

SIRE LINE

SCAT DADDY

JOHANNESBURG

HENNESSY

A.P. INDY

71113

SEATTLE SLEW

111723

BOLD REASONING

71420**BROODMARE
SIRE LINE**



Generated on 01/27/21

	HENNESSY (Q)	STORM CAT
	JOHANNESBURG	ISLAND KITTY
	MYTH	OGYIAN
SCAT DADDY (B/C)		YARN
	MR. PROSPECTOR (B/C)	RAISE A NATIVE
LOVE STYLE		GOLD DIGGER
	LIKEABLE STYLE	NIJINSKY II
CARAVAGGIO (2014)		PERSONABLE LADY
	GREAT ABOVE	MINNESOTA MAC
HOLY BULL		TA WEE
	SHARON BROWN	AL HATTAB
MEKKO HOKTE		AGATHEA'S DAWN
	RELAUNCH (Q)	IN REALITY
AEROSILVER		FOGGY NOTE
	SILVER IN FLIGHT	SILVER SERIES
Prospective foal		WINTER WREN
	SEATTLE SLEW (B/C)	BOLD REASONING
A.P. INDY (I/C)		MY CHARMER
	WEEKEND SURPRISE	SECRETARIAT
MALIBU MOON		LASSIE DEAR
	MR. PROSPECTOR (B/C)	RAISE A NATIVE
MACOUMBA		GOLD DIGGER
	MAXIMOVA	GREEN DANCER
MALIBU ROAD (2007)		BARACALA
	NORTHERN DANCER (B/C)	NEARCTIC
DANZIG (I/C)		NATALMA
	PAS DE NOM	ADMIRAL'S VOYAGE
SMOLENSK		PETITIONER
	BLUSHING GROOM (B/C)	RED GOD
BLUSH WITH PRIDE		RUNAWAY BRIDE
	BEST IN SHOW	TRAFFIC JUDGE
		STOLEN HOUR

Sibling Identifier: odd numbers = same dam only; even numbers = same sire and dam

Roman Dosage Profile: (9-4-13-0-0)

D.I.: 3.00 C.D.: 0.85

Werk Quality Rating: Q 7

Dosage Points: 26 + Quality Points: 4 = Total Points: 30

5-Generation Inbreeding: MR. PROSPECTOR - 4f x 4f



HYPOTHETICAL: Caravaggio -- Malibu Road

Based on the cross of Scat Daddy and his sons/A.P. Indy and his sons and grandsons

B+
Variant = 2.16

Hypothetical Foal	Caravaggio, 14 gr/ro	Scat Daddy, 04 dk b/	Johannesburg, 99 b	Hennessy, 93 ch	Storm Cat, 83 dk b/ Island Kitty, 76 ch
				Myth, 93 b	Ogygian, 83 b Yarn, 87 dk b/
			Love Style, 99 ch	Mr. Prospector, 70 b	Raise a Native, 61 ch Gold Digger, 62 b
				Likeable Style, 90 b	Nijinsky II, 67 b Personable Lady, 81 b
				Holy Bull, 91 gr	Great Above, 72 dk b/
		Sharon Brown, 80 gr	Al Hattab, 66 ro Agathe's Dawn, 70 gr		
		Mekko Hokte, 00 gr/ro	Aerosilver, 92 gr	Relaunch, 76 gr	In Reality, 64 b Foggy Note, 65 gr
				Silver in Flight, 80 dk b/	Silver Series, 74 gr Winter Wren, 60 b
			A.P. Indy, 89 dk b/	Seattle Slew, 74 dk b/	Bold Reasoning, 68 dk b/ My Charmer, 69 b
				Weekend Surprise, 80 b	Secretariat, 70 ch Lassie Dear, 74 b
	Macoumba, 92 b			Mr. Prospector, 70 b	Raise a Native, 61 ch Gold Digger, 62 b
		Maximova (FR), 80 b	Green Dancer, 72 b Baracala, 72 ch		
	Malibu Road, 07 dk b/	Malibu Moon, 97 b	Danzig, 77 b	Northern Dancer, 61 b	Nearctic, 54 br Natalma, 57 b
				Pas de Nom, 68 dk b/	Admiral's Voyage, 59 dk b/ *Petitioner, 52 b
			Smolensk, 92 b	Blush With Pride, 79 ch	Blushing Groom (FR), 74 ch
		Best in Show, 65 ch			Traffic Judge, 52 ch Stolen Hour, 53 ch

Pedigree Statistics

Inbreeding Coefficient	2.62%	Pedigree Completeness	100.00%
Coefficient of Relatedness	3.73%	Unique Ancestors	909/2046
Ancestral History Coefficient	8.82		

Notes on terminology in this report: **Inbreeding Coefficient** measures the mating's degree of inbreeding to 10 generations using Wrights F measure. **Coefficient of Relatedness** measures the degree of relatedness between sire and dam to 10 generations. **Ancestral History Coefficient** counts the number of times that an allele has been identical by descent in an individual's pedigree, thus providing a comprehensive reflection of selection for favorable ancestors/traits over time. Individuals with higher AHC are more likely to contain larger proportions of alleles in their genomes that have been positively selected over many generations. **Pedigree Completeness** is the portion of the pedigree that is on file to 10 generations. **Unique Ancestors** is the number of Unique ancestors in the pedigree found to 10 generations. See more here www.truenicks.com/pedigreestatistics.htm

Pedigree and racing information provided by:



**HYPOTHETICAL: Caravaggio -- Malibu Road**

Based on the cross of Scat Daddy and his sons/A.P. Indy and his sons and grandsons

B+

Variant = 2.16

Starters Considered in Rated Cross		Auction Results - All Foals on Direct Sire/Broodmare Sire Cross				Surface Performance for Rated Cross			
Direct Sire/ Broodmare Sire Cross	-	Type	#Sold	Avg	Med	Type	Dirt	Turf	AW
Additional Starters on Rated Cross	79	Weanlings	-	-	-	Starters	66	61	16
Total Starters	79	Yearlings	1	\$77,342	\$77,342	Winners	31	34	4
		2YOs	-	-	-	SW	3	5	-

Sire		Broodmare Sire	
Sire Name	Caravaggio	Broodmare Sire Name	Malibu Moon
Sire AEI	-	Broodmare Sire AEI	1.25
Progeny AWD	-	Progeny AWD as BM Sire	6.88 f
Chief Earner	-	Chief Earner	Stellar Wind (\$2,903,200)

	All Foals Bred on Rated Cross			By Sire Line with Other Mares	Out of BM Sire Line with Other Sires
	All Foals	Colts	Fillies	All Foals	All Foals
Foals of Racing Age	124	72	52	2,807	18,063
Starters (% Foals of Racing Age)	79 (64%)	46 (64%)	33 (63%)	1,620 (58%)	11,385 (63%)
Winners (% Starters)	51 (65%)	32 (70%)	19 (58%)	1,123 (69%)	7,528 (66%)
SW (% Starters)	8 (10%)	6 (13%)	2 (6%)	159 (10%)	598 (5%)
Earnings	\$4,026,155	\$2,372,578	\$1,653,577	\$103,774,177	\$691,968,857
Avg Distance Raced	6.83 f	6.74 f	7.06 f	6.75 f	7.01 f
Avg Winning Distance	6.74 f	6.68 f	6.91 f	6.78 f	7.04 f

Top 15 Foals Bred on Rated Cross				
Name	Sex	Foaled	Sire/Broodmare Sire	Best Race
HARMONIZE	Mare	2013	Scat Daddy/Sky Mesa	G1SW
AZAR	Gelding	2013	Scat Daddy/Mineshaft	G2SW
SERGEI PROKOFIEV	Horse	2016	Scat Daddy/Tapit	G3SW
TAP DADDY	Horse	2015	Scat Daddy/Tapit	SW
MISTER NOFTY	Horse	2013	Scat Daddy/Bernardini	SW
SCAT DANNY (CHI)	Horse	2010	Scat Daddy/A.P. Indy	SW
LAGERTHA (CHI)	Mare	2016	Scat Daddy/Indy Vidual	SW
SUN CAB (VEN)	Horse	2015	Scat Daddy/Tapit	SW
Unbridled Daddy	Gelding	2013	Scat Daddy/Essence of Dubai	G2SP
Emphatically	Mare	2014	Scat Daddy/A.P. Indy	G3SP
Lake Louise (CHI)	Horse	2016	No Nay Never/Stevie Wonderboy	G3SP
Parque Conquillio (CHI)	Horse	2016	No Nay Never/Stevie Wonderboy	G3SP
Diocleziano (CHI)	Horse	2016	No Nay Never/Pavarotti	G3SP
Queen of Scat	Mare	2012	Scat Daddy/Pulpit	SP
Blue Mistress	Filly	2017	Handsome Mike/Mineshaft	SP

Pedigree and racing information provided by:



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GeoNicks™ North America

CARAVAGGIO--MALIBU ROAD

A (217%)

Based on the SCAT DADDY--A.P. INDY cross



This cross has produced 3 stakes winners in North America, including:

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
HARMONIZE	2013	F	G1			Y	SCAT DADDY ex MESA FRESCA (SKY MESA)
AZAR	2013	C	G2			Y	SCAT DADDY ex MISS OCEAN CITY (MINESHAFT)
TAP DADDY	2015	C		Y			SCAT DADDY ex EASY TAP (TAPIT)

GeoNicks™ Europe

CARAVAGGIO--MALIBU ROAD

A+

1 SW

Based on the SCAT DADDY--A.P. INDY cross

This cross has produced 1 stakes winners in Europe, including:

Stakes Winner	Yob	Sex	Best	Dirt	AWSTurf	Pedigree
SERGEI PROKOFIEV	2016	C	G3		Y	SCAT DADDY ex ORCHARD BEACH (TAPIT)



GeoNicks™ Australasia

CARAVAGGIO--MALIBU ROAD

0 SW

Based on the HENNESSY--BOLD REASONING cross

This cross has produced no stakes winners in Australasia

Stakes Winner Yob Sex Best Dirt AWS Turf Pedigree



Stakes winners bred from the SCAT DADDY--A.P. INDY cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AZAR	2013	C	G2			Y	SCAT DADDY ex MISS OCEAN CITY (MINESHAFT)
HARMONIZE	2013	F	G1			Y	SCAT DADDY ex MESA FRESCA (SKY MESA)
LAGERTHA	2016	F				Y	SCAT DADDY ex PAT (INDY VIDUAL)
SCAT DANNY	2010	C				Y	SCAT DADDY ex AS TOLD (A.P. INDY)
SERGEI PROKOFIEV	2016	C	G3			Y	SCAT DADDY ex ORCHARD BEACH (TAPIT)
SUN CAB	2015	C		Y			SCAT DADDY ex MARQUISITE (TAPIT)
TAP DADDY	2015	C		Y			SCAT DADDY ex EASY TAP (TAPIT)

Stakes winners bred from the SCAT DADDY--SEATTLE SLEW cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AZAR	2013	C	G2			Y	SCAT DADDY ex MISS OCEAN CITY (MINESHAFT)
BAY HARBOR	2010	F				Y	SCAT DADDY ex WINTER HARBOR (BOSTON HARBOR)
DADDYS LIL DARLING	2014	F	G1	Y		Y	SCAT DADDY ex MISS HOT SALSA (HOUSTON)
GOZA AD LIBITUM	2011	C		Y			SCAT DADDY ex FANTASTIC FLAME (DONERAILE COURT)
HARMONIZE	2013	F	G1			Y	SCAT DADDY ex MESA FRESCA (SKY MESA)
LAGERTHA	2016	F				Y	SCAT DADDY ex PAT (INDY VIDUAL)
MR. ROARY	2013	C	G3			Y	SCAT DADDY ex IF ANGELS SANG (SEATTLE SLEW)
SCAT DANNY	2010	C				Y	SCAT DADDY ex AS TOLD (A.P. INDY)
SERGEI PROKOFIEV	2016	C	G3			Y	SCAT DADDY ex ORCHARD BEACH (TAPIT)
SUN CAB	2015	C		Y			SCAT DADDY ex MARQUISITE (TAPIT)
TAP DADDY	2015	C		Y			SCAT DADDY ex EASY TAP (TAPIT)

Stakes winners bred from the JOHANNESBURG--SEATTLE SLEW cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AZAR	2013	C	G2			Y	SCAT DADDY ex MISS OCEAN CITY (MINESHAFT)
BAY HARBOR	2010	F				Y	SCAT DADDY ex WINTER HARBOR (BOSTON HARBOR)
CAMPEON DE AMERICA	2013	C				Y	DIAMOND TYCOON ex PITCHA (INDY VIDUAL)
DADDYS LIL DARLING	2014	F	G1	Y		Y	SCAT DADDY ex MISS HOT SALSA (HOUSTON)
EL NEGRO BARRY	2015	C		Y			JUPITER PLUVIUS ex T. P. GRANT (STEPHEN GOT EVEN)
GOZA AD LIBITUM	2011	C		Y			SCAT DADDY ex FANTASTIC FLAME (DONERAILE COURT)
HARMONIZE	2013	F	G1			Y	SCAT DADDY ex MESA FRESCA (SKY MESA)
KILLIN ME SMALLS	2010	C	G3	Y		Y	MARCAVELLY ex CURLY GIRL (GOLDEN MISSILE)
LAGERTHA	2016	F				Y	SCAT DADDY ex PAT (INDY VIDUAL)
MIA FAUSTINA	2016	F		Y			JUPITER PLUVIUS ex GRAN ESMERALDA (SLEW PRINCE)
MR. ROARY	2013	C	G3			Y	SCAT DADDY ex IF ANGELS SANG (SEATTLE SLEW)
NEPOMUCENO	2010	C	G1	Y		Y	DIAMOND TYCOON ex SIMULADORA (DYNAMIX)
NO SPIN	2009	C		Y			JOHANNESBURG ex DASH FOR MONEY (GENERAL MEETING)
SCAT DANNY	2010	C				Y	SCAT DADDY ex AS TOLD (A.P. INDY)
SERGEI PROKOFIEV	2016	C	G3			Y	SCAT DADDY ex ORCHARD BEACH (TAPIT)
SUN CAB	2015	C		Y			SCAT DADDY ex MARQUISITE (TAPIT)
TAP DADDY	2015	C		Y			SCAT DADDY ex EASY TAP (TAPIT)

Stakes winners bred from the HENNESSY--SEATTLE SLEW cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AZAR	2013	C	G2			Y	SCAT DADDY ex MISS OCEAN CITY (MINESHAFT)
BAY HARBOR	2010	F				Y	SCAT DADDY ex WINTER HARBOR (BOSTON HARBOR)
BOJI MOON	2011	G				Y	CACTUS RIDGE ex PHILADELPHIA MOON (MALIBU MOON)
CAMPEON DE AMERICA	2013	C				Y	DIAMOND TYCOON ex PITCHA (INDY VIDUAL)
CHITU	2011	C	G3	Y			HENNY HUGHES ex SEA GIFT (A.P. INDY)
DADDYS LIL DARLING	2014	F	G1	Y		Y	SCAT DADDY ex MISS HOT SALSA (HOUSTON)
EL NEGRO BARRY	2015	C		Y			JUPITER PLUVIUS ex T. P. GRANT (STEPHEN GOT EVEN)
EMPRESARIAL	2007	C	G2	Y			SUNRAY SPIRIT ex EMPRESS TIME (ACCEPTABLE)
GOZA AD LIBITUM	2011	C		Y			SCAT DADDY ex FANTASTIC FLAME (DONERAILE COURT)
HARMONIZE	2013	F	G1			Y	SCAT DADDY ex MESA FRESCA (SKY MESA)
HELEN MARY	2007	F				Y	SUNRAY SPIRIT ex HELENIA (ACCEPTABLE)
KILLIN ME SMALLS	2010	C	G3	Y		Y	MARCAVELLY ex CURLY GIRL (GOLDEN MISSILE)
LAGERTHA	2016	F				Y	SCAT DADDY ex PAT (INDY VIDUAL)
MIA FAUSTINA	2016	F		Y			JUPITER PLUVIUS ex GRAN ESMERALDA (SLEW PRINCE)
MR. ROARY	2013	C	G3			Y	SCAT DADDY ex IF ANGELS SANG (SEATTLE SLEW)
NEPOMUCENO	2010	C	G1	Y		Y	DIAMOND TYCOON ex SIMULADORA (DYNAMIX)
NO SPIN	2009	C		Y			JOHANNESBURG ex DASH FOR MONEY (GENERAL MEETING)
SCAT DANNY	2010	C				Y	SCAT DADDY ex AS TOLD (A.P. INDY)
SEEKING MS SHELLEY	2006	F		Y		Y	CACTUS RIDGE ex SEEKING MISS SLEW (SLEW O' GOLD)
SERGEI PROKOFIEV	2016	C	G3			Y	SCAT DADDY ex ORCHARD BEACH (TAPIT)
SUN CAB	2015	C		Y			SCAT DADDY ex MARQUISITE (TAPIT)
TAP DADDY	2015	C		Y			SCAT DADDY ex EASY TAP (TAPIT)
TOASTED	2001	C	G2			Y	HENNESSY ex BURROWS (SEATTLE SONG)

Stakes winners bred from the HENNESSY--BOLD REASONING cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AZAR	2013	C	G2			Y	SCAT DADDY ex MISS OCEAN CITY (MINESHAFT)
BAY HARBOR	2010	F				Y	SCAT DADDY ex WINTER HARBOR (BOSTON HARBOR)
BOJI MOON	2011	G				Y	CACTUS RIDGE ex PHILADELPHIA MOON (MALIBU MOON)
CAMPEON DE AMERICA	2013	C				Y	DIAMOND TYCOON ex PITCHA (INDY VIDUAL)
CHITU	2011	C	G3	Y			HENNY HUGHES ex SEA GIFT (A.P. INDY)
DADDYS LIL DARLING	2014	F	G1	Y		Y	SCAT DADDY ex MISS HOT SALSA (HOUSTON)
EL NEGRO BARRY	2015	C		Y			JUPITER PLUVIUS ex T. P. GRANT (STEPHEN GOT EVEN)
EMPRESARIAL	2007	C	G2	Y			SUNRAY SPIRIT ex EMPRESS TIME (ACCEPTABLE)
GOZA AD LIBITUM	2011	C		Y			SCAT DADDY ex FANTASTIC FLAME (DONERAILE COURT)
HELEN MARY	2007	F				Y	SUNRAY SPIRIT ex HELENIA (ACCEPTABLE)
KILLIN ME SMALLS	2010	C	G3	Y		Y	MARCAVELLY ex CURLY GIRL (GOLDEN MISSILE)
KRUGER PARK	2004	G		Y			JOHANNESBURG ex CONCORDE'S INFO (CONCORDE BOUND)
LAGERTHA	2016	F				Y	SCAT DADDY ex PAT (INDY VIDUAL)
MIA FAUSTINA	2016	F		Y			JUPITER PLUVIUS ex GRAN ESMERALDA (SLEW PRINCE)
MR. ROARY	2013	C	G3			Y	SCAT DADDY ex IF ANGELS SANG (SEATTLE SLEW)
NEPOMUCENO	2010	C	G1	Y		Y	DIAMOND TYCOON ex SIMULADORA (DYNAMIX)
NO SPIN	2009	C		Y			JOHANNESBURG ex DASH FOR MONEY (GENERAL MEETING)
SCAT DANNY	2010	C				Y	SCAT DADDY ex AS TOLD (A.P. INDY)
SEEKING MS SHELLEY	2006	F		Y		Y	CACTUS RIDGE ex SEEKING MISS SLEW (SLEW O' GOLD)
TOASTED	2001	C	G2			Y	HENNESSY ex BURROWS (SEATTLE SONG)

Caravaggio x Malibu Road

TYPE OF MATCH
Sponsored Stallion
20/20 Match

STALLION
Caravaggio

FEE
USD 40,000

THIS IS A 20/20 MATCH

20/20

FARM
Coolmore - Ashford

LOCATION
USA

EMAIL
coconnor@coolmore.com

Graded Stakes Winners with same pattern

HORSE NAME	YEAR	G1	G2	G3	E	CSI
Mr Roary M	2013	0	0	1	0	26
Scat Daddy M	2004	2	2	0	3	24
Azar M	2013	0	1	0	10	22
Combatant M	2015	1	0	0	0	18
Eaton's Gift M	2005	0	2	0	0	18
Dice Flavor M	2010	0	1	1	3	18
Hudson Steele M	2007	0	1	0	3	18
Seahenge M	2015	0	1	0	0	18
River Seven M	2010	0	0	2	3	18
Qabala F	2016	0	0	1	3	18
Jupiter Pluvius M	2005	0	0	1	0	18
Flameaway M	2015	0	0	1	0	18
Harmonize F	2013	1	0	2	3	17
Lady Of Shamrock F	2009	2	2	0	0	15
Daddys Lil Darling F	2014	1	1	1	0	15
Handsome Mike M	2009	0	2	0	0	15
Teuflesberg M	2004	0	1	0	0	15
Hamoodly M	2004	0	1	0	0	15
Looky Yonder F	2004	0	1	0	0	15
Radiohead M	2007	0	1	0	0	15
Nero M	2011	0	0	2	7	15
Rabatash M	2004	0	0	1	0	15
Baroness Thatcher F	2004	0	0	1	0	15
Ten Meropa M	2005	0	0	1	0	15
African Skies F	2006	0	0	1	0	15
Ntini M	2004	0	0	1	0	15
Shared Property M	2009	0	0	1	0	15
Con Te Partiro F	2014	2	0	1	0	14
No Nay Never M	2011	1	1	1	0	14
Skitter Scatter F	2016	1	1	1	0	14
Anotherwistafate M	2016	0	1	2	0	14
Phola F	2006	0	1	1	0	14

HORSE NAME	YEAR	G1	G2	G3	E	CSI
Horai Akiko F	2011	0	1	1	0	14
Daddy Nose Best M	2009	0	0	3	0	14
Daddy Is A Legend F	2015	0	0	2	0	14
Sergei Prokofiev M	2016	0	0	1	0	14
Sharp Starr F	2017	0	0	1	7	13
Alcohol Free F	2018	1	0	0	18	12
Streaming F	2011	1	0	0	7	12
Tizaqueena F	2005	0	1	1	7	12
Stellar Wind F	2012	6	1	2	18	11
Royal Approval F	2018	0	0	1	15	11
Juhayna F	2010	4	0	0	0	10
Justify M	2015	4	0	0	0	10
Sioux Nation M	2015	1	1	1	0	10
Hunter O'riley M	2013	1	1	0	7	10
Strapping Groom M	2007	1	0	1	3	10
Mr Melody M	2015	1	0	1	0	10
The Dream F	2012	1	0	0	0	10
Mean Mary F	2016	0	1	2	0	10
Peace Burg F	2010	0	1	1	0	10
Frac Daddy M	2010	0	1	1	0	10
Chestnut Honey M	2016	0	1	0	15	10
Shadn F	2017	0	1	0	15	10
Red Jazz M	2007	0	1	0	0	10
Acapulco F	2013	0	1	0	0	10
Conquest Daddyo M	2013	0	1	0	0	10
Killin Me Smalls M	2010	0	0	2	7	10
You're To Blame M	2014	0	0	1	15	10
Midnight Bourbon M	2018	0	0	1	15	10
Lookin For Eight M	2014	0	0	1	10	10
Mines And Magic F	2013	0	0	1	7	10
Summersault F	2012	0	0	1	7	10
Munny Spunt F	2014	0	0	1	7	10

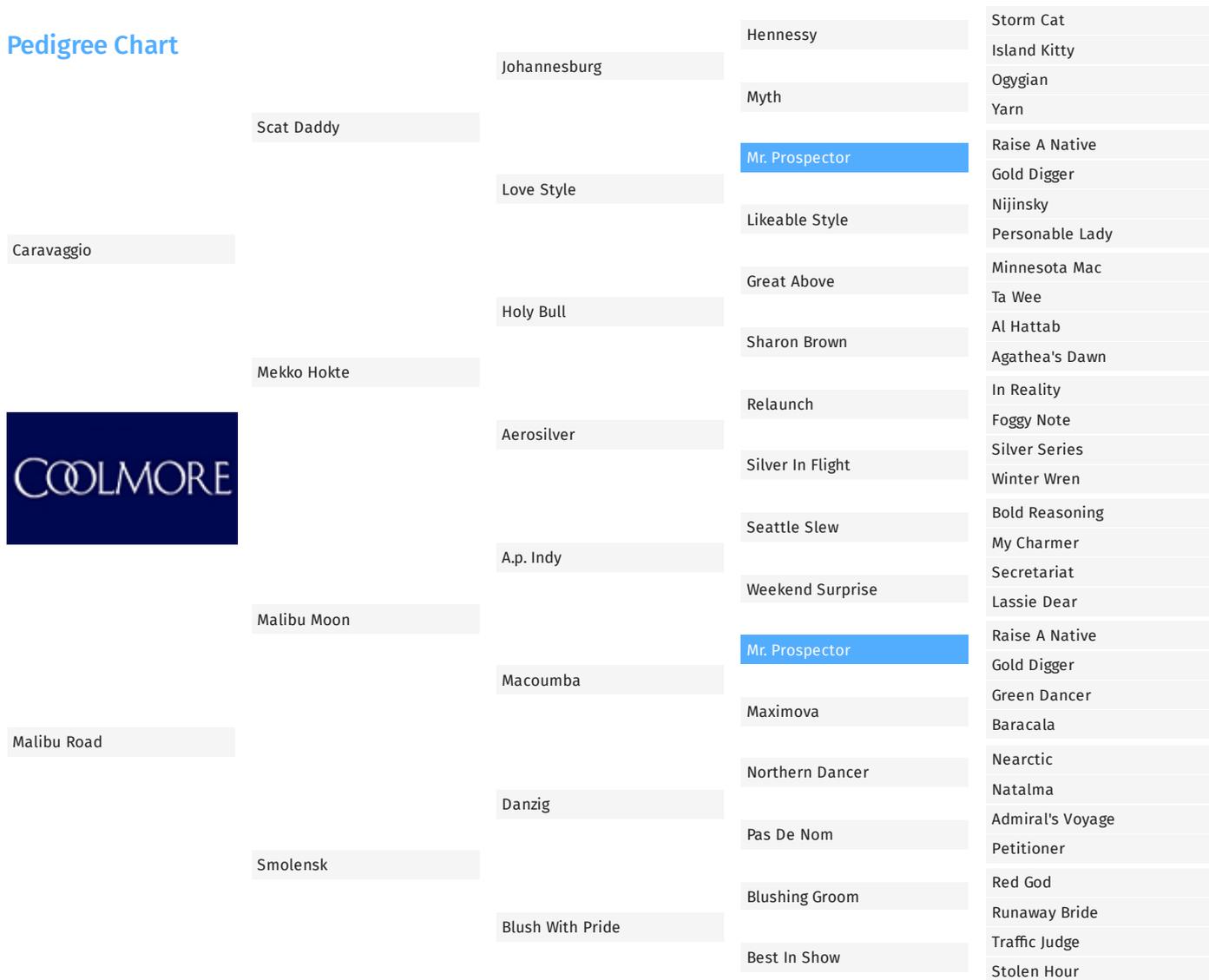
Caravaggio x Malibu Road

HORSE NAME	YEAR	G1	G2	G3	E	CSI
Almasty M	2012	0	0	1	3	10
La Traviata F	2004	0	0	1	0	10
Stefer F	2006	0	0	1	0	10
Diamond Tycoon M	2004	0	0	1	0	10
Cassandra Shadow F	2005	0	0	1	0	10
Finale M	2009	0	0	1	0	10
Isibaeva F	2007	0	0	1	0	10
Scatman M	2009	0	0	1	0	10
Seabhac M	2015	0	0	1	0	10

HORSE NAME	YEAR	G1	G2	G3	E	CSI
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Caravaggio x Malibu Road

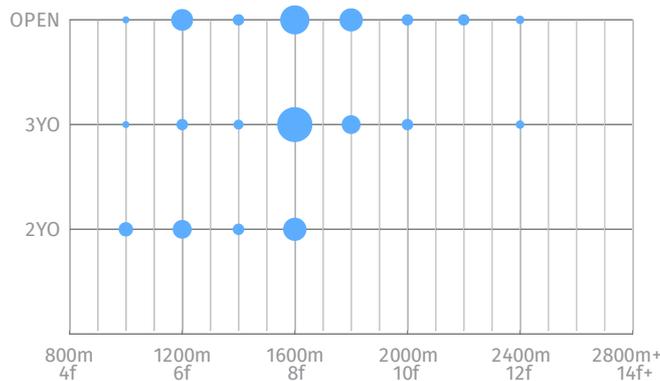
Pedigree Chart



Legend

- Indicates male inbreeding occurring in the same half of a pedigree.
- Indicates male inbreeding occurring in different halves of a pedigree.
- Indicates female inbreeding occurring in the same half of a pedigree.
- Indicates female inbreeding occurring in different halves of a pedigree.

Aptitude Profile



PEDIGREE RATING SCORES - “NICKS”

It's a simple formula – It's all about risk reduction.

Nicks have become an integral part of the decision-making process in the mating and purchasing of thoroughbreds. Most breeders recognise that an affinity or compatibility can exist between two thoroughbred sire lines, such that, when crossed, those lines yielded a greater proportion of superior runners than when either one of them are crossed with any other sire lines. Great breeders, from Federico Tesio to present-day breeders around the world have relied on observed nicks to help guide their breeding plans and buying decisions.

Over 70% of ALL Stakes Winners are “A” Rated Nicks

In order to identify nicks in a systematic way, the software database we use developed an evaluation method based on sire-line analysis. Ongoing studies by researchers show that approximately 25% of the Thoroughbred population is the product of highly successful nicks ("A" rated nicks) while over 70% of stakes winners come from these "A" rated nicks!

Statistics:

There are approximately 20,000 live foals born each year –
25% (5,000) are A Rated whilst 75% (15,000) are rated below.

There are 541 Stakes Races in Australia this racing season.

70% (379) will be won from the 5,000 A rated foals born (7.6%)

30% (162) will be won from the 15,000 foals in the lower rated group (1.08%).

For a practical businessperson seeking a return on money invested, it makes no sense to ignore statistically unfavorable odds. Buying a superior racehorse is already a difficult enough proposition. The Rating systems we use allow us to see into the future by looking into the past and thereby to avoid those mating patterns that have failed. The Nick Rating enables us to avoid crosses that have had little or no success in the past. At the same time, it enables us to identify and thus duplicate successful sire-line crosses, dramatically increasing the chances of success.

Over the years evaluating Nicks have proven to be an invaluable tool in the stallion selection process when identifying yearlings for purchase. Dean Watt, Managing Director of Dynamic Syndications has enjoyed great success as a result of utilising such information. For example:

SAVABEEL, POLAR SUCCESS, HE'S NO PIE EATER, ATOMIC FORCE, ECONSUL, DE BEERS, BRADBURY'S LUCK, TENANT'S TIARA and REWARD FOR EFFORT were all superior racehorses who had superior pedigree ratings.

ECONSUL	A+ +	13,862%
SAVABEEL	A+ +	9,325%
DEBEERS	A+ +	4,270%
POLAR SUCCESS	A+ +	2,240%
REWARD FOR EFFORT	A+	1,175%
ATOMIC FORCE	A+	988%
BRADBURY'S LUCK	A	485%
TENANT'S TIARA	A	238%
HE'S NO PIE EATER	A	161%

Further afield, in 2008 the Top 5 Racehorses in the world had the following ratings:

1 CURLIN	A+	1,375%
2 NEW APPROACH	A+	1,472%
3 RAVEN'S PASS	A+ +	5,961%
4 DUKE OF MARMALADE	A	409%
5 HENRYTHE NAVIGATOR	A+ +	1,531%

Then to further support the theories, in 2008 there was 67 Group 1 races run in Australia. These races were won by 48 individual horses. When these 48 individuals' pedigrees were analysed it showed:

35 / 48 Rated A or above = 73% of Individual Group 1 Winners Rates A or above

Affinity between sire lines was long ago observed by the world's best thoroughbred breeders. Today through modern technologies we are able to quantify what was once only a subjective judgment based on the observations of a relatively small equine population.

Ratings are essentially the objective measurement of success, or lack therefore, of sire-line crosses. Success is quantified by being the winners of stakes races with a prizemoney of at least \$50,000. Through software databases, containing the pedigrees of all such winners since 1977 (over 30,000 winners), we are able to more easily identify what sire-line crosses have succeeded in producing stakes winners and compare those numbers with the stakes winning population on the whole.

Often a sire line may appear to be successful with a particular broodmare sire line. However, if the level of success is no better than that sire line's success with the entire population, then there is not a true nick.

In order to understand the ratings for easy use, a letter-grade scale was developed. As in the scholastic setting, the scales ranges from F (Fail) through to A with A+ also A++ and now since 2011 the software system now identifies A+++ as possible to be achieved in some select instances. The Variants (percentages) shown in the table below are the deviation from the norm that has been observed by that sire line cross in question. On this

scale -15% to +15% (C) is considered average, meaning that the sire-line cross has yielded results that are statistically no better and no worse than what would be expected with the entire population.

An "A" rated nick indicates that a far greater percentage of stakes winners have resulted from that cross than expected. An "F" rated nick indicates that the number of stakes winners resulting from a cross is at least 50% below expectations. This does not mean that there cannot be success or will not be success from such a mating in the future. It does mean that in all the experience of the last 20 + years of winners of stakes races, that type of mating has had a significant lack of success as measured by stakes winner production.

It must be stressed that a below "Average" rating does not guarantee or even predict failure. It means only that, to date, the particular sire-line cross has fallen at least 16% short of what would be expected. Nicks can and do change over time.

Consequently, an above Average Rating must be kept in proper perspective as there are other factors that must be considered when selecting a horse for purchase. Specifically, conformation evaluation is critical. A thoroughbred may have a brilliant pedigree on paper that rates as either Excellent, Superior, Superb or Outstanding on our Ratings Score however if the skeletal structure and/or the overall constitution of the individual is lacking then the horse is rejected as a candidate for purchase.

The Rating Scale is shown below:

Nick	Horse	Variant %
A+++	Excellent	+20,000 and above
A++	Superior	+1,501 to + 19,999
A+	Superb	+500 to +1,500
A	Outstanding	+150 to +499
B+	Very Good	+100 to +149
B	Good	+50 to +99
C+	Acceptable	+16 to +49
C	Average	-15 to +15
D+	Weak	-16 to -34
D	Poor	-35 to -49
F	Unsuccessful	-50
0 SW	Zero Stakes Winners	0 SW

Dynamic Syndications uses these rating tools along with additional pedigree analysis systems from other software databases which skewer the data to local environmental factors and we have introduced a ranking on the class of Stakes Races which are won to establish what we consider is an inherent opportunity of greater racetrack success. Often a horse can have a very high Nick rating and yet score lowly on the variant and visa versa. We use this information to assist us in pedigree selections after the physical inspections have also been considered. Also we cannot blindly accept a rating score. For example Australia has only 2.9% of our races listed as Stakes Races whilst New Zealand has 9.7% and Ireland has 13.1%. Obviously the data will be weighted in certain directions if we did not counter this information with a ranking on the Stakes Races based upon country and class of race, racing region within the country and climatic conditions in the region. After adjustments the rating scale is presented below.

Quality Rating Summary

It is undeniable that racing class is in great part a function of the *quality* of ancestors contributing to new individual. It follows that certain quality stallions tend to contribute more favorably than other sires. When Quality points contributed by such deserving sires are combined with dosage points, the total points more accurately reflect the overall class of a pedigree.

The *Quality sires* in a pedigree contribute quality points (QP) to the new individual in exactly the same way as ancestral sires contribute dosage points (DP). The total number of *Quality points* is added to the *Dosage points* to get *Total Points* (TP).

The Quality Rating, which ranges from zero, as the low, to ten, as the high, is scaled to the number of total points in the pedigree:

Total Points	Quality Rating
0	Q0
1 to 4	Q1
5 to 9	Q2
10 to 14	Q3
15 to 19	Q4
20 to 24	Q5
25 to 29	Q6
30 to 39	Q7
40 to 44	Q8
45 to 54	Q9
55 +	Q10