

# Run For A Million – Pedigree Analysis

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**Dr. Chantal Spleiss – August 2019**

This pedigree analysis covers the horses that participated at the Run For A Million ([www.trfam.com](http://www.trfam.com)) in Las Vegas in August 2019.

This pedigree analysis only looks into patterns: the top-bottom pattern and the inside-out pattern. This concept was used by Federico Tesio and allowed him to become one of the most successful breeders of Thoroughbred race horses of all times! Breeding good horses certainly goes beyond patterns, but the importance of patterns is shown over and over again in the top horses across disciplines!

Patterns are not just nice to look at; they actually are powerful due to the evolutionary selection pathways. These pathways are gender-specific. In my book published in January 2019 I not only explain why Darwin was right when he postulated almost 150 years ago that the variability in males is higher than in females (what also was proven mathematically in 2017) but never explained, but also why this leads to gender-specific selection pathways and why they play such an important role in horse breeding.

You find more information about the book at MagicMatchGenetics: [www.MagicMatchGenetics.com](http://www.MagicMatchGenetics.com).

## RESULTS

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### Show #16312: Million Dollar Invitational (08/17/2019)

#### 100. NRHA 13100: Million Dollar Invitational - Shown: 12

Money	Place	Back#	Horse's Name	Rider's Name	Score	Owner's Name
\$307500.00	1T	2	Custom Made Gun	Cade McCutcheon	229.50	Maria Cecilia Fiorucci
\$307500.00	1T	8	No Smoking Required	Craig Schmersal	229.50	Wranglen Partnership
\$75000.00	3	7	Platinum Vintage	Andrea Fappani	229.00	Silver Spurs Equine, LLC
\$65000.00	4	1	Spooks Gotta Spark	Shawn Florida	228.00	Gaynia Ravenberg
\$60000.00	5	5	A Vintage Smoke	Jason Vanlandingham	226.50	Diane Mesmer
\$50000.00	6	10	Gotta Twist It Up	Abby Lengel	225.00	Sandra Bentien
\$35000.00	7	11	Gunna Cash Ya	Tom McCutcheon	224.00	Gunna Cash Ya Partners
\$30000.00	8	9	Gunnarickashay	Casey Deary	223.50	Jody L & Jolan Puno
\$25000.00	9	4	Dun It For Whizkey	Franco Bertolani	222.00	Cardinal Hill Training Center,
\$15000.00	10	12	ARC Gunnabeabigstar	Jordan Larson	217.50	HDC Quarter Horses
\$15000.00	11	6	Ruf Lil Magnum	Duane Latimer	214.50	Silver Spurs Equine,
\$15000.00	12	3	Chic Dreamin	Matt Mills	214.00	Silver Spurs Equine, LLC

Source: [www.trfam.com/results.html#/](http://www.trfam.com/results.html#/)

## Results and Lifetime Earnings:

Here the placing in the Run For A Million is compared with the rider's Lifetime Earnings. Please note: the money earned at the Run For A Million does not count towards Lifetime Earnings of the rider or the horse (NRHA Category 13).

Draw	Rider	Earnings	Score	Total
2	Cade McCutcheon	\$611,521.51	229.5	229.5
8	Craig Schmersal	\$4,161,870.13	229.5	229.5
7	Andrea Fappani	\$5,515,436.55	229	229
1	Shawn Florida	\$6,239,965.95	228	228
5	Jason Vanlandingham	\$1,899,805.34	226.5	226.5
10	Abby Lengel	\$238,686.62	225	225
11	Tom McCutcheon	\$1,854,559.63	224	224
9	Casey Deary	\$1,851,333.00	223.5	223.5
4	Franco Bertolani	\$1,177,951.48	222	222
12	Jordan Larson	\$2,593,351.14	217.5	217.5
6	Duane Latimer	\$2,472,581.60	214.5	214.5
3	Matt Mills	\$924,023.21	214	214

Source: [www.wittelsbuenger.de/nrha/2019/1000000-usd-invitational-reining.htm](http://www.wittelsbuenger.de/nrha/2019/1000000-usd-invitational-reining.htm)

# PEDIGREES

## Custom Made Gun

<b>CUSTOM MADE GUN</b> (i) pal 2011 QUARTER HORSE AQHA# APHA# for a...	<b>COLONELS SMOKING GUN</b> (i) ch 14.2 1993 QUARTER HORSE #4472679	<b>COLONELFOURFRECKLE</b> (i) sor 1979 QUARTER HORSE #1538845	<b>COLONEL FRECKLES</b> (i) sor 1973 QUARTER HORSE #0911585	<b>JEWELS LEO BARS</b> (i) sor 1962	<b>SUGAR BARS</b> (i) LEO PAN (i)	
			<b>MISS SOLANO</b> (i) sor 1975 QUARTER HORSE #1088366	<b>DOCS SOLANO</b> (i) sor 1971	<b>CHRISTY JAY</b> (i) sor 1967	<b>REY JAY</b> (i) CHRISTY CAROL (i)
		<b>KATIE GUN</b> (i) b 1987 QUARTER HORSE #2791728	<b>JOHN GUN</b> (i) sor 1981 QUARTER HORSE #1747331	<b>ONE GUN</b> (i) sor 1973	<b>MR GUN SMOKE</b> (i) MISS SEVENTY ONE (i)	
			<b>BUENO KATIE</b> (i) b 1971 QUARTER HORSE #0789106	<b>ALEDO BUENO BAR</b> (i) dun 1962	<b>BANK NIGHT KATE</b> (i) b 1967	<b>MUI BUENOS SUE</b> (i) KING KATE (i)
		<b>CUSTOM MADE DUNIT</b> (i) buck 2005 QUARTER HORSE AQHA# 4705888	<b>HOLLYWOOD DUN IT</b> (i) buck dun 14.1 1983 QUARTER HORSE #2086591	<b>HOLLYWOOD JAC 86</b> (i) pal dun 14.3 1967 QUARTER HORSE #0592185	<b>EASTER KING</b> (i) sor 1951	<b>KING</b> (i) GOCHA H (i)
				<b>BLOSSOM BERRY</b> (i) b 1975 QUARTER HORSE AQHA #1081922	<b>DUN BERRY</b> (i) gr buck 1961	<b>REGINA BELLA</b> (i) gr pal 1967
	<b>CUSTOM RED BERRY</b> (i) ch ro 1996 QUARTER HORSE AQHA# 3505674		<b>CUSTOM CROME</b> (i) dk ch 1990 QUARTER HORSE #2902596	<b>CROME PLATED JAC</b> (i) sor 1980	<b>HOLLYWOOD JAC 86</b> (i) MISS DOLL PINE (i)	
			<b>OTTER RUN TERRI</b> (i) pal ro 1980 QUARTER HORSE AQHA # 1644210	<b>ANOTHER GREYHOUND</b> (i) ch 1982	<b>DUN BERRY</b> (i) gr buck 1961	<b>GREYHOUND STEP</b> (i) APRIL KING CODY (i)
	<b>REGINA BELLA</b> (i) gr pal 1967		<b>DUN BERRY</b> (i) gr buck 1961	<b>REGINA BELLA</b> (i) gr pal 1967	<b>JOHN BERRY</b> (i) FISHS STREAK (i)	
	<b>REGINA BELLA</b> (i) gr pal 1967		<b>REGINA BELLA</b> (i) gr pal 1967	<b>REGINA BELLA</b> (i) gr pal 1967	<b>MR TRES BARS</b> (i) TINA REGINA (i)	

Custom Made Gun does not have an overall pattern but the so called Rasmussen factor on the dam's side. The Rasmussen factor is in-breeding to a major broodmare – or in this example to full sisters. Genetically it is a very strong tool to use full siblings!

8 Generation Inbreeding Coefficient: 0.91

Top 3 – Cross Dubs: King, Zantanon, Three Bars



# Platinum Vintage

<b>PLATINUM VINTAGE</b> pal 5 panel N/N 2010 QUARTER HORSE AQHA#5318689	<b>A SPARKLING VINTAGE</b> b 1997 QUARTER HORSE AQHA# 3540165	<b>SHINING SPARK</b> pal 14.3 1989 QUARTER HORSE #2810420	<b>GENUINE DOC</b> sor 14.3 1977 QUARTER HORSE #1295706	<b>DOC BAR</b> ch 14.2 1956 QUARTER HORSE #0076135	<b>LIGHTNING BAR</b> sor 1951	<b>THREE BARS</b> DELLA P TEXAS DANDY BAR MAID F
			<b>DIAMONDS SPARKLE</b> pal 15.2 1974 QUARTER HORSE #1004317	<b>GAY BARS GEN</b> sor 1962 QUARTER HORSE #0194627	<b>GAY BAR KING</b> sor 1958	<b>THREE BARS</b> GAY WIDOW EL REBO KING SANDPIPER
			<b>PEPPY SAN BADGER</b> sor 14.3 1974 QUARTER HORSE #1089924	<b>MR DIAMOND DUDE</b> ch 1968 QUARTER HORSE #0539866	<b>BLONDYS DUDE</b> sor 1957	<b>SMALL TOWN DUDE</b> BLONDY QUEEN DAWSONS GARY DOLLY KAPER
			<b>TARIS VINTAGE</b> b 1984 QUARTER HORSE #2405901	<b>POLLYANNA ROSE</b> pal dun 1968 QUARTER HORSE #0560292	<b>CLABBER QUESTION</b> pal dun 1964	<b>CLABBER BAR</b> FOOLISH QUESTION BERT BARTON SMOKYS TAFFY
			<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>MR SAN PEPPY</b> sor 15.1 1968 QUARTER HORSE #0548845	<b>LEO SAN</b> sor 14.3 1949	<b>LEO</b> SAN SUE DARKS PEP UP BELLE BURNETT
			<b>MISS HOLLYWOOD</b> pal dun 1947 QUARTER HORSE #0020069	<b>SUGAR BADGER</b> sor 1959 QUARTER HORSE #0183512	<b>GREY BADGER III</b> gr 1947	<b>GREY BADGER II</b> MARY GREENOCK LUCKY JIM R J CLARK MARE
	<b>STARJAC MISS</b> pal 1992 QUARTER HORSE AQHA #3092251	<b>A GREAT STAR</b> ch 1980 QUARTER HORSE AQHA# 1843301	<b>EASTER KING</b> sor 1951 QUARTER HORSE #0040406	<b>DOCTARI</b> sor 1970 QUARTER HORSE #0683537	<b>DOC BAR</b> ch 14.2 1956	<b>LIGHTNING BAR</b> DANDY DOLL PURO TIVIO MATTARTE LUCK/LINDA
			<b>GOCHA H</b> b 1947 QUARTER HORSE #0018067	<b>MINNICKS GOLDIE</b> gr 1963 QUARTER HORSE #0283134	<b>LACYS BLUE GOLD</b> gr 1957	<b>BLUE GOLD</b> DIAMOND HANCOCK JIM MINNICK WAGGONERS SWEETHEART
			<b>MISS HOLLYWOOD</b> pal dun 1947 QUARTER HORSE #0020069	<b>KING</b> b 14.3 1932 QUARTER HORSE #0000234	<b>ZANTANON</b> ch 1917	<b>LITTLE JOE</b> JEANETTE 2 STRAIT HORSE BAY MARE
			<b>GREAT PINE</b> dk ch 1966 QUARTER HORSE #0410616	<b>HOLLYWOOD GOLD</b> pal dun 1940 QUARTER HORSE #0002220	<b>GOLD RUSH</b> pal 1936	<b>CALIENTE</b> SORREL MARE
			<b>BENNETT STAR BAR</b> sor 1962 QUARTER HORSE AQHA# 0233459	<b>MISS BUGGINS 86</b> ch 1943 QUARTER HORSE A0028454	<b>BUGGINS</b> b 1930	<b>BROWN BUD</b> BRENDA
			<b>STAR BANDERA</b> sor 1955 QUARTER HORSE #0064414	<b>POCO BRIGHT STAR</b> sor 15.2 1960 QUARTER HORSE #0124389	<b>POCO PINE</b> b 15.1 1954	<b>POCO BUENO</b> PRETTY ROSALIE
	<b>RIERS BETTY</b> sor 1957 QUARTER HORSE #0090125	<b>CHARLOTTE ANN</b> sor 1953	<b>PEPPYS PRIDE P</b> MISS CHARLOTTE			
	<b>BRIGHT BAR</b> br 15.2 1954 QUARTER HORSE #0058946	<b>TOWN CRIER</b> ch 1951	<b>BILL CODY</b> WATTS NIKI			
	<b>STAR BANDERA</b> sor 1955 QUARTER HORSE #0064414	<b>DANDY VAN</b> buck 1947	<b>BILLY VAN</b> LADY VAN 1			
		<b>THREE BARS</b> ch 15.3 1940	<b>PERCENTAGE</b> MYRTLE DEE			
		<b>MADDONS BRIGHT EYES</b> b 1946	<b>GOLD MOUNT</b> PLAUDETTE			
		<b>BANDERA HELTON</b> ch 1942	<b>KING</b> PARKS MARE			
		<b>ARIZONA STAR</b> gr 1937	<b>OKLAHOMA STAR</b> MARE BY OLD RED BUCK			

Platinum Vintage shows an overall top-bottom pattern to King that is reinforced through the top-bottom pattern to King on the sire's and dam's side.

8 Generation Inbreeding Coefficient: 1.18

Top 3 – Cross Dubs: King, Zantanon, Three Bars

# Spooks Gotta Spark

SPOOKS GOTTA SPARK buck 2013 QUARTER HORSE	SPOOKS GOTTA WHIZ b ov 15.0.2007 QUARTER HORSE #4954395	SPOOKS GOTTA GUN b 14.3.2002 QUARTER HORSE #4278968	GRAYS STARLIGHT sor 14.2.1984 QUARTER HORSE #2405900	PEPPY SAN BADGER sor 14.3.1974 QUARTER HORSE #1089924	MR SAN PEPPY sor 15.1.1968	LEO SAN		
			KATIE GUN b 1987 QUARTER HORSE #2791728	DOCS STARLIGHT b 1968 QUARTER HORSE #0537189	SUGAR BADGER sor 1959	SUGAR BADGER III		
			PRETTYWHIZPRETTYDOES b 2002 QUARTER HORSE #4190078	TOPSAIL WHIZ ch 14.1.1987 QUARTER HORSE AQHA#2675816	JOHN GUN sor 1981 QUARTER HORSE #1747331	DOC BAR ch 14.2.1956	DOC BAR	LIGHTNING BAR
				BLONDE AT THE BAR buck 1991 QUARTER HORSE #2991930	BUENO KATIE b 1971 QUARTER HORSE #0789106	TASA TIVIO b 1958	TASA TIVIO	POCO TIVIO
					TOPSAIL CODY ch 1977 QUARTER HORSE #1275074	ONE GUN sor 1973	CEE BARS ECHOLS b 1966	CEE BARS
				SHINING SPARK pal 14.3.1989 QUARTER HORSE #2810420	GENUINE DOC sor 14.3.1977 QUARTER HORSE #1295706	JEANIE WHIZ BAR sor 1972 QUARTER HORSE AQHA#0842033	ALEDO BUENO BAR dun 1962	ALEDO BUENO BAR
	HOLLYWOOD JAC 86 pal dun 14.3.1967 QUARTER HORSE #0592185	BANK NIGHT KATE b 1967	JOE CODY sor 15.0.1952			BANK NIGHT KATE	BANK NIGHT BARS	
	DIAMONDS SPARKLE pal 15.2.1974 QUARTER HORSE #1004317	MR DIAMOND DUDE ch 1968 QUARTER HORSE #0539866	FLASHY STAR BAR sor 1967		DOC BAR LINDA ch 1967	DOC BAR LINDA	DOC BAR	
		POLLYANNA ROSE pal dun 1968 QUARTER HORSE #0560292	ILLIE BAR FLASH b 1982 QUARTER HORSE #1902965		CEE RED sor 1967	CEE RED	CEE BARS	
	FRECKLES PLAYBOY sor 15.1.1973 QUARTER HORSE #0911588	JEWELS LEO BARS sor 1962 QUARTER HORSE #0206037	BILLIE BAR blk 1968		JEANIE WHIZ ch 1968	JEANIE WHIZ	BILLYS WHIZZER	
		GAY JAY sor 1958 QUARTER HORSE #0143266	DOC BAR ch 14.2.1956 QUARTER HORSE #0076136		EASTER KING sor 1951	EASTER KING	KING	
	EUREKA LENA b 1980 QUARTER HORSE #1624956	DOC OLENA b 1967 QUARTER HORSE #0493297	LIGHTNING BAR sor 1951	MISS HOLLYWOOD pal dun 1947	MISS HOLLYWOOD	HOLLYWOOD GOLD		
	EUREKA BAR I b 1968 QUARTER HORSE #0573823	THREE BARS sor 1951	FLASHY STAR BAR sor 1967	FLASHY STAR BAR	FLASHY STAR BAR			
		DELTA P ch 1948	BILLIE BAR blk 1968	BILLIE BAR	EASY BILL			
		BAR MAID F b 1957	LADY TATER MCCUE blk 1968	LADY TATER MCCUE	LADY TATER MCCUE			
		SMALL TOWN DUDE sor 1957	DELTA P ch 1948	DELTA P	TEXAS DANDY			
		BLONDYS DUDE sor 1957	TEXAS DANDY ch 1948	TEXAS DANDY	TEXAS DANDY			
		DAWSONS GARY sor 1959	BAR MAID F b 1957	BAR MAID F	BAR MAID F			
		DOLLY RAPER sor 1959	SMALL TOWN DUDE sor 1957	SMALL TOWN DUDE	SMALL TOWN DUDE			
		FOOLISH QUESTION pal dun 1964	BLONDYS DUDE sor 1957	BLONDYS DUDE	BLONDYS DUDE			
		BERT BARTON sor 1964	MISS PATSY BLAKE sor 1959	MISS PATSY BLAKE	MISS PATSY BLAKE			
		SMOKYS TAFFY sor 1964	CLABBER QUESTION pal dun 1964	CLABBER QUESTION	CLABBER QUESTION			
		FRONTERA SUGAR sor 1951	IRENE VEE sor 1964	IRENE VEE	BERT BARTON			
		FRONTERA SUGAR sor 1951	SUGAR BARS sor 1951	SUGAR BARS	SMOKYS TAFFY			
		FRONTERA SUGAR sor 1951	LEO PAN sor 1950	LEO PAN	FRONTERA SUGAR			
		FRONTERA SUGAR sor 1951	REY JAY sor 1955	REY JAY	REY JAY			
		FRONTERA SUGAR sor 1951	GEORGIA CODY sor 1954	GEORGIA CODY	REY DEL RANCHO			
		FRONTERA SUGAR sor 1951	DOC BAR ch 14.2.1956	DOC BAR	CALANDRIA K			
		FRONTERA SUGAR sor 1951	POCO LENA b 1949	POCO LENA	SORGHUM BILL			
		FRONTERA SUGAR sor 1951	REED 3 BARS sor 1964	REED 3 BARS	W'S CHESTNUT			
		FRONTERA SUGAR sor 1951	BAYUREKA b 1961	BAYUREKA	LIGHTNING BAR			
		FRONTERA SUGAR sor 1951			DANDY DOLL			
		FRONTERA SUGAR sor 1951			POCO BUENO			
		FRONTERA SUGAR sor 1951			SHEILWIN			
		FRONTERA SUGAR sor 1951			SUGAR BARS			
		FRONTERA SUGAR sor 1951			CHILLY NITE			
		FRONTERA SUGAR sor 1951			LITTLE HUNKY			
		FRONTERA SUGAR sor 1951			SARGEEN			

Spooks Gotta Spark has an overall pattern to Three Bars that is reinforced on the dam's side through a top-bottom pattern to Doc Bar and also through the 2<sup>nd</sup> dam that shows a top-bottom pattern to Sugar Bars. On the sire's side is gender-balanced line-breeding to Cee Bars and the line-breeding to Doc Bar adds "filly factor".

8 Generation Inbreeding Coefficient: 1.95

Top 3 – Cross Dubs: Doc Bar, Three Bars, King

## A Vintage Smoke

<b>A VINTAGE SMOKE</b> blk 2015 QUARTER HORSE AQHA #5696651	<b>A SPARKLING VINTAGE</b> b 1997 QUARTER HORSE AQHA# 3540165	<b>SHINING SPARK</b> pal 14.3 1989 QUARTER HORSE #2810420	<b>GENUINE DOC</b> sor 14.3 1977 QUARTER HORSE #1295706	<b>DOC BAR</b> ch 14.2 1956 QUARTER HORSE #0076136	<b>LIGHTNING BAR</b> sor 1951	<b>THREE BARS</b> DELLA P TEXAS DANDY BAR MAID F THREE BARS GAY WIDOW EL REBO KING SANDPIPER				
			<b>DIAMONDS SPARKLE</b> pal 15.2 1974 QUARTER HORSE #1004317	<b>GAY BARS GEN</b> sor 1962 QUARTER HORSE #0194627	<b>PRINCESS PIPER</b> b 1957	<b>BLONDYS DUDE</b> sor 1957	<b>MISS PATSY BLAKE</b> sor 1959	<b>DOLLY RAPER</b> <b>CLABBER QUESTION</b> pal dun 1964	<b>FOOLISH QUESTION</b> <b>BERT BARTON</b> sor 1964	<b>SMOKYS TAFFY</b> <b>SMALL TOWN DUDE</b> BLONDY QUEEN DAWSONS GARY DOLLY RAPER
			<b>PEPPY SAN BADGER</b> sor 14.3 1974 QUARTER HORSE #1089924	<b>MR SAN PEPPY</b> sor 15.1 1968 QUARTER HORSE #0548845	<b>LEO SAN</b> sor 14.3 1949	<b>LEO SAN</b> sor 14.3 1949	<b>PEPPY BELLE</b> sor 15.0 1955	<b>PEP UP</b> BELLE BURNETT	<b>BELLE BURNETT</b> <b>GREY BADGER II</b> MARY GREENOCK	
			<b>TARIS VINTAGE</b> b 1984 QUARTER HORSE #2405901	<b>SUGAR BADGER</b> sor 1959 QUARTER HORSE #0183512	<b>GREY BADGER III</b> gr 1947	<b>SUGAR TOWNLEY</b> sor 1943	<b>DOC BAR</b> ch 14.2 1956	<b>DANDY DOLL</b> <b>PURO TIVIO</b> sor 1963	<b>MATTARTS LUCKYLINDA</b> <b>BLUE GOLD</b> DIAMOND HANCOCK	
			<b>MINNICKS GOLDIE</b> gr 1963 QUARTER HORSE #0283134	<b>DOC TARI</b> sor 1970 QUARTER HORSE #0683337	<b>LACYS BLUE GOLD</b> gr 1957	<b>SQUAW MINNICK</b> sor 1954	<b>DOC BAR</b> ch 14.2 1956	<b>PUROS LINDA</b> sor 1963	<b>MATTARTS LUCKYLINDA</b> <b>BLUE GOLD</b> DIAMOND HANCOCK	
			<b>MISS DUAL DOC</b> sor 1980 QUARTER HORSE #1615218	<b>MR SAN PEPPY</b> sor 15.1 1968 QUARTER HORSE #0548845	<b>LEO SAN</b> sor 14.3 1949	<b>PEPPY BELLE</b> sor 15.0 1955	<b>PEP UP</b> BELLE BURNETT	<b>BELLE BURNETT</b> <b>GREY BADGER II</b> MARY GREENOCK	<b>MARY GREENOCK</b> <b>LUCKY JIM</b> R J CLARK MARE	
	<b>MR GUN SMOKE</b> sor 15.1 1961 QUARTER HORSE #0157943	<b>SUGAR BADGER</b> sor 1959 QUARTER HORSE #0183512	<b>GREY BADGER III</b> gr 1947	<b>SUGAR TOWNLEY</b> sor 1943	<b>DOC BAR</b> ch 14.2 1956	<b>LIGHTNING BAR</b> DANDY DOLL	<b>LIGHTNING BAR</b> DANDY DOLL			
	<b>TIVIO BARGA</b> br 1975 QUARTER HORSE AQHA-1106890	<b>DOCS REMEDY</b> b 1973 QUARTER HORSE #0986607	<b>DOC BAR</b> ch 14.2 1956	<b>TERESA TIVIO</b> br 1954	<b>DOC BAR</b> ch 14.2 1956	<b>LIGHTNING BAR</b> DANDY DOLL	<b>DANDY DOLL</b> <b>CANNON BALL ST JOHN</b>			
	<b>POCO BUENO</b> br 1947 QUARTER HORSE #0017396	<b>RONDO LEO</b> sor 1957 QUARTER HORSE #0071789	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949	<b>MISS GUN SMOKE</b> br 1954	<b>SCUFFY</b> BOBBIE BURNS			
	<b>BARREDS GEORGIA</b> ch 1960 QUARTER HORSE AQHA-0188890	<b>KANSAS CINDY</b> sor 1958 QUARTER HORSE #0135175	<b>MISS GUN SMOKE</b> br 1954	<b>POCO BUENO</b> br 1947 QUARTER HORSE #0017396	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949			
		<b>POCO TIVIO</b> pal 1963 QUARTER HORSE #0276134	<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949			
			<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949			
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948	<b>KANSAS STAR</b> br 1949				
		<b>DOC BAR</b> ch 14.2 1956	<b>ST MARYS DREAM</b> pal 1955	<b>LEOS QUESTION</b> sor 1951	<b>WAR BIRD</b> b 1948					

## Gotta Twist It Up

<b>GOTTA TWIST IT UP</b> buck 2013 QUARTER HORSE #5589935	<b>SPOOKS GOTTA WHIZ</b> b ov 15.0 2007 QUARTER HORSE #4954395	<b>SPOOKS GOTTA GUN</b> b 14.3 2002 QUARTER HORSE #4278968	<b>GRAYS STARLIGHT</b> sor 14.2 1984 QUARTER HORSE #2405900	<b>PEPPY SAN BADGER</b> sor 14.3 1974 QUARTER HORSE #1089924	<b>MR SAN PEPPY</b> sor 15.1 1968	<b>LEO SAN</b>	
			<b>KATIE GUN</b> b 1987 QUARTER HORSE #2791728	<b>DOCS STARLIGHT</b> b 1968 QUARTER HORSE #0537189	<b>SUGAR BADGER</b> sor 1959	<b>PEPPY BELLE</b>	
		<b>PRETTY WHIZ PRETTYDOES</b> b 2002 QUARTER HORSE #4190078	<b>TOPSAIL WHIZ</b> ch 14.1 1987 QUARTER HORSE AQHA#2675816	<b>JOHN GUN</b> sor 1981 QUARTER HORSE #1747331	<b>DOC BAR</b> ch 14.2 1956	<b>MR GUN SMOKE</b>	<b>GREY BADGER III</b>
			<b>BLONDE AT THE BAR</b> buck 1991 QUARTER HORSE #2991930	<b>JEANIE WHIZ BAR</b> sor 1972 QUARTER HORSE AQHA#0842033	<b>BUENO KATIE</b> b 1971 QUARTER HORSE #0789106	<b>TASA TIVIO</b> b 1958	<b>CEE BARS ECHOLS</b> sor 1966
	<b>MAKE IT WITH A TWIST</b> pal 15.1 2002 QUARTER HORSE #4208259	<b>DUN IT WITH A TWIST</b> pal dun 14.3 1994 QUARTER HORSE AQHA#3342009	<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>TOPSAIL CODY</b> ch 1977 QUARTER HORSE #1275074	<b>ONE GUN</b> sor 1973	<b>MR GUN SMOKE</b>	
			<b>BLOSSOM BERRY</b> b 1975 QUARTER HORSE AQHA #1081922	<b>JEANIE WHIZ BAR</b> sor 1967 QUARTER HORSE AQHA#0842033	<b>ALEDO BUENO BAR</b> dun 1962	<b>DOC BAR LINDA</b> ch 1967	<b>CEE BARS</b>
		<b>PEPPY MINT TWIST</b> sor 1979 QUARTER HORSE AQHA#1456381	<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>MISS HOLLYWOOD</b> pal dun 1947	<b>FLASHY STAR BAR</b> sor 1967	<b>MR GUN SMOKE</b>
		<b>FRECKLES TWIST</b> sor 1966 QUARTER HORSE AQHA#0406284	<b>LEES HOLLY</b> dun 1964 QUARTER HORSE #0304605	<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>DUN BERRY</b> gr buck 1961	<b>BILLIE BAR</b> blk 1968	<b>FLASHY STAR BAR</b>
	<b>SR MISCHIEF MAKER</b> sor 1993 QUARTER HORSE #3168299	<b>HOLIDOC</b> dun 15.1ht, S-Panel N/N 1993 QUARTER HORSE AQHA#2110401	<b>DOC QUIXOTE</b> ch 15.0 1970 QUARTER HORSE #0698787	<b>REGINA BELLA</b> gr pal 1967	<b>BLISS HOLLYWOOD</b> pal dun 1947	<b>FLASHY STAR BAR</b>	
			<b>LEES HOLLY</b> dun 1964 QUARTER HORSE #0304605	<b>MR SAN PEPPY</b> sor 14.3 1974 QUARTER HORSE #1089924	<b>MISS HOLLYWOOD</b> pal dun 1947	<b>JOHN BERRY</b> gr buck 1961	<b>FLASHY STAR BAR</b>
		<b>DOCS OKIE QUIXOTE</b> sor 1980 QUARTER HORSE #1613457	<b>HOLLYWOOD WILMA</b> rd dun 14.2 1959	<b>DOC QUIXOTE</b> ch 15.0 1970 QUARTER HORSE #0698787	<b>JOSEPHINE ROPER</b> b 1961	<b>JOSEPHINE ROPER</b> b 1961	<b>FLASHY STAR BAR</b>
		<b>LENAS QUINTA</b> sor 1981 QUARTER HORSE #1705215	<b>JOSEPHINE ROPER</b> b 1961	<b>DOC QUIXOTE</b> ch 15.0 1970 QUARTER HORSE #0698787	<b>JIMMETTE TOO</b> sor 1972	<b>JOSEPHINE ROPER</b> b 1961	<b>FLASHY STAR BAR</b>

Gotta Twist It Up shows an inside-out pattern to Hollywood Jac 86 and a top-bottom pattern to King that is reinforced through the sire and the dam line.

8 Generation Inbreeding Coefficient: 3.03

Top 3 – Cross Dubs: Peppy San Bader, Hollywood Jac 86, Doc Bar



## Gunna Cash Ya

GUNNA CASH YA 2015 QUARTER HORSE	LIL JOE CASH ch 14.3 2008 QUARTER HORSE AQHA #5212024	NU CHEX TO CASH pal 15.0 1990 QUARTER HORSE #2897577	NU CASH sor 1984 QUARTER HORSE AQHA#2217292	COLONEL FRECKLES sor 1973 QUARTER HORSE #0911585	JEWELS LEO BARS sor 1962	SUGAR BARS LEO PAN																																	
			AMARILLA CHEX pal 1980 QUARTER HORSE AQHA#1672543	NU RENDITION b 1980 QUARTER HORSE AQHA#1589408	CHRISTY JAY sor 1967	REY JAY CHRISTY CAROL	DOC BAR TERESA TIVIO																																
			GRAYS STARLIGHT sor 14.2 1984 QUARTER HORSE #2405900	BUENO CHEX buck 15.1 1961 QUARTER HORSE #0161272	KING FRITZ b 1956	SUTHERLANDS MISS buck 1951	RADEL KING sor 1956	DOC BAR LAURIE sor 1964	MR SAN PEPPY sor 15.1 1968	SUGAR BADGER sor 1959	DOC BAR ch 14.2 1956	TASA TIVIO b 1958	ZAN PARR EXPRESS ch 15.3 1974	GAY BAR MOON sor 1969	FRECKLES PLAYBOY sor 15.1 1973	DRY DOT sor 1978	JEWELS LEO BARS SOR 1962	SUGAR BARS LEO PAN																					
		PLAY ZANA EXPRESS sor 1992 QUARTER HORSE AQHA# 3153097	PLAY DOT sor 1983 QUARTER HORSE AQHA# 2112582	PEPPY SAN BADGER sor 14.3 1974 QUARTER HORSE #1089924	DOCS STARLIGHT b 1968 QUARTER HORSE #0537189	DOC BAR ch 14.2 1956	TASA TIVIO b 1958	ZAN PARR BAR ch 15.3 1974	GAY BAR MOON sor 1969	FRECKLES PLAYBOY sor 15.1 1973	DRY DOT sor 1978	JEWELS LEO BARS SOR 1962	SUGAR BARS LEO PAN																										
		RS LILLY STARLIGHT ch 14.3 1999 QUARTER HORSE AQHA# 3798571	COLONELFOURFRECKLE sor 1979 QUARTER HORSE #1538845	MISS SOLANO sor 1975 QUARTER HORSE #1088366	JOHN GUN sor 1981 QUARTER HORSE #1747331	BUENO KATIE b 1971 QUARTER HORSE #0789106	SMART LITTLE LENA sor 13.3 1979 QUARTER HORSE #1565822	GAY SUGAR CHIC sor 1975 QUARTER HORSE #1103375	COUNTERPLAY sor 1963 QUARTER HORSE AQHA#0265798	MISS GOLD buck 1953 QUARTER HORSE #0046840	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948			
			COLONELS SMOKING GUN ch 14.2 1993 QUARTER HORSE #4472679	KATIE GUN b 1987 QUARTER HORSE #2791728	JOHN GUN sor 1981 QUARTER HORSE #1747331	BUENO KATIE b 1971 QUARTER HORSE #0789106	SMART LITTLE LENA sor 13.3 1979 QUARTER HORSE #1565822	GAY SUGAR CHIC sor 1975 QUARTER HORSE #1103375	COUNTERPLAY sor 1963 QUARTER HORSE AQHA#0265798	MISS GOLD buck 1953 QUARTER HORSE #0046840	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948			
	GUNNERS BLONDE CHIC pal 2010 QUARTER HORSE		CHIC IS BLONDE pal 1995 QUARTER HORSE 3440871	SMART CHIC OLENA sor 15.0 1985 QUARTER HORSE #2283074	BURNETT BLONDE pal 1974 QUARTER HORSE 1130318	MISS GOLD buck 1953 QUARTER HORSE #0046840	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940	MISS SUN HAT b 1948	DOC BAR b 1967	SMART PEPPY sor 1965	GAY BAR KING sor 1958	CHICY LITTLE b 1967	SUGAR BARS sor 1951	ROSA LEO sor 1953	HOLLYWOOD GOLD pal dun 1940

Gonna Cash Ya has a top-bottom and inside out pattern to Jewels Leo Bars (by Sugar Bars) that is reinforced through a top-bottom pattern to the ¾ brothers Colonel Freckles and Freckles Playboy on the sire side and the top-bottom pattern to Jewels Leo Bars and his ¾ brother Counterplay on the dam's side. This pedigree reinforces the Sugar Bars xx Leo genetics through different kin-bred stallions.

8 Generation Inbreeding Coefficient: 2.76

Top 3 – Cross Dubs: Colonel Freckles, Three Bars, Doc Bar (and King)

# GunnaRickashay

GUNNARICKASHAY 2015 QUARTER HORSE	GUNNATRASHYA sor 14.1 H 2006 QUARTER HORSE AQHA= 4912501	COLONELS SMOKING GUN ch 14.2 1993 QUARTER HORSE #4472679	COLONEL FRECKLES sor 1973 QUARTER HORSE #0911585	JEWELS LEO BARS sor 1962	SUGAR BARS LEO PAN						
			MISS SOLANO sor 1975 QUARTER HORSE #1088366	CHRISTY JAY sor 1967	REY JAY CHRISTY CAROL						
			JOHN GUN sor 1981 QUARTER HORSE #1747331	DOCS SOLANO sor 1971	DOC BAR SUSIES BAY						
			KATIE GUN b 1987 QUARTER HORSE #2791728	DORTHEA sor 1963	BLONDYS DUDE MARGARET C						
			BUENO KATIE b 1971 QUARTER HORSE #0789106	ONE GUN sor 1973	MR GUN SMOKE MISS SEVENTY ONE						
			BE AECH ENTERPRISE ch 1975 QUARTER HORSE #1344857	CEE BARS ECHOLS sor 1966	DORELLIE						
	NATRASHA sor sol 1993 QUARTER HORSE AQHA= 4655096 A...	MY ROYAL ENTERPRISE b 1986 QUARTER HORSE AQHA= 2534792	TRASHADEOUS ch ov 14.2 1987 QUARTER HORSE #00176429	MISS WHITE TRASH sor ov 1967 QUARTER HORSE #4485602	ALEDO BUENO BAR dun 1962	SQUAW LEO sor 1961	ENTERPRISE LADY blk 1965	MR GUN SMOKE sor 15.1 1961	LITTLE MISS HANK sor 1961	SQUAW KING VERONICAS JOY	
			BE AECH ENTERPRISE ch 1975 QUARTER HORSE #1344857	SQUAW LEO sor 1961	ENTERPRISE LADY blk 1965	RONDO LEO KANAS CINDY	MEDIAS HAND HANKS TWO SOX	SQUAW KING VERONICAS JOY	POCO ENTERPRISE blk 1965	SEC0 LADY	
			SNAPPY ROYAL b 1965 QUARTER HORSE AQHA= 0364753	SNAPS PABLO dun 1954	MARY CLEGG sor 1955	HOLLYWOOD SNAPPER 48 LITTLE GINGER H	ROYAL KING MARY BIG ENUF				
			MR SAN PEPPY sor 15.1 1968 QUARTER HORSE #0548845	LEO SAN sor 14.3 1949	PEPPY BELLE sor 15.0 1955	SAN SUE DARKS PEP UP	BELLE BURNETT GREY BADGER II				
			SUGAR BADGER sor 1959 QUARTER HORSE #0183512	GREY BADGER III gr 1947	SUGAR TOWNLEY sor 1943	MARY GREENOCK LUCKY JIM	R J CLARK MARE LIGHTNING BAR				
			DOC OLENA b 1967 QUARTER HORSE #0493297	DOC BAR ch 14.2 1956	POCO LENA b 1949	SHEILWIN HONEY WAGGONER	JUNE THOMAS				
RONDAS TIO sor 1992 QUARTER HORSE AQHA= 3083396	DOCS RONDA b 1979 QUARTER HORSE AQHA = 1482747	TENINOLENA BADGER sor 1988 QUARTER HORSE #2739454	ZANS COKE ch 1953 QUARTER HORSE AQHA # 0205027	COKE WAGGONER fo 1945	BERNARD MARE						
		PEPPY SAN BADGER sor 14.3 1974 QUARTER HORSE #1089924	DOCS DEE BAR sor 1963 QUARTER HORSE #0284177	DOC BAR ch 14.2 1956	LIGHTNING BAR DANDY DOLL	PURO TIVIO DOTTIE DEE					
		TENINOLENA ch 1972 QUARTER HORSE #0859009	RICKA TINA ch 1964 QUARTER HORSE #0304932	PANNA MARIA sor 1951	CUSTUS RASTUS MAME TAYLOR	KING PET TROUTMAN					
		DOCS RICKASHAY ch 15.1 1973 QUARTER HORSE #0953111	YUCCA MARION blk 1963 QUARTER HORSE #0307760	YUCCA KING blk 1953	R JOKING R HOBOS MONA	SAGE SKIPPER BLACK WACK					
		MISS YUCCA CEE blk 1972 QUARTER HORSE #0897169	WAVE SKIPPER br 1957	BALDY C sor 14.1 1945	KING CLEGG TRIANGLE LADY 27	POP CORN COLORADO 1					
		CINDY CEE blk 1958 QUARTER HORSE #0104339	POP CORNS BROWNIE br 1949								

GunnaRickashay doesn't have an overall pattern. His dam shows inside-out line-breeding to Doc Bar and his 2<sup>nd</sup> dam has a pattern to King. Gunnatrashya's dam is in-bred top-bottom to Be Aech Enterprise and his 2<sup>nd</sup> dam shows a top-bottom pattern to King that is reinforced through the pattern of GunnaRickashay 2<sup>nd</sup> dam. Gunnatrashya is gender-balanced line-bred to Mr Gun Smoke.

8 Generation Inbreeding Coefficient: 1.01

Top 3 – Cross Dubs: King, Doc Bar, Zantanon

## Dun It For Whiskey

DUN IT FOR WHISKEY gr 2013 QUARTER HORSE	TOPSAIL WHIZ ch 14.1 1987 QUARTER HORSE AQHA#2675816	TOPSAIL CODY ch 1977 QUARTER HORSE #1275074	JOE CODY sor 15.0 1952 QUARTER HORSE #0042543	BILL CODY sor 15.0 1944 QUARTER HORSE #0003244	WIMPY ch 1935	SOLIS PANDA													
			DOC BAR LINDA ch 1967 QUARTER HORSE #0519839	TABOO br 1943 QUARTER HORSE #0007073	PESETITA ch 1939	KING b 14.3 1932	OLD SORREL PESETA 1	ZANTANON JABALINA	BILLY BOWLEGS 1 PHELPS MARE 1										
		JEANIE WHIZ BAR sor 1972 QUARTER HORSE AQHA#0842033	JEANIE WHIZ ch 1968 QUARTER HORSE #0528207	CEE RED sor 1967 QUARTER HORSE #0493772	DOC BAR ch 14.2 1956 QUARTER HORSE #0076136	LIGHTNING BAR sor 1951	DANDY DOLL ch 1948	THREE BARS DELLA P	TEXAS DANDY BAR MAID F										
				MISS JO HOLLY sor 1961 QUARTER HORSE #0169153	BETTYS MOUNT b 1954 QUARTER HORSE #0047197	MUSIC MOUNT buck dun 1944	JOSITA sor 1945	GOLD MOUNT PANSY	JOE REED II LADIES MAID	PERCENTAGE MYRTLE DEE									
		DUN IT FOR CHEX gr 1996 QUARTER HORSE AQHA#3455289	HOLLYWOOD DUN IT buck dun 14.1 1983 QUARTER HORSE #2086591	HOLLYWOOD JAC 86 pal dun 14.3 1967 QUARTER HORSE #0592185	CEE BARS sor 15.1 1950 QUARTER HORSE #0032022	THREE BARS ch 15.3 1940	CHICARO ANNIE C sor 1946	GOLD RUSH TRIANGLE LADY 17	CHICARO BILL BOOTS C										
					BILLYS WHIZZER sor 1959 QUARTER HORSE #0118493	MISS JO KENNEY sor 1946	HOLLYWOOD GOLD pal dun 1940	MISS JO KENNEY blk 1946	JOE BARRETT JAMES KENNEY MARE	COTTON EYED JOE YELLOW WOLF MARE	BILLY THE KID M PATSY ANNE RAMSEY								
	SILVER N BLUE CHEX gr 1988 QUARTER HORSE 2777291	BLOSSOM BERRY b 1975 QUARTER HORSE AQHA #1081922	DUN BERRY gr buck 1961 QUARTER HORSE #0185456	JEANIE BUGLE sor 1962 QUARTER HORSE #0221954	LEOS BUGLER ch 1957	BEAUTY JANEEN b 1957	MR RODEO BEAUTY W	LEO BUGLE											
				REGINA BELLA gr pal 1967 QUARTER HORSE #0521044	MR TRES BARS sor 1963	TINA REGINA gr buck 1961	KING b 14.3 1932	ZANTANON JABALINA	QUATE JANE BY DARITY	GOLD RUSH TRIANGLE LADY 17									
		NUNES ENDORA CHEX buck 1981 QUARTER HORSE 1763411	BONNY KRAMER buck 1962 QUARTER HORSE AQHA-0204994	BUENO CHEX buck 15.1 1961 QUARTER HORSE #0161272	EASTER KING sor 1951 QUARTER HORSE #0040406	MISS HOLLYWOOD pal dun 1947 QUARTER HORSE #0020069	HOLLYWOOD GOLD pal dun 1940	MISS BUGGINS 86 ch 1943	JOHN BERRY gr 1951										
					DOC BAR sor 1963 QUARTER HORSE #0284177	ALLEN TROUBLES 2 ro 1964 QUARTER HORSE 373742	TROUBLESOME BO sor 1956	BLUE JOGIE gr 1957	FISHS STREAK pal ro 1958	MR TRES BARS sor 1963	TINA REGINA gr buck 1961	DOC BAR ch 14.2 1956	LURA TIVIO sor 1960	DOC BAR ch 14.2 1956	DANDY DOLL PURO TIVIO DOTTIE DEE	PARKERS TROUBLE BIG SQUAW L	BLUE CLAYTON JOGIE	POWER COMMAND POCO JANE	
		SILVER N BLUE CHEX gr 1988 QUARTER HORSE 2777291	NUNES ENDORA CHEX buck 1981 QUARTER HORSE 1763411	BONNY KRAMER buck 1962 QUARTER HORSE AQHA-0204994	DOC BAR sor 1963 QUARTER HORSE #0284177	ALLEN TROUBLES 2 ro 1964 QUARTER HORSE 373742	TROUBLESOME BO sor 1956	BLUE JOGIE gr 1957	KING FRITZ b 1956	SUTHERLANDS MISS buck 1951	THIRSTY JR sor 1956	BONNY HOWDY dun 1953	DOC BAR ch 14.2 1956	LURA TIVIO sor 1960	DOC BAR ch 14.2 1956	DANDY DOLL PURO TIVIO DOTTIE DEE	PARKERS TROUBLE BIG SQUAW L	BLUE CLAYTON JOGIE	POWER COMMAND POCO JANE
					BUENO CHEX buck 15.1 1961 QUARTER HORSE #0161272	BONNY KRAMER buck 1962 QUARTER HORSE AQHA-0204994	THIRSTY JR sor 1956	BONNY HOWDY dun 1953	DOC BAR ch 14.2 1956	LURA TIVIO sor 1960	DOC BAR ch 14.2 1956	DANDY DOLL PURO TIVIO DOTTIE DEE	PARKERS TROUBLE BIG SQUAW L	BLUE CLAYTON JOGIE	POWER COMMAND POCO JANE	JODIE THE TUFF TANGERINE W	LOU MILLIGAN BUCK HOWDY BUCKY J		

Dun It For Whiskey has an overall top-bottom pattern to King that is reinforced through a top-bottom pattern on his dam's side. He has gender-balanced line-breeding to Doc Bar.

8 Generation Inbreeding Coefficient: 1.40

Top 3 – Cross Dubs: Doc Bar, King, Three Bars

# ARC GunnaBeABigStar

<b>ARC GUNNABEABIGSTAR</b> (M) (I) pal 2011 QUARTER HORSE AQHA# 5386038	<b>GUNNATRASHYA</b> (M) (I) sor 14.1 H 2006 QUARTER HORSE AQHA# 4512501	<b>COLONELS SMOKING GUN</b> (M) (I) ch 14.2 1993 QUARTER HORSE #4472679	<b>COLONEL FRECKLES</b> (M) (I) sor 1973 QUARTER HORSE #0911585	<b>JEWELS LEO BARS</b> (M) (I) sor 1962 LEO PAN (M) (I) CHRISTY JAY (M) (I) sor 1967 CHRISTY CAROL (I)	<b>SUGAR BARS</b> (M) (I) LEO PAN (M) (I) REY JAY (M) (I) CHRISTY CAROL (I)
			<b>MISS SOLANO</b> (I) sor 1975 QUARTER HORSE #1088366	<b>DOCS SOLANO</b> (M) (I) sor 1971 DORTHEA (I) sor 1963	<b>DOC BAR</b> (M) (I) SUSIES BAY (M) (I) BLONDYS DUDE (M) (I) MARGARET C (I)
		<b>KATIE GUN</b> (M) (I) b 1987 QUARTER HORSE #2791728	<b>JOHN GUN</b> (I) sor 1981 QUARTER HORSE #1747331	<b>ONE GUN</b> (M) (I) sor 1973 CEE BARS ECHOLS (I) sor 1966	<b>MR GUN SMOKE</b> (M) (I) MISS SEVENTY ONE (I) CEE BARS (I) DORELLIE (I)
		<b>BUENO KATIE</b> (I) b 1971 QUARTER HORSE #0789106	<b>ALEDO BUENO BAR</b> (I) dun 1962 BANK NIGHT KATE (I) b 1967	<b>ALEDO BAR</b> (M) (I) MUI BUENOS SUE (I) BANK NIGHT BARS (I) KING KATE (I)	
		<b>TRASHADEOUS</b> (M) (I) ch ov 14.2 1987 QUARTER HORSE #00176429	<b>BE AECH ENTERPRISE</b> (M) (I) ch 1975 QUARTER HORSE #1344857	<b>SQUAW LEO</b> (I) sor 1961 ENTERPRISE LADY (I) blk 1965	<b>SQUAW KING</b> (I) VERONICAS JOY (I) POCO ENTERPRISE (M) (I) SECO LADY (I)
		<b>MISS WHITE TRASH</b> (M) (I) sor ov 1967 QUARTER HORSE #4485602	<b>MR GUN SMOKE</b> (M) (I) sor 1961 LITTLE MISS HANK (I) sor 1961	<b>RONDO LEO</b> (M) (I) KANSAS CINDY (I) MEDIAS HAND (I) HANKS TWO SOX (I)	
	<b>NATRASHA</b> (I) sor sol 1993 QUARTER HORSE AQHA# 4655096 A...	<b>BE AECH ENTERPRISE</b> (M) (I) ch 1975 QUARTER HORSE #1344857	<b>SQUAW LEO</b> (I) sor 1961 ENTERPRISE LADY (I) blk 1965	<b>SQUAW KING</b> (I) VERONICAS JOY (I) POCO ENTERPRISE (M) (I) SECO LADY (I)	
	<b>MY ROYAL ENTERPRISE</b> (I) b 1986 QUARTER HORSE AQHA# 2534792	<b>SNAPPY ROYAL</b> (I) b 1965 QUARTER HORSE AQHA# 0364753	<b>SNAPS PABLO</b> (I) dun 1954 MARY CLEGG (I) sor 1955	<b>HOLLYWOOD SNAPPER 48</b> (I) LITTLE GINGER H (I) ROYAL KING (I) MARY BIG ENUF (I)	
	<b>WIMPYS LITTLE CHIC</b> (M) (I) pal 2004 QUARTER HORSE AQHA# 4586819	<b>WIMPYS LITTLE STEP</b> (M) (I) pal GBED N/CB 1999 QUARTER HORSE AQHA#3863115	<b>NU CASH</b> (M) (I) sor 1984 QUARTER HORSE AQHA#2217292	<b>COLONEL FRECKLES</b> (M) (I) sor 1973 NU RENDITION (I) b 1980	<b>JEWELS LEO BARS</b> (M) (I) CHRISTY JAY (M) (I) NU BAR (M) (I) DOCS RENDITION (I)
			<b>AMARILLA CHEX</b> (I) pal 1980 QUARTER HORSE AQHA#1672543	<b>BUENO CHEX</b> (M) (I) buck 15.1 1961 KARLVE KING (I) sor 1972	<b>KING FRITZ</b> (M) (I) SUTHERLANDS MISS (M) (I) RADEL KING (I) DOC BAR LAURIE (I)
		<b>LEOLITA STEP</b> (I) ch 1989 QUARTER HORSE AQHA#2794026	<b>FORTY SEVEN</b> (I) sor 1964 QUARTER HORSE AQHA#0341045	<b>WIMPY LEO</b> (M) (I) sor 1960 LADY BEAVER 1 (I) b 1948	<b>LEO</b> (M) (I) AGGIE DEE MAC (M) (I) BEAVER CREEK (M) (I) LEO BLACKBURN III (I)
		<b>STEP LITE</b> (I) sor 1979 QUARTER HORSE AQHA#1770439	<b>SMART LITTLE LENA</b> (M) (I) sor 13.3 1979 QUARTER HORSE #1565822	<b>BIG STEP</b> (M) (I) sor 1956 BECKY BEE LEO (I) sor 1966	<b>PARKERS TROUBLE</b> (M) (I) LITTLE BIT L (I) BUMBLE BEE LEO (I) LEOS Y LADY (I)
<b>SMART CHIC OLENA</b> (M) (I) sor 15.0 1985 QUARTER HORSE #2283074		<b>GAY SUGAR CHIC</b> (I) sor 1975 QUARTER HORSE #1103375	<b>DOC OLENA</b> (M) (I) b 1967 SMART PEPPY (I) sor 1965	<b>DOC BAR</b> (M) (I) POCO LENA (M) (I) PEPPY SAN (M) (I) ROYAL SMART (I)	
<b>COLLENA CHIC OLENA</b> (I) sor 1995 QUARTER HORSE 3393337		<b>COLONEL FRECKLES</b> (M) (I) sor 1973 QUARTER HORSE #0911585	<b>GAY BAR KING</b> (M) (I) sor 1958 CHICY LITTLE (I) b 1967	<b>BAY SUGAR CHIC</b> (I) SUGAR BARS (M) (I) LEO PAN (M) (I) REY JAY (M) (I) CHRISTY CAROL (I)	
<b>COLLENA FRECKLES</b> (I) sor 1984 QUARTER HORSE AQHA# 2203918	<b>SAVO O LENA</b> (I) sor 1975 QUARTER HORSE AQHA# 1115516	<b>JEWELS LEO BARS</b> (M) (I) sor 1962 CHRISTY JAY (M) (I) sor 1967 DOC OLENA (M) (I) b 1967 SAVO (I) sor 1967	<b>DOC BAR</b> (M) (I) POCO LENA (M) (I) HELEO (I) DOVEY (I)		

ARC GunnaBeABigStar has a top-bottom pattern to Colonel Freckles that is reinforced through a top-bottom pattern to Colonel Freckles on his dam's side. His second dam shows a top-bottom pattern to Doc O Lena (by Doc Bar) which is reinforced through an overall top-bottom pattern to Doc Bar.

8 Generation Inbreeding Coefficient: 2.44

Top 3 – Cross Dubs: Colonel Freckles, King, Leo

# Ruf Lil Magnum

<b>RUF LIL MAGNUM</b> sor 2012 QUARTER HORSE AQHA#	<b>MAGNUM CHIC DREAM</b> sor 1996 QUARTER HORSE AQHA# 3450281	<b>SMART CHIC OLENA</b> sor 15.0 1985 QUARTER HORSE #2283074	<b>SMART LITTLE LENA</b> sor 13.3 1979 QUARTER HORSE #1565822	<b>DOC OLENA</b> b 1967 QUARTER HORSE #0493297	<b>DOC BAR</b> ch 14.2 1956	<b>LIGHTNING BAR</b> DANDY DOLL		
			<b>GAY SUGAR CHIC</b> sor 1975 QUARTER HORSE #1103375	<b>SMART PEPPY</b> sor 1965 QUARTER HORSE #0439891	<b>PEPPY SAN</b> sor 15.0 1959	<b>THREE BARS</b> ch 15.3 1940	<b>POCO BUENO</b> b 1949 SHELLWIN LEO SAN PEPPY BELLE ROYAL KING MOSS JACKIE TOBIN	
			<b>CHICY LITTLE</b> b 1967 QUARTER HORSE #0498233	<b>GAY BAR KING</b> sor 1958 QUARTER HORSE #0104000	<b>FRISCO</b> b 1945	<b>GAY WIDOW</b> sor 1950	PERCENTAGE MYRTLE DEE KING HAPPY GAL	
		<b>SAILIN BARBEE</b> sor 1989 QUARTER HORSE AQHA# 2833677	<b>TOPSAIL CODY</b> ch 1977 QUARTER HORSE #1275074	<b>JOE CODY</b> sor 15.0 1952 QUARTER HORSE #0042543	<b>BILL CODY</b> sor 15.0 1944	<b>FRISCO</b> b 1957	WIMPY PESETITA KING BILLIE BO	
			<b>MISS MISTIC BARBEE</b> sor 14.2 1971 QUARTER HORSE AQHA# 0746723	<b>DOC BAR LINDA</b> ch 1967 QUARTER HORSE #0519839	<b>DOC BAR</b> ch 14.2 1956	<b>BETTYS MOUNT</b> b 1954	LIGHTNING BAR DANDY DOLL MUSIC MOUNT JOSITA	
			<b>SCOOTERS FLORA</b> b 14.2 1964 QUARTER HORSE AQHA#	<b>MISTIC BAR</b> sor 1963 QUARTER HORSE #0288367	<b>GAY BAR KING</b> sor 1958	<b>MISTY CODY</b> sor 1956	THREE BARS GAY WIDOW BEN CODY SEQUOIAS BABE	
	<b>DUNIT A LIL RUF</b> ch 2007 QUARTER HORSE AQHA# 5080710	<b>LIL RUF PEPPY</b> sor 1991 QUARTER HORSE AQHA# 3022200	<b>MR SAN PEPPY</b> sor 15.1 1968 QUARTER HORSE #0548845	<b>LEO SAN</b> sor 14.3 1949	<b>LEO SAN</b> sor 14.3 1949	LEO SAN SUE DARKS PEP UP BELLE BURNETT		
			<b>SUGAR BADGER</b> sor 1959 QUARTER HORSE #0183512	<b>GREY BADGER III</b> gr 1947	<b>GREY BADGER II</b> MARY GREENOCK	LUCKY JIM R J CLARK MARE		
			<b>RUFAS PEPPY</b> sor 1976 QUARTER HORSE #1186944	<b>MR SAN PEPPY</b> sor 15.1 1968 QUARTER HORSE #0548845	<b>LEO SAN</b> sor 14.3 1949	<b>PEPPY BELLE</b> sor 15.0 1955	LEO SAN SUE DARKS PEP UP BELLE BURNETT	
		<b>A BUENO POCO DUNIT</b> pal 2001 QUARTER HORSE AQHA# 4086852	<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>SANTA RUFA</b> ch 1970 QUARTER HORSE AQHA # 0730641	<b>OTOE</b> sor 1960	<b>SANTA ANITA BABY</b> br 1950	SUGAR BARS JULEO HIRED HAND MENDIGA	
			<b>BLOSSOM BERRY</b> b 1975 QUARTER HORSE AQHA #1081922	<b>HOLLYWOOD DUN IT</b> buck dun 14.1 1983 QUARTER HORSE #2086591	<b>HOLLYWOOD JAC 86</b> pal dun 14.3 1967 QUARTER HORSE #0592185	<b>EASTER KING</b> sor 1951	<b>MISS HOLLYWOOD</b> pal dun 1947	KING GOCHA H HOLLYWOOD GOLD MISS BUGGINS 86
			<b>BONANZAS CHAMP</b> blk 1966 QUARTER HORSE #0416314	<b>DUN BERRY</b> gr buck 1961	<b>REGINA BELLA</b> gr pal 1967	<b>COYS BONANZA</b> sor 1959	<b>JOHN BERRY</b> FISHS STREAK MR TRES BARS TINA REGINA	
<b>POCO HILL QUEEN</b> ch 1963 QUARTER HORSE AQHA-0284153	<b>CHAMPS POCO GIRL</b> sor 1984 QUARTER HORSE AQHA# 2235697	<b>POCO IMPALA</b> b 1961	<b>POCO MITCH HILL</b> b 1957	<b>BLAZE SILVERTONE</b> sor 1958	JAGUAR SPARKY JOANN POCO CHAMP DAWSON BEAUTY POCO DELL MADAM HICKORY YELLOW DOG RED CURTIS			

Ruf Lil Magnum has an overall pattern to the full siblings Poco Lena and Poco Champ and he is gender-balanced line-bred to King. His broodmare sire is top-bottom in-bred to Mr San Peppy. His sire is gender-balanced line-bred to Gay Bar King.

8 Generation Inbreeding Coefficient: 1.13

Top 3 – Cross Dubs: King, Leo San, Peppy Belle



## STATISTICS

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### Linebreeding (TOP 3 – CROSS DUBS):

10/12 – Doc Bar

9/12 – King

2/12 – Colonel Freckles

2/12 – Peppy San Badger

### 8 Generation Inbreeding Coefficient:

Median: 1.70

Average: 2.06

### Patterns:

9/12 horses have an overall pattern. Of the 12 horses 4 sires showed a pattern and 9 dams showed a pattern.

## CONCLUSIONS

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Line-breeding to certain horses as a guarantee for success is highly unlikely. The line-breeding does not reflect though smart combination of certain lines.

The inbreeding coefficient of these top horses is rather low. That means that in-bred horses seem to have a decreased performance at this level of competition.

The importance of patterns is emphasized as 9 of 12 horses do have an overall pattern. The existence of a pattern on the dam side seems more crucial than on the sire side what is in accordance with the gender-specific selection pathways I explain in my book.