MMLJAN16   Generated on   01/05/16

                                    DANZIG (I/C)   1   **NORTHERN DANCER**
                        DANEHILL (Q)   PAS DE NOM
                                    RAZYANA   1   HIS MAJESTY
            FASTNET ROCK   SPRING ADIEU
                                    ROYAL ACADEMY (B/I)   NIJINSKY II
                        PICCADILLY CIRCUS   CRIMSON SAINT
                                    GATANA   **MARAUDING**
        HINCHINBROOK   TWIGALAE
        (2007)   SILLY SEASON
                                    LUNCHTIME (Q)   GREAT OCCASION
                        SNIPPETS   GRAND CHAUDIERE
                                    EASY DATE   SCAMPERING
            SNIPPETS' LASS   1   **NORTHERN DANCER**
                                    STORM BIRD (Q)   SOUTH OCEAN
                        SNOW FINCH   IN REALITY
                                    A REALGIRL   SECRET VERDICT

Hip 822

Colt

                                    1   **NORTHERN DANCER (B/C)**   NEARCTIC
                        SADLER'S WELLS (C/S)   NATALMA
                                    FAIRY BRIDGE   BOLD REASON
            GALILEO (Q)   SPECIAL
                                    MISWAKI (Q)   MR. PROSPECTOR
                        URBAN SEA   HOPESPRINGSETERNAL
                                    ALLEGRETTA   LOMBARD
        RAIN SPECIAL   ANATEVKA
        (2005)   **SIR TRISTRAM**
                                    ZABEEL (Q)   LADY GISELLE
                        OCTAGONAL   PIECES OF EIGHT II
                                    EIGHT CARAT   KLAIRESSA
            SPECIAL TEST   **SIR TRISTRAM**
                        MARAUDING   BISCALOWE
                        RAIN IN SPAIN   CROWN JESTER
                                    RAIN CLOUD   LITTLE SHOWER

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

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Roman Dosage Profile: (2-2-4-2-0)

D.I.: 1.50   C.D.: 0.40

Werk Quality Rating: Q 7

Dosage Points: 10   +   Quality Points: 20   =   Total Points: 30

5-Generation Inbreeding: **NORTHERN DANCER - 5m, 5m x 4m**
MARAUDING - 5f x 4f
SIR TRISTRAM - x 5m, 5m

		SIRE LINE		
		HINCHINBROOK	FASTNET ROCK	DANEHILL
BROODMARE SIRE LINE	GALILEO	0*	5	16
	SADLER'S WELLS	0*	13	168
	NORTHERN DANCER	1	40	781*

TRUE NICKS℠
ENHANCED

HYPOTHETICAL: =Hinchinbrook (AUS) -- =Rain Special (AUS)
Based on the cross of Fastnet Rock (AUS) and his sons/Galileo (IRE)

A++
Variant = 11.68

				Danzig, 77 b	Northern Dancer, 61 b
			Danehill, 86 b		Pas de Nom, 68 dk b/
				Razyana, 81 b	His Majesty, 68 b
		=Fastnet Rock (AUS), 01 b			Spring Adieu, 74 b
			Piccadilly Circus (AUS), 95 b	Royal Academy, 87 b	Nijinsky II, 67 b
					Crimson Saint, 69 ch
				=Gatana (AUS), 89 b	=Marauding (NZ), 84 b
	=Hinchinbrook (AUS), 07 b				=Twigalae (AUS), 79 b
			=Snippets (AUS), 84 b	=Lunchtime (GB), 70 ch	Silly Season, 62 b
					=Great Occasion (GB), 65 ch
		=Snippets' Lass (AUS), 93 b		=Easy Date (AUS), 77 b	/Grand Chaudiere=eng, 68 b
					=Scampering (AUS), 71 b
			=Snow Finch, 84 b	Storm Bird, 78 b	Northern Dancer, 61 b
					South Ocean, 67 b
Hypothetical Foal				A Realgirl, 76 b	In Reality, 64 b
					Secret Verdict, 66 b
			Sadler's Wells, 81 b	Northern Dancer, 61 b	Nearctic, 54 br
					Natalma, 57 b
				Fairy Bridge, 75 b	Bold Reason, 68 b
		$Galileo (IRE), 98 b			Special, 69 b
			Urban Sea, 89 ch	Miswaki, 78 ch	Mr. Prospector, 70 b
					Hopespringseternal, 71 ch
				Allegretta (GB), 78 ch	=Lombard (GER), 67 ch
	=Rain Special (AUS), 05 b				=Anatevka (GER), 69 ch
			=Octagonal (NZ), 92 br	=Zabeel (NZ), 86 b	*Sir Tristram, 71 b
					=Lady Giselle (FR), 82 b
		=Special Test (AUS), 99 br		=Eight Carat (GB), 75 br	*Pieces of Eight II, 63 dk b/
					Klairessa (GB), 69 dk b/
			=Rain In Spain (AUS), 91 ch	=Marauding (NZ), 84 b	*Sir Tristram, 71 b
					=Biscalowe (AUS), 79 ch
				=Rain Cloud (AUS), 83 ch	=Crown Jester (AUS), 78 ch
					=Little Shower (AUS), 72 blk

Pedigree Statistics	
Coefficient of Relatedness: 3.61%	Pedigree Completeness: 100.00%
Inbreeding Coefficient: 2.64%	Unique Ancestors: 375/510

Dosage Information	
Dosage Profile: 2 2 4 2 0	
Dosage Index: 1.50	Center of Distribution: +0.40

Notes on terminology in this report: **Coefficient of Relatedness** measures the degree of relatedness between sire and dam to six generations; **Inbreeding Coefficient** measures the mating's degree of inbreeding to eight generations; **Pedigree Completeness** is the portion of the pedigree that is on file to eight generations; **Unique Ancestors** is the number of unique names found to eight generations; **Dosage Information:** visit www.chef-de-race.com/dosage.htm **Direct Cross** refers to the exact sire over exact broodmare sire; **Rated Cross** is the cross used to base the TrueNicks rating and may differ from the direct cross to maintain statistical significance; **AEI:** Average Earnings Index; **AWD:** Average Winning Distance (in furlongs). All currency figures are converted to U.S. dollars at the time of race or sale.

Pedigree and racing information provided by:

equineline.com

TrueNicks℠

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HYPOTHETICAL: =Hinchinbrook (AUS) -- =Rain Special (AUS)
Based on the cross of Fastnet Rock (AUS) and his sons/Galileo (IRE)

A++
Variant = 11.68

Starters Considered in Rated Cross	
Direct Sire/ Broodmare Sire Cross	2
Additional Starters on Rated Cross	25
Total Starters	27

Auction Results - All Foals on Direct Sire/Broodmare Sire Cross				
Type	#Sold	Avg	Med	
Weanlings	-	-	-	
Yearlings	7	$73,597	$74,647	
2YOs	-	-	-	

Surface Performance for Rated Cross			
Type	Dirt	Turf	AW
Starters	1	26	5
Winners	-	19	1
SW	-	6	-

Sire	
Sire Name	=Hinchinbrook (AUS)
Sire AEI	2.51
Progeny AWD	6.04 f
Chief Earner	Press Statement (AUS) ($942,333)

Broodmare Sire	
Broodmare Sire Name	$Galileo (IRE)
Broodmare Sire AEI	1.42
Progeny AWD as BM Sire	8.77 f
Chief Earner	Lea ($2,362,398)

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	82	49	33	3,014	1,467
Starters (% Foals of Racing Age)	27 (33%)	17 (35%)	10 (30%)	1,299 (43%)	670 (46%)
Winners (% Starters)	19 (70%)	12 (71%)	7 (70%)	772 (59%)	383 (57%)
SW (% Starters)	6 (22%)	3 (18%)	3 (30%)	89 (7%)	35 (5%)
Earnings	$1,977,548	$1,147,580	$829,968	$81,632,857	$27,247,710
Avg Distance Raced	7.33 f	7.24 f	7.52 f	6.88 f	8.74 f
Avg Winning Distance	7.70 f	7.49 f	8.07 f	6.89 f	8.81 f

Top 15 Foals Bred on Rated Cross				
Name	Sex	Foaled	Sire/Broodmare Sire	Best Race
MAGICOOL (AUS)	Gelding	2011	Fastnet Rock (AUS)/Galileo (IRE)	G1SW
QUALIFY (IRE)	Filly	2012	Fastnet Rock (AUS)/Galileo (IRE)	G1SW
TURRET ROCKS (IRE)	Filly	2013	Fastnet Rock (AUS)/Galileo (IRE)	G2SW
ROCK HERO (AUS)	Horse	2010	Fastnet Rock (AUS)/Galileo (IRE)	SW
EAGLE ISLAND (AUS)	Horse	2010	Fastnet Rock (AUS)/Galileo (IRE)	SW
ZHUKOVA (IRE)	Filly	2012	Fastnet Rock (AUS)/Galileo (IRE)	SW
Shogun (IRE)	Colt	2013	Fastnet Rock (AUS)/Galileo (IRE)	G2SP
Sailing By (AUS)	Filly	2012	Fastnet Rock (AUS)/Galileo (IRE)	G3SP
Land's End (AUS)	Gelding	2012	Fastnet Rock (AUS)/Galileo (IRE)	SP
Special Memories (AUS)	Filly	2012	Fastnet Rock (AUS)/Galileo (IRE)	SP
Rockabill (AUS)	Horse	2010	Fastnet Rock (AUS)/Galileo (IRE)	Wnr
Dream On (AUS)	Gelding	2009	Fastnet Rock (AUS)/Galileo (IRE)	Wnr
Hardcore Rock (AUS)	Gelding	2010	Fastnet Rock (AUS)/Galileo (IRE)	Wnr
Perfect Dare (AUS)	Gelding	2012	Fastnet Rock (AUS)/Galileo (IRE)	Wnr
Cosmic Energy (AUS)	Gelding	2012	Hinchinbrook (AUS)/Galileo (IRE)	Wnr

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 HENRYTHENAVIGATOR	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