN 404	USA 63501551			C
STRAUSSDALE M OUTBURST-ET	USA 62775345	C		
STRAUSSDALE O-STYLE 1372	USA 70805710			C
STRAUSSDALE PALERMO 1374-ET	USA 70805712	C		
STRAUSSDALE PALERMO 1378-ET	USA 70805716	C		
STRAUSSDALE ROSS 1367-ET	USA 70805705			C
STROUT DURHAM FIG-ET	USA 61343339		C	
SUGAR-BREEZE EQU TEQUILA-ET	USA 70286147	C		
SUGAR-C BOLIVER REECE	USA 63145960	C		
SULLHRTFORD GERVASE 311-ET	USA 71141829			C
SULLY ARMSTEAD MARQUETTE-ET	USA 139853986			C
SULLY ARMSTEAD MIAMI-ET	USA 66185102			C
SULLY BOWSER 107-ET	USA 69951888			C
SULLY COLT-P 301-ET	USA 71141819			C
SULLY DIGGER MARLO	USA 56350312			C
SULLY DOMAIN KANSAS	USA 53453790			C
SULLY HART KARSTEN 11-ET	USA 68737236			C
SULLY HARTFORD CLARK 273-ET	USA 70371995		C	
SULLY HARTFORD CLARK 277-ET	USA 70371999		C	
SULLY HARTFORD SNWMN 283-ET	USA 70372005			C
SULLY HARTFORD SNWMN 284-ET	USA 70372006			C
SULLY HARTFORD SNWMN 285-ET	USA 70372007			C
SULLY HARTFORD SNWMN 286-ET	USA 70372008			C
SULLY MAC DELIGHT-ET	USA 139322608			C
SULLY MILLION OLYMPIA-ET	USA 53453719		C	
SULLY PLANET 935-ET	USA 66011396			C
SULLY SANDY 938	USA 66011399			C
SULLY SHOTTLE MAY-TW	USA 138218285			C

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Name	Registration	HH1	HH2	HH3
SUNDAY 15-ET	DEU 579858439	C		
SUNDAY ALH PRUDENCE-ET	NLD 324902417	C		
SUNNYLODGE M B LEONA-RED-ETS	CAN 9669673		C	
SUNSET-JLS MALLA-ET	USA 70948606		C	
SURE-VIEW MITEY TAMIKA-ET	USA 68650353			C
SWEET-PEAS DESTRY FALON-RED	USA 71118953		C	
SWEET-PEAS FELICITY-RED-ET	USA 65682026		C	
SYNERGY ALAN POLKA DOT	USA 70344787			C
SYNERGY ARMSTEAD CALICO-ET	USA 66394047	C		
SYNERGY ARMSTEAD CRICKET-ET	USA 66394043	C		
SYNERGY BOLIVER ALMOND	USA 65496457		C	
SYNERGY BOOKEM PIZAZZ	USA 70826965			C
SYNERGY BOWSER ALAINA	USA 70344822		C	
SYNERGY DORNE POPEYE-ET	USA 68518189			C
SYNERGY ELVIS NOVELLA	USA 70827020	C		
SYNERGY GREATEST MOCHA	USA 70826980		C	
SYNERGY MILLION JINGLES	USA 69095993	C	C	
SYNERGY O MAN CAMEL	USA 65496377			C
SYNERGY O MAN LACE	USA 62499273			C
SYNERGY PLANET BOLT	USA 68518183			C
SYNERGY PLANET POLKA-ET	USA 68518118			C
SYNERGY SAMOA CHIQUITA	USA 70827010			C
SYNERGY SPEARMINT MOJITO	USA 69095985		C	C
SYNERGY ZENITH PARROT-ET	USA 66394015			C
SYRYCZUK BOWSER LUCKY	USA 69564834	C		
SYRYCZUK MINOS MALLORY-ET	USA 70712278			C
SYRYCZUK MINOS TIARA-ET	USA 70712276			C
SYRYCZUK O-STYLE GENOA	USA 70712258			C
SYRYCZUK RED-OAK PERU	USA 70712221			C
SYRYCZUK SNOWMAN WONDER-ET	USA 70712266			C
T-C-G SHOTTLE MACARIA-ET	USA 66444188			C
T-HENDERSON TALENT 387	USA 63935304		C	
TAG-LANE 7366 PLANET 6418	USA 68977392			C
TAG-LANE 7866 MORRELL 6945	USA 70123505			C
TAG-LANE SHARKY 6462	USA 63151478	C		
TANDE MARION BRITNEY-ET	USA 62315105	C		
TEEMAR AFULL GALLON-ET	USA 70824866			C
TEEMAR ANGELINA-ET	USA 60467174			C
TEEMAR BOOKEN ALREADY-ET	USA 70824868			C
TEEMAR BOOKEN AUNT RITA-ET	USA 70824867			C
TEEMAR BOXER TIANNA-ET	USA 69780406			C
TEEMAR DESTRY AVALANCHE-ET	USA 71025132			C
TEEMAR DOBERMAN AIRWAY-ET	USA 70928883			C
TEEMAR DOMAIN ANGEL	USA 70720621			C
TEEMAR DOMAIN CANDID	USA 71311582			C

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Name	Registration	HH1	HH2	HH3
TEEMAR GREATEST ANTIQUE-ET	USA 71020776			C
TEEMAR HILL CAP-ET	USA 71088766			C
TEEMAR JANGO TANGO-ET	USA 66976370			C
TEEMAR JEEVES ALEXI-ET	USA 69337774			C
TEEMAR JEEVES COTTONEYE-ET	USA 69337775			C
TEEMAR LAWBOY ENCOUNTER	USA 69337776			C
TEEMAR MICHAEL COOL	USA 69337769			C
TEEMAR MILLION CATEYE-ET	USA 69039850		C	C
TEEMAR MILLION CATNAP-ET	USA 69039851			C
TEEMAR MILLION CATWALK-ET	USA 69039852		C	C
TEEMAR O MAN ALANA-ET	USA 139343005			C
TEEMAR O MAN ALBAN-ET	USA 139342947			C
TEEMAR O MAN ALLEY-ET	USA 139342956			C
TEEMAR O MAN BLUE	USA 63163454			C
TEEMAR O-MAN AIRTIME-ET	USA 137219948			C
TEEMAR OBSERVER ARRAY	USA 71025135			C
TEEMAR OMAN CHALK	USA 136963518			C
TEEMAR PLANET AIRCRAFT-ET	USA 69882403			C
TEEMAR PLANET AIRPORT-ET	USA 69882404			C
TEEMAR RAMO CHACHA-ET	USA 138640640			C
TEEMAR RAMO CHACHACHA-ET	USA 138757296			C
TEEMAR RAMOS AFFIRM	USA 138788029			C
TEEMAR ROBUST ACORN-ET	USA 70472421			C
TEEMAR SHAMROCK ADALYN-ET	USA 71065533			C
TEEMAR SHOTTLE ADMIRE	USA 68570028			C
TEEMAR SHOTTLE ALOFT-TW	USA 139831113			C
TEEMAR SHOTTLE ALOHA-TW	USA 139831122			C
TEEMAR SUPER AMBER-ET	USA 60467175			C
TEEMAR TIARA-ET	USA 69780407			C
TEL-SAL SAMANTHA-ET	USA 137788035			C
TELSTAR-W ABSOLUTE PETUNIA	USA 141390228		C	
TEN-PENNY MINT GENTEEL	USA 66198907			C
TEN-PENNY TIME MINT II-ET	USA 66198913		C	
TERRICK BRONCO DEWDROP-ET	USA 68956590			C
TERRICK EMORY RIBBON	USA 17227433	C		
TERRICK PLANET RICE	USA 68956586	C		
TEXEL BEAUTY MARY	NLD 435418210	C		
TEXEL BEAUTY ZOPHIA	NLD 492667019	C		
THE MILLION RACHEL-ET	USA 140155514			C
THE MILLION RANDI-ET	USA 140155505		C	
THE MILLION ROSIE-ET	USA 140155523		C	
TIGER-LILY BOOKEM JETTA	USA 70991399		C	
TIGER-LILY BURT 4330-ET	USA 62866243	C		
TIGER-LILY CT LAVA-P-RED-ET	USA 70991396	C		
TIGER-LILY CT LAVISH-RED-ET	USA 70991397	C		

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Name	Registration	HH1	HH2	HH3
TIGER-LILY REDLOU LIZA	USA 66670568	C		
TIGER-LILY SAVAGE LINDA	USA 69863070	C		
TIR AN O MAN NEBLINA	DNK 3001001493			C
TMK MAC SUPERFLY-ET	USA 69516139	C		
TMK MAN-O-MAN SUPERFAB-ET	USA 69516140	C		
TMK MILLION SUPERTRAMP-ET	USA 66132870	C		
TMK MORTY SHASTA	USA 61872054	C		
TMK PK JEEVES 5051-ET	USA 68997308	C		
TMK RUDY SUPERFREAK	USA 61872075	C		
TNT-G SPEAR CLARITY-ET	USA 140721205		C	
TNT-G SPEAR CRYSTAL-ET	USA 140734522		C	
TO-MAR DURHAM FLORAL-ET	USA 129409524	C		
TOLLENAARS NOVALIS DENISE	USA 127709468	C		
TOLLENAARS O MAN 3288-ET	USA 61809335	C		C
TOLLENAARS O MAN 3494	USA 61809541			C
TOLLENAARS OBSERVER 6949	840003007843969			C
TOM-ANNA CAMELOT 2430-ET	840003008524883	C		
TOM-ANNA CAMELOT 2440-ET	840003008524893	C		
TOONE-HILL B BLACKEYE 4637	USA 70653786			C
TOPPACRES PHIL G OLIVIA	USA 64361877			C
TOPPGLEN LEADER MARQUETTE	USA 129737324		C	
TRAC-KER BOLTON JUSTINE	USA 63496133	C		
TRAC-KER DOMAIN JUST YOU-ET	USA 68817925	C		
TRACE-VIEW SUPRISE-RED-ET	USA 71273015		C	
TRI-CAL KRAMR BRINA 3529-ET	USA 69937356			C
TRI-CAL KRAMR BRITT 3534-ET	USA 71206943			C
TRIFECTA ROSS SHINER	USA 69972236			C
TRIPOD-DE BOGART PATTY-ET	USA 69289103			C
TRUE-BLUE GOLDWYN 1571-ET	USA 62746176	C		
TRUE-BLUE HAYDEN 2564-ET	USA 69074148			C
TRULEA BOWSER BARB 7619-ET	USA 70429992	C		
TTM O-MAN LORRAINE	USA 66499601			C
TUI ALTAROSS MUFFIN-TW	USA 69093576			C
TUI CLARABELLE SPEARMINT	USA 69093544		C	
TULLANDO OMAN PRIDE	USA 62337978			C
TWIN-B-DAIRY CLARK BETH-ET	USA 66879968			C
TWIN-B-DAIRY MEG-MAN CHANEL	USA 64009209	C		
TYRBACH MILLION LUCY RAE-ET	USA 141295158		C	
TYRBACH PRONTO FIG-ET	USA 139993433	C		
U-OF-MINN C PLANET 4940	USA 66813955		C	C
U-OF-MINN W ADDISON SINEAD	USA 60162481	C		
U-OF-MINN W AENEAS NERIDA	USA 17362812			C
U-OF-MINN W AENEAS NORA	USA 17232277			C
U-OF-MINN W AMEL ROANNA	USA 125263379	C		
U-OF-MINN W BELLWOOD MAE	USA 17184331			C

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Name	Registration	HH1	HH2	HH3
U-OF-MINN W CLEDYWN KASSIE	USA 15464150			C
U-OF-MINN W DEMAND ROSABEL	USA 125263191	C		
U-OF-MINN W FPA HELEN	USA 14692415			C
U-OF-MINN W KEMPER KRIS	USA 15590851			C
U-OF-MINN W MANFRED RAYLENE	USA 125263342			C
U-OF-MINN W MEADOW NADETTE	USA 120330687	C		
U-OF-MINN W MEADOW ODESSA	USA 120330753	C		
U-OF-MINN W MEADOW POLLY	USA 120015403	C		
U-OF-MINN W PAPPY LACEY	USA 15911821	C		
U-OF-MINN W PAPPY MYRA	USA 17069489	C		
U-OF-MINN W SPACE PANTHEA	USA 120015748			C
U-OF-MINN W SPACE RHONWEN	USA 125262921	C		
U-OF-MINN W TRADITION FALLA	USA 14320160			C
U-OF-MINN W VALE HARRIET	USA 14692406			C
UECKER BEACON JOGIFT-ET	USA 68817952			C
UECKER DOMAIN JODESTINY-ET	USA 68817947			C
UECKER OMAN JODEE	USA 62273489			C
UECKER RAMOS JOBEAUTY-ET	USA 63496181			C
UFM-DUBS DIXIE LYN	USA 132425560	C		
UFM-DUBS ELLARA-ET	USA 62658264		C	
UFM-DUBS ELLBRAA-ET	USA 68863364			C
UFM-DUBS ELLE-ET	USA 62658262		C	
UFM-DUBS ELLOOF-ET	USA 62658253		C	
UFM-DUBS EMLYN-ET	USA 65780202		C	
UFM-DUBS LUCE AJ	USA 62253395	C		
UFM-DUBS MILLY-ET	USA 65780203		C	
UFM-DUBS SANDO-ET	USA 71146387			C
UFM-DUBS SPROKET SPACELEY	USA 135055685	C		
UFM-DUBS STYLEWYN-ET	USA 71146382			C
UMW DOMAIN PHOEBE-ET	USA 70448959	C		
UNITED-PRIDE GWN 3589-ET	USA 66244874			C
UNITED-PRIDE MAC 3666-ET	USA 66882093			C
UNITED-PRIDE MAC 3726-ET	USA 66882153			C
UNITED-PRIDE MATRIX 3705-ET	USA 66882132			C
UNITED-PRIDE MILLION 3792	USA 66882219		C	
UNITED-PRIDE O MAN 2329	USA 62233272			C
UNITED-PRIDE O MAN 2339	USA 62233282			C
UNITED-PRIDE O MAN 2770	USA 63058936			C
UNITED-PRIDE O-STYLE 5067	USA 70936405			C
UNITED-PRIDE SOSA 2007	USA 61792757			C
URSA-GRASS BRONCO MONIQUE	840003007819452			C
URSA-GRASS IOTA ECLAIRE	840003008849399			C
URSA-GRASS MAJESTIC CROWN	840003008849414	C		
URSA-GRASS O-STYLE ELBA-ET	840003008849386			C
URSA-GRASS O-STYLE ELMA-ET	840003008849383			C

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Name	Registration	HH1	HH2	HH3
URSA-GRASS O-STYLE ELVA-ET	840003008849388			C
URSA-GRASS O-STYLE ELZA-ET	840003008849390			C
VA BOGART 4397 WEASEL	USA 69545576			C
VA BRONCO 4114 VEGA	USA 69545551			C
VA BRONCO 4248 VONDA	USA 69545545			C
VA HAYDEN 4583 VALA	USA 69545517			C
VA OMAN LANAE	USA 137722747			C
VACHALE OUTSIDE ANAWOW-ET	CAN 100400317		C	
VALKIES PLANET EDRIC	USA 68711141			C
VALKIES RAMOS NEONO	USA 65249152			C
VALLEY-STAR DURHAM VERB	USA 138218865		C	
VALLEY-STAR OUTSID VICKI-TW	USA 134464479		C	
VANDYK-K ENCORE PATTIE-ET	USA 133361531		C	
VANDYK-S BOXER TRIXIE JO	USA 70250990		C	
VANDYK-S BRONCO MOUSEKETEER	USA 70250968			C
VANDYK-S DI MISCHIEVOUS-ET	USA 70757437		C	
VANDYK-S EXPLODE AU LEI-ET	USA 70978592			C
VANDYK-S EXPLODE AULANI-ET	USA 70978575			C
VANDYK-S SHOTTLE AUTRY-ET	USA 69612889			C
VANDYK-S SHOTTLE AUTUMN-ET	USA 69612890			C
VAR-BROS OMAN MARIA-ET	840003001044905			C
VEAZLAND FORMATION MISSA-ET	USA 17346766	C		
VEAZLAND MILLION MANDI-ET	USA 68539561		C	
VEAZLAND-DC BOOKEM DEB-ET	USA 70668094			C
VEENHUIZER ZADIA 20-ET	NLD 447956102	C		
VELTHUIS R SNOWMAN DEBUTANT-ET	CAN 11426906			C
VELTHUIS R SNOWMAN DELUXE-ET	CAN 11426896			C
VELTHUIS SNOWMAN LORETTE-ETS	CAN 11294716			C
VER-HAGES SHAYLA 1040-ET	840003007816040		C	
VER-HAGES SHYLA 1041-ET	840003007816041		C	
VER-HAGES TNT SODA-RED-ET	840003007816046		C	
VER-HAGES VV PEYTON-ET	840003004385568			C
VER-HAGES Z SHANELLE-ET	840003007816010		C	
VERN-MONT JETTIE 6601	USA 69944107			C
VERN-MONT PAUL 6602	USA 69944108			C
VG-APPL SHOTLE CONNIE-ET	USA 137785827	C		
VIDIA MRBURNS MELODIE-ET	CAN 104263071		C	
VIETHSONS SHOTTLE PEG PAT P	USA 66224347			C
VIEUXSAULE JUSTEPH B JAIMY-3T	CAN 106611704			C
VIEW-HOME DYNAMO 19058-2	USA 68591354			C
VIEW-HOME MELITA 13670-1	USA 62773402			C
VIEW-HOME TOY 19211-2-TW	USA 68591353		C	
VIR-CLAR 2866	USA 61717229			C
VIR-CLAR CAMRY 2472	USA 61118634		C	
VIR-CLAR O MAN 3441	USA 62561117			C

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Name	Registration	HH1	HH2	HH3
VISION-GEN BOLVR M13163-ET	USA 70609037		C	
VISION-GEN CAMARY M12982-ET	USA 69518318		C	
VISION-GEN CAMARY M12987-ET	USA 69518323		C	
VISION-GEN CAMARY M12994-ET	USA 69518330		C	
VISION-GEN MAC GILD-TW	840003001667153		C	
VISION-GEN MAC GILDA-TW	840003001667154		C	
VISION-GEN MANOMAN GILDIE	840003006227721		C	
VISION-GEN MICHAEL GETTY-ET	840003006227708		C	
VISION-GEN MICHAEL GILL-ET	840003006227704		C	
VISION-GEN MICHEL GERTIE-ET	840003006227710		C	
VISION-GEN MIL J11641-ETS	USA 66758398		C	
VISION-GEN MIL J11642-ETS	USA 66758399		C	
VISION-GEN MILL J11647-ET	USA 66758404		C	
VISION-GEN PEMBRK R12471-ET	USA 69517807			C
VISION-GEN PLANET M11856-ET	USA 66758613			C
VISION-GEN SH MIL M11146-ET	USA 66757903		C	
VISION-GEN SH MIL M11150-ET	USA 66757907		C	
VISION-GEN SH MIL M11151-ET	USA 66757908		C	
VISION-GEN SH MIL M11176-ET	USA 66757933		C	
VISION-GEN SH MIL M11188-ET	USA 66757945		C	
VISION-GEN SHF AS D12121-ET	USA 69517457		C	
VISION-GEN SHMRCK M13407-ET	USA 70609281			C
VISION-GEN SNOW GLOBE-ET	USA 69892625			C
VISION-PECK GLADYS CRI-ET	USA 62769128		C	
VISION-PECK GRETТА CRI-ET	USA 62769151		C	
VISTA-LC FRANZ 7849	840003004653917	C		
VISTA-LC SAMOA 7906	840003004653974			C
VPI BEACON 4092 WAWA	USA 69545588			C
VPI BRONCO 4592 VOLUSIA	USA 69545564			C
VTF BOGART 4438 TROOPER	USA 69545469			C
VTF BOGART 4534 WYNONA	USA 69545599			C
VTF BRONCO 4330 VANESSA	USA 69545536			C
VTF BRONCO 4418 WHISPER-TW	USA 69545594			C
VTF BRONCO 4422 VIVKI	USA 69545555			C
VTF BRONCO 4470 TYROD	USA 69545496			C
W-R-L BRONCO JODY 8275-ET	USA 69103418			C
W-R-L BRONCO KELLY 8292	USA 69103435			C
WA-DEL BOLTON SYLVIA-ET	USA 138995049			C
WA-DEL CHAIRMAN BETSY-ET	USA 141236353			C
WA-DEL CHAIRMAN BEVERLY-ET	USA 141236344			C
WA-DEL DH COLBY PAULA-ET	USA 139312544		C	
WA-DEL EMERSON MOLLY	USA 17114628			C
WA-DEL MAC SHERRY-ET	USA 138995067			C
WA-DEL RAMOS SHANIA-ET	USA 139101986			C
WA-DEL RAMOS STARLA-ET	USA 139583766			C

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Name	Registration	HH1	HH2	HH3
WA-DEL RC BLCKSTR MARTHA-ET	USA 13907649	C		
WA-DEL RICE JS HARMONY-ET	USA 138504580	C		
WA-DEL RICE OSCAR MARSHA-ET	USA 15325540	C		
WA-DEL ROSS BETHIA-ET	USA 140935820			C
WA-DEL ROSS BIANCA-ET	USA 140935866			C
WA-DEL SNOWMAN BRITNEY-ET	USA 141430010			C
WA-DEL-DH MILLION PHOEBE-ET	USA 140189069		C	
WABASH-WAY MILLION JEZEBEL	USA 69087695		C	
WABASH-WAY PBRK ECHO-RED-ET	USA 69710374			C
WAKE-UP SHAMROCK ANIKA-ET	USA 70234798		C	
WALHOWDON BOLIVER OCALA-ET	USA 64360895			C
WALHOWDON MARION NIMBLE	USA 62422722			C
WANTA-DC BELLWOOD ROXIE	USA 15971649	C		
WARGO-ACRES MAGAN-ET	USA 70096158			C
WARGO-ACRES MINK	USA 71025532			C
WARGO-N-JD PIT DOMINIQUE	USA 71025524		C	
WATERMOLEN PRINCESS GOLD-ET	NLD 440705381		C	
WAUPUN BRETT 3315	USA 70405798		C	
WAUPUN BRITT 3026	USA 69287706			C
WAUPUN BRITT 3032	USA 69287712	C		
WAUPUN CARUSO 3275	USA 70405758			C
WAUPUN CARUSO 3310	USA 70405793			C
WAUPUN CARUSO 3314	USA 70405797			C
WAUPUN CARUSO 3320	USA 70405803			C
WAUPUN DEANN 3036	USA 69287716			C
WAUPUN DURABLE 3311	USA 70405794		C	
WAUPUN REECE 2994	USA 68788969			C
WAUPUN REECE 2998	USA 68788973			C
WAUPUN ZEEK 3014	USA 69287694	C		C
WAY-OK DOMAIN PRECIOUS-ET	USA 68580769	C		
WEA-LAND SAVAGE HOPE-RED-ET	USA 141634964	C		
WEAVERLINE FINLEY 733-ET	USA 61706496	C		
WEBB-VUE DOMAIN REESE-ET	USA 70383828			C
WEBB-VUE DOMAIN RHONDA-ET	USA 70383837			C
WEBB-VUE JUSTICE MONTANA	USA 62032026			C
WEBB-VUE MILLION JOHANNE	USA 70383765		C	
WEBB-VUE PLANET ATHZIRI	USA 69860529			C
WEBB-VUE PLANET KHAILA	USA 69334939			C
WEBB-VUE SHAMROCK HEIDY-ET	USA 70925728			C
WEBB-VUE SHAMROCK KAYLA-ET	USA 70383802			C
WEBB-VUE SHAMROCK KEYLA-ET	USA 70383781			C
WEeping-HOLLOW BAX 4916-ET	USA 64836745			C
WEeping-HOLLOW BXTR 5737-ET	USA 66555230			C
WEeping-HOLLOW HOSEA 4749	USA 63685622	C		
WEeping-HOLLOW LSHARE 6076	USA 66870937	C		

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Name	Registration	HH1	HH2	HH3
WEeping-HOLLOW MORTY 3972	USA 61762892	C		
WEeping-HOLLOW OMAN 4097	USA 61916241			C
WEeping-HOLLOW OMAN 4871	USA 64836700			C
WEIGELINE O-MAN ATHENS	USA 61744045			C
WEIGELINE O-MAN VIVA	USA 61998538			C
WEIGELINE O-STYLE 1766	USA 69120794			C
WEIGELINE O-STYLE 1780	USA 69120808			C
WEIGELINE O-STYLE 1908	USA 70579522			C
WEIGELINE ROSS 1243	USA 63740147			C
WEIGELINE SNOWMAN 1905-ET	USA 70579519			C
WEIGELINE SNOWMAN 1911-ET	USA 70579525			C
WEIGELINE SNOWMAN 1922-ET	USA 70579536			C
WEIGELINE SUPER 1762	USA 69120790		C	
WELCOME BOGART GRAEME-ET	840003007076579			C
WELCOME BOLIVER LIZ	840003002918839			C
WELCOME BRONCO CERISE-ET	840003007677666	C		C
WELCOME BRONCO PERNELLE-ET	840003007677637			C
WELCOME CHAIRMAN DOLLY	840003007677773			C
WELCOME COLBY LEN	840003004008035		C	
WELCOME DORNE SEXY	840003006227687			C
WELCOME DURABLE PEOT-RED-ET	840003007677864		C	
WELCOME GARRETT CORTEZ-ET	840003007677667	C		
WELCOME GERARD GLENNA-ET	840003007677812		C	
WELCOME GOLDWYN SUZANNE-ET	USA 62851397			C
WELCOME HAYDEN COOPER-ET	840003006227773			C
WELCOME IOTA GIGI-ET	840003007677846		C	
WELCOME IOTA GILDRA-ET	840003007677767		C	
WELCOME IOTA GILDRAE-ET	840003007677841		C	
WELCOME IOTA GINGER-ET	840003007677847		C	
WELCOME KRAMER GREETA-ET	840003009276049			C
WELCOME KRAMER PAULINE	840003009276088			C
WELCOME MILLION PEPITA-ET	840003006227735		C	
WELCOME MILLION PETRINA-ET	840003006227676		C	
WELCOME MILLION PETULA-ET	840003006227675		C	
WELCOME O-STYLE GWENI-ET	840003009276126			C
WELCOME O-STYLE LANE-ET	840003007677907			C
WELCOME O-STYLE LONA-ET	840003007677822			C
WELCOME O-STYLE LORNA-ET	840003007677830			C
WELCOME O-STYLE LYNX-ET	840003007677909			C
WELCOME O-STYLE PENOSH-ET	840003009276080			C
WELCOME OBSERV CORAL-ET	840003007677669	C		
WELCOME OMAN ERIN	USA 62024000			C
WELCOME OSTYLE LENA-ET	840003007677914			C
WELCOME OSTYLE PHYLIS-ET	840003007677920			C
WELCOME PALERMO GIZEO-ET	840003007677840	C		

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
WELCOME PALERMO PHELAN-ET	840003007677719	C		
WELCOME PAPPY WANDA	USA 15550448	C		
WELCOME PEMBROKE PENOSH	840003007076601			C
WELCOME PEMBROKE PHILLY-RED	840003007076602			C
WELCOME R2 GORDIE	840003009276139	C		
WELCOME ROSS GRANDI	840003007677676			C
WELCOME ROSS PAULA-ET	840003007677649			C
WELCOME ROSS PAULETTE-ET	840003007677654			C
WELCOME SNOWMAN GILDA-ET	840003009276078			C
WELCOME SNOWMAN GUSSIE-ET	840003007677885			C
WELCOME SNOWMAN GUSTAVE-ET	840003007677888			C
WELCOME SNOWMAN GWENNIE-ET	840003007677892			C
WELCOME SNOWMAN PETRA-ET	840003009276053			C
WELCOME SNOWMAN PETULA-ET	840003009276058			C
WELCOME SNOWMAN PRYDAL-ET	840003007677849			C
WELCOME SNOWMN GWENDOLYN-ET	840003007677895			C
WELCOME SPEARMINT PETULA-ET	840003007076537		C	
WELCOME SSI O PENYA 5945-ET	USA 70119646			C
WELCOME SUPER CASEY-ET	840003007677665	C		
WELCOME TOY STORY SCENE-TW	USA 63082492			C
WELCOME WATSON BABYMOB	840003009276060			C
WELCOME-TEL ROSS SHERIE-ET	840003007677686			C
WELCOME-TEL ROSS STACIA-ET	840003007677682			C
WESSELCREST CHRMAN AMBER-ET	USA 70512185			C
WESSELCREST DENALI ASTER	USA 69954021		C	
WEST-HOPE ARMSTEAD GINA-ET	USA 68698185			C
WEST-HOPE BAXTER GLITZ-ET	USA 66736774			C
WEST-HOPE LEE IVORY-ET	USA 51719110	C		
WEST-HOPE MARION 549	USA 64785932	C		
WEST-HOPE MILLION GIGI-ET	USA 68698202		C	
WEST-HOPE MILLION GLORY-ET	USA 68698198		C	C
WESTVALE-VU MILL BRIDGET-ET	840003005963177		C	
WHEY-STREET CASIMIR 3228	USA 65913821			C
WHISPER-O DAMASCS CLOVER-ET	USA 69012378		C	
WHITE-WISTLE DORCY 5005	USA 71312354	C		
WHITE-WISTLE SUPER 5003	USA 70335811	C		
WHITELEATHER GLDWYN 1330-ET	USA 66293252	C		
WHITELEATHER GLDWYN 1331-ET	USA 66293253	C		
WHITELEATHER GLDWYN 1332-ET	USA 66293254	C		
WHITELEATHER OBSERV 1871-ET	USA 70273333	C		
WHITELEATHER OBSERV 1873-ET	USA 70273335	C		
WHITELEATHER PLANET 1442-ET	USA 66831272	C		
WHITELEATHER TSTORY 1498-ET	USA 66831328	C		
WHITTAIL-VALLEY DIONE	USA 134774183		C	
WHITTAIL-VALLEY JT SM DANAE	USA 64957159		C	

**Female Carriers for Haplotypes Impacting Fertility on the Records of
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Name	Registration	HH1	HH2	HH3
WHITTAIL-VALLEY O SAVANA-ET	USA 62009127	C		C
WHITTIER-FARMS A RAMONA-ET	USA 141027452		C	
WHITTIER-FARMS DAMAS ZIP-ET	USA 141269834		C	
WHITTIER-FARMS HE REBECA-ET	USA 137985544		C	
WHITTIER-FARMS HE REGAL-ET	USA 137985562		C	
WHITTIER-FARMS M RACHANA-ET	USA 140376665		C	
WHITTIER-FARMS RUGRAT-TW	USA 141423409		C	
WILL-O-CREST LADY GAGA-ET	USA 69708430		C	
WILL-O-CREST OFFROAD GALINA	USA 63592006		C	
WILL-O-CREST PL GALIANI-ET	USA 69040883		C	
WILL-O-CREST PLNET GAYLA-ET	USA 69708548		C	
WILL-O-WEST DURHAM RAE	USA 62795724			C
WILLOLEA STORMY BOXER	USA 141251147		C	
WILLOW-MARSH-CC GLEEM-ET	USA 62461949	C		
WILLOW-TERRACE CL GEISHA-ET	USA 129946159		C	
WILLOWS-EDGE MILL LIZA-ET	USA 140746389		C	
WILLOWS-EDGE TERRASON KIT	USA 134721493	C		
WILLSEY M BURNS JENNIFER-RED	CAN 9751313		C	
WILRA HAYDEN 962	USA 68516988			C
WILRA HAYDEN 985	USA 68517011			C
WILRA MILLION 978-ET	USA 68517004		C	
WILRA MILLION 992-ET	USA 68517018		C	
WIN-IT PLANET WINK-ET	USA 68664571			C
WIND-D-ACRES COMET-P-ET	USA 70714267			C
WIND-D-ACRES MILLY-P-ET	USA 61310348		C	
WIND-D-ACRES MIRACLE-P-ET	USA 61310372			C
WIND-D-ACRES REFORM-P-ET	USA 61310354			C
WIND-D-ACRES SLUSHY SPUR-P	USA 70714274			C
WINDEX TIME LITCHFIELD-ET	USA 69501198		C	
WINDLEWAY MRBURN PANDORA-ET	USA 63942849		C	
WINDROSE FORMATION RENAE	USA 121277583			C
WINDSOR-LEASE VIOLET-RED-ET	USA 69997978			C
WINDSOR-MANOR MAC Z MARTINI	USA 65226153	C		
WINDSOR-MANOR Z OLIVIA-ET	USA 135722077			C
WINDSOR-MANOR ZNACHO-ET	USA 69998061			C
WINDSOR-MANOR ZO BOBBI	USA 65226115			C
WINDSOR-MANOR ZO MARLENE-ET	USA 68610847		C	C
WINDSOR-MANOR ZO PARIS-ET	USA 65226203			C
WINDSOR-MANOR ZO PETUNIA-ET	USA 65226204			C
WINDSOR-MANOR ZO PLENTY-ET	USA 65226179			C
WINDSOR-MANOR ZOE CRI-ET	USA 61376433			C
WINDSWEPT GRATITUDE-ET	USA 140171103		C	
WINDY-KNOLL-VIEW F PIZAZ-ET	USA 139447389	C		
WINDY-KNOLL-VIEW PANINI-ET	USA 65480461		C	
WINDY-KNOLL-VIEW PIANO-ET	USA 70312785		C	

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Name	Registration	HH1	HH2	HH3
WINDY-KNOLL-VIEW PINA-ET	USA 70312789		C	
WINDY-KNOLL-VIEW PLEDGE-ET	USA 132816010		C	
WINDY-KNOLL-VIEW PRAIRIE-ET	USA 137033425		C	
WINDY-KNOLL-VIEW PROTOTYPE	USA 65480445		C	
WINDY-KNOLL-VIEW VISION	USA 66383434		C	
WINNING-WAY MALLORY-ET	USA 139575873			C
WINNING-WAY MARCI-ET	USA 130677626	C		
WINNING-WAY MATTIE	USA 139480906			C
WINNING-WAY MAUVE CRI-ET	USA 66321076			C
WINROSS ELAND ECHO	USA 132654689		C	
WINTERFIELD SHOTTLE JILK-ET	USA 141375304			C
WINTERLANCE BOGART GISELLE	USA 69088869			C
WINTERLANCE CHRMAN LEAH-ET	USA 69088875			C
WINTERLANCE CHRMAN TANIS-ET	USA 69088878			C
WINTERLANCE MINT NYSSA-ET	USA 69088865		C	
WIRTLAND BOLIVER TAMI	USA 66616524	C		
WIRTLAND SHOTTLE TINA-ET	USA 66616521	C		
WISHING 4 ROBUST BRITNEY-ET	USA 69036029		C	
WISHING 4 SHAMROCK BECCA-ET	USA 70295436		C	
WISHING 4 SNOWMAN BONNIE-ET	USA 70295264			C
WISHING 4 SNOWMAN BUNNY-ET	USA 70295266			C
WOODCREST ATLANTIC VANITY	840003009531843		C	
WOODCREST BOOKEM BRENDA-ET	840003009998714		C	
WOODCREST BRIGHT 5862	USA 63066184			C
WOODCREST CAMELOT DEEDEE	840003009998727			C
WOODCREST EXPLODE BRODIE-ET	840003008992444		C	
WOODCREST GABOR 21503	840003009531824		C	
WOODCREST GLDCHP HAVELOT-ET	840003009532256		C	
WOODCREST GLDCHP SYLABUS-ET	840003009532258		C	
WOODCREST MILLION ALLAYNA	840003009531991		C	
WOODCREST SHAMRCK HAVANA-ET	840003009532285		C	
WOODCREST SHAMRK SYLVANA-ET	840003009532308		C	
WOODCREST SHAMRK SYNTHIA-ET	840003009998747		C	
WOODCREST SHMROCK HARBOR-ET	840003009998748		C	
WOODCREST TIME DEBRA	840003009532139			C
WOODCREST TIME MARA	840003008992696			C
WOODCREST TIME SYBIL-ET	840003008992485		C	
WOODVALE FLASHY HETAL	USA 68564707			C
WOODVALE FOBES IMENA-ET	USA 68564836			C
WOODVALE FOBES IVETE-ET	USA 70329314			C
WOODVALE FOBES JAC-E-ET	USA 70329402			C
WOODVALE FOBES JACKLYN	USA 70329406			C
WOODVALE POLLY FLO	USA 64786590			C
WOODVALE POLLY JAELYN	USA 70329410			C
WOODVALE POLLY JAIMEY-ET	USA 70329405			C

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Name	Registration	HH1	HH2	HH3
WORMONT CASSINO LUCKY	USA 68882347			C
WORMONT OMAN LISA	USA 62801446			C
WORMONT PLANET LYNNIE	USA 69599564		C	
WORMONT SPEARMINT BREATH	USA 68882300		C	
WORMONT SPEARMINT REMMIE-ET	USA 68882328		C	
WORMONT ZENITH HONEY	USA 64908925			C
XENA 186-ET	DEU 534348160			C
ZAHBULLS BOXER ALOE-ET	USA 70229222		C	
ZAHBULLS ROSS GONZO-ET	USA 69551537			C
ZANDENBURG BOGART EBONY	NLD 535767801			C
ZANDENBURG BOLIVER CARLEY	NLD 494965636			C
ZANDENBURG HAYDEN FABIOLA	NLD 717368266			C
ZANDENBURG O MAN CARLY	NLD 415758716			C
ZANDENBURG ORCHIDEE	NLD 535767957			C
ZBW BRONCO LEXUS	USA 70071543			C
ZBW-JP BOGART LOOK-TW	USA 70071546			C
ZDISLAVICE OMAN	CZE 117675921			C
ZIGGY-VIEW DURHAM RAQUEL	USA 52406727	C		
ZIMMERACRES BOGART DARLA-ET	USA 140435571			C
ZIMMERACRES BOGART DUSTY-ET	USA 140435599			C
ZIMMERACRES BOGRT DORCAS-ET	USA 140435580			C
ZIMMERACRES M-O-F DILLY-ET	USA 141367037			C