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	UNBRIDLED (B/I)	FAPPIANO
	EMPIRE MAKER	GANAFACIL
	TOUSSAUD	EL GRAN SENOR
PIONEEROF THE NILE		IMAGE OF REALITY
	LORD AT WAR (Q)	GENERAL
	STAR OF GOSHEN	LUNA DE MIEL
	CASTLE EIGHT	KEY TO THE KINGDOM
AMERICAN PHAROAH		HER NATIVE
(2012)	STORM CAT (Q)	STORM BIRD
	YANKEE GENTLEMAN	TERLINGUA
	KEY PHRASE	FLYING PASTER
LITTLEPRINCESSEMMA		SOWN
	ECLIPTICAL	EXCLUSIVE NATIVE
	EXCLUSIVE ROSETTE	MINNETONKA
	ZETTA JET	TRI JET
Prospective foal		QUEEN ZETTA
	VICE REGENT (Q)	NORTHERN DANCER
	DEPUTY MINISTER (Q)	VICTORIA REGINA
	MINT COPY	BUNTY'S FLIGHT
DEHERE		SHAKNEY
	SECRETARIAT (I/C)	BOLD RULER
	SISTER DOT	SOMETHINGROYAL
	SWORD GAME	DAMASCUS
LISSON GROVE		BILL AND I
(2004)	BISCAY (Q)	STAR KINGDOM
	BLETCHINGLY (Q)	MAGIC SYMBOL
	COOGEE	RELIC
LONDON LIGHTS		LAST JUDGEMENT
	BELLISSIMO	PETINGO
	TRAVEL LIGHT	BELLE DE RETZ
	OTALIGHT	ALL A'LIGHT
		OTAHA

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

Roman Dosage Profile: (1-2-1-0-0)

D.I.: 7.00 C.D.: 1.00

Werk Quality Rating: Q 5

Dosage Points: 4 + Quality Points: 16 = Total Points: 20

5-Generation Inbreeding:

SIRE LINE

PIONEER OF THE NILE

EMPIRE MAKER

UNBRIDLED

DEHERE

0*

0*

5

DEPUTY MINISTER

2

6

41

VICE REGENT

2

6

42

BROODMARE
SIRE LINE

GeoNicks™ Australasia

AMERICAN PHAROAH--LISSON GROVE

B+ (117%)



Based on the UNBRIDLED--NORTHERN DANCER cross

This cross has produced 4 stakes winners in Australasia, including:

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
BRIDAL HILL	98	F				Y	UNBRIDLED'S SONG ex STORMY HILL (DANEHILL)
TOOK A CHANCE	99	F				Y	UNBRIDLED'S SONG ex OUR FORTE (KREISLER)
ZOMETRIC	99	C				Y	UNBRIDLED'S SONG ex WHAT A JOY (BLUEBIRD)
REGROWTH	2000	F				Y	UNBRIDLED'S SONG ex TRUE BLONDE (NATURALISM)

GeoNicks™ North America

AMERICAN PHAROAH--LISSON GROVE

A+++

Based on the UNBRIDLED--DEPUTY MINISTER cross

This cross has produced 34 stakes winners in North America, including:

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
HALFBRIDLED	2001	F	G1	Y			UNBRIDLED ex HALF QUEEN (DEPUTY MINISTER)
WILL TAKE CHARGE	2010	C	G1	Y			UNBRIDLED'S SONG ex TAKE CHARGE LADY (DEHERE)
GRAYDAR	2009	C	G1	Y			UNBRIDLED'S SONG ex SWEETEST SMILE (DEHERE)
EMOLLIENT	2010	F	G1		Y	Y	EMPIRE MAKER ex SOOTHING TOUCH (TOUCH GOLD)
WAVELL AVENUE	2011	F	G1	Y			HARLINGTON ex LUCAS STREET (SILVER DEPUTY)
TARA'S TANGO	2012	F	G1	Y			UNBRIDLED'S SONG ex SCARLET TANGO (FRENCH DEPUTY)
MAJESTIC HARBOR	2008	C	G1	Y			ROCKPORT HARBOR ex CHAMPAGNE ROYALE (FRENCH DEPUTY)
LAST SONG	2001	F	G2	Y			UNBRIDLED'S SONG ex QUEEN OF SPIRIT (DEPUTY MINISTER)
PRIVATE VOW	2003	C	G2	Y			BROKEN VOW ex SMOOTH AS SILK (DEPUTY MINISTER)
SONGSTER	2003	C	G2	Y			SONGANDAPRAYER ex PEPPY LAPEAU (FRENCH DEPUTY)
STILL HAVING FUN	2015	C	G2	Y			OLD FASHIONED ex CASUAL KISS (DEHERE)
STRIKE IT RICH	2007	F	G3			Y	UNBRIDLED'S SONG ex BELLE OF PERINTOWN (DEHERE)
COMMANDER	2008	G	G3	Y			BROKEN VOW ex POUT (DEPUTY MINISTER)
KEEP UP	2007	C	G3			Y	UNBRIDLED'S SONG ex KEEPER HILL (DEPUTY MINISTER)
HEATHCOTE	2008	G	G3		Y		NIIGON ex PRAIRIE FLAME (TOUCH GOLD)
FOUR GIFTS	2006	F	G3	Y			EVEN THE SCORE ex AGIFTFROMSERVICE (SERVICE STRIPE)
BRYAN'S JEWEL	2008	F	G3	Y			ROCKPORT HARBOR ex SAPHIRIA (TOUCH GOLD)
CHEERMEISTER	2017	F	G3			Y	BODEMEISTER ex KUHLU (GHOSTZAPPER)
AWESOME SLATE	2013	C	G3	Y			SUMMER BIRD ex AWESOME CHIC (AWESOME AGAIN)
UNBRIDLED FEMME	2000	F		Y			UNBRIDLED ex GRECHELLE (DEPUTY MINISTER)
UNINHIBITED SONG	2001	F		Y		Y	UNBRIDLED'S SONG ex SPECIAL MISTRESS (DEPUTY MINISTER)
LUCKY COPY	2005	F				Y	UNBRIDLED'S SONG ex PERFECT COPY (DEPUTY MINISTER)
PHIL THE POWER	2004	G		Y			RED BULLET ex MISS AMY R (DEPUTY MINISTER)
UNBRIDLED JUAN	2012	C		Y			UNBRIDLED'S SONG ex SUGAR SWIRL (TOUCH GOLD)
REVERON	2009	C		Y			SONGANDAPRAYER ex CAROLINA SUNRISE (AWESOME AGAIN)
HEIDI MARIA	2008	F		Y			ROCKPORT HARBOR ex THIRD STREET (SALT LAKE)
GRIFF	2011	C		Y			ROCKPORT HARBOR ex GOT A GLOW (DEHERE)
COURTIER	2012	C				Y	PIONEEROF THE NILE ex SOOTHING TOUCH (TOUCH GOLD)
GEOTHERMAL	2009	C		Y			UNBRIDLED ENERGY ex APRIL CLOSING (DEFRERE)
SILVER MISSION	2014	C		Y			MISSION IMPAZIBLE ex NASHINDA (SILVER DEPUTY)
ROCKPORT KAT	2012	C		Y			ROCKPORT HARBOR ex NOT OFFENSIVE (DEPUTY COMMANDER)
GRACE'S TREASURE	2013	F		Y			ROCKPORT HARBOR ex SHER WIN FOREST (FOREST CAMP)
JACK SNIPE'S	2014	C				Y	HALF OURS ex RHODELIA (SILVER DEPUTY)
TASTING THE STARS	2016	F				Y	BODEMEISTER ex PINK CHAMPAGNE (AWESOME AGAIN)



Stakes winners bred from the PIONEEROF THE NILE--DEPUTY MINISTER cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
COURTIER	2012	C				Y	PIONEEROF THE NILE ex SOOTHING TOUCH (TOUCH GOLD)
LEVANTE LION	2014	C	G3			Y	PIONEEROF THE NILE ex GHOSTLY DARKNESS (GHOSTZAPPER)

Stakes winners bred from the EMPIRE MAKER--DEPUTY MINISTER cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
CHEERMEISTER	2017	F	G3			Y	BODEMEISTER ex KUHLU (GHOSTZAPPER)
COURTIER	2012	C				Y	PIONEEROF THE NILE ex SOOTHING TOUCH (TOUCH GOLD)
EMOLLIENT	2010	F	G1		Y	Y	EMPIRE MAKER ex SOOTHING TOUCH (TOUCH GOLD)
LEVANTE LION	2014	C	G3			Y	PIONEEROF THE NILE ex GHOSTLY DARKNESS (GHOSTZAPPER)
MY TITY	2012	F		Y			EMPIRE MAKER ex CHEERS GODDESS (FRENCH DEPUTY)
TASTING THE STARS	2016	F				Y	BODEMEISTER ex PINK CHAMPAGNE (AWESOME AGAIN)

Stakes winners bred from the UNBRIDLED--VICE REGENT cross

Stakes Winner	Yob	Sex	Best	Dirt	AWS	Turf	Pedigree
AWESOME SLATE	2013	C	G3	Y			SUMMER BIRD ex AWESOME CHIC (AWESOME AGAIN)
BIRDIE GOLD	2014	F	G1			Y	BIRDSTONE ex GOLD REVENUE (TOUCH GOLD)
BRYAN'S JEWEL	2008	F	G3	Y			ROCKPORT HARBOR ex SAPHIRIA (TOUCH GOLD)
CHEERMEISTER	2017	F	G3			Y	BODEMEISTER ex KUHLU (GHOSTZAPPER)
CHIMBEA	2013	F	G3			Y	ZENSATIONAL ex CHAROLINA (MISSIONARY)
COMMANDER	2008	G	G3	Y			BROKEN VOW ex POUT (DEPUTY MINISTER)
COURTIER	2012	C				Y	PIONEEROF THE NILE ex SOOTHING TOUCH (TOUCH GOLD)
EMOLLIENT	2010	F	G1		Y	Y	EMPIRE MAKER ex SOOTHING TOUCH (TOUCH GOLD)
ESIDIO	2016	C	G3	Y			WILL TAKE CHARGE ex SILVER RESERVE (SILVER DEPUTY)
FATAL BULLET	2005	G	G3		Y		RED BULLET ex SARAREGAL (REGAL CLASSIC)
FOUR GIFTS	2006	F	G3	Y			EVEN THE SCORE ex AGIFTFROMSERVICE (SERVICE STRIPE)
GEOHERMAL	2009	C		Y			UNBRIDLED ENERGY ex APRIL CLOSING (DEFERRE)
GRACE'S TREASURE	2013	F		Y			ROCKPORT HARBOR ex SHER WIN FOREST (FOREST CAMP)
GRAYDAR	2009	C	G1	Y			UNBRIDLED'S SONG ex SWEETEST SMILE (DEHERE)
GRIFF	2011	C		Y			ROCKPORT HARBOR ex GOT A GLOW (DEHERE)
HALFBRIDLED	2001	F	G1	Y			UNBRIDLED ex HALF QUEEN (DEPUTY MINISTER)
HEATHCOTE	2008	G	G3		Y		NIIGON ex PRAIRIE FLAME (TOUCH GOLD)
HEIDI MARIA	2008	F		Y			ROCKPORT HARBOR ex THIRD STREET (SALT LAKE)
JACK SNIPE'S	2014	C				Y	HALF OURS ex RHODELIA (SILVER DEPUTY)
KEEP UP	2007	C	G3			Y	UNBRIDLED'S SONG ex KEEPER HILL (DEPUTY MINISTER)
LAST SONG	2001	F	G2	Y			UNBRIDLED'S SONG ex QUEEN OF SPIRIT (DEPUTY MINISTER)
LEVANTE LION	2014	C	G3			Y	PIONEEROF THE NILE ex GHOSTLY DARKNESS (GHOSTZAPPER)
LUCKY COPY	2005	F				Y	UNBRIDLED'S SONG ex PERFECT COPY (DEPUTY MINISTER)
MAJESTIC HARBOR	2008	C	G1	Y			ROCKPORT HARBOR ex CHAMPAGNE ROYALE (FRENCH DEPUTY)
MANUCA ROSALINA	2015	F	G1	Y			MANIPULATOR ex MOON MINISTER (DEPUTY MINISTER)
MY TITY	2012	F		Y			EMPIRE MAKER ex CHEERS GODDESS (FRENCH DEPUTY)
NASHMIAH	2014	F		Y			ALNAJIM ALTHAKEB ex QEREERAH (BLUE BURNER)
PHIL THE POWER	2004	G		Y			RED BULLET ex MISS AMY R (DEPUTY MINISTER)
PRIVATE VOW	2003	C	G2	Y			BROKEN VOW ex SMOOTH AS SILK (DEPUTY MINISTER)
REVERON	2009	C		Y			SONGANDAPRAYER ex CAROLINA SUNRISE (AWESOME AGAIN)
ROCKPORT KAT	2012	C		Y			ROCKPORT HARBOR ex NOT OFFENSIVE (DEPUTY COMMANDER)
SILVER MISSION	2014	C		Y			MISSION IMPAZIBLE ex NASHINDA (SILVER DEPUTY)
SONGSTER	2003	C	G2	Y			SONGANDAPRAYER ex PEPPY LAPEAU (FRENCH DEPUTY)
STILL HAVING FUN	2015	C	G2	Y			OLD FASHIONED ex CASUAL KISS (DEHERE)
STRIKE IT RICH	2007	F	G3			Y	UNBRIDLED'S SONG ex BELLE OF PERINTOWN (DEHERE)
TARA'S TANGO	2012	F	G1	Y			UNBRIDLED'S SONG ex SCARLET TANGO (FRENCH DEPUTY)
TASTING THE STARS	2016	F				Y	BODEMEISTER ex PINK CHAMPAGNE (AWESOME AGAIN)
UNBRIDLED FEMME	2000	F		Y			UNBRIDLED ex GRECHELLE (DEPUTY MINISTER)
UNBRIDLED JUAN	2012	C		Y			UNBRIDLED'S SONG ex SUGAR SWIRL (TOUCH GOLD)
UNINHIBITED SONG	2001	F		Y		Y	UNBRIDLED'S SONG ex SPECIAL MISTRESS (DEPUTY MINISTER)
WAVELL AVENUE	2011	F	G1	Y			HARLINGTON ex LUCAS STREET (SILVER DEPUTY)
WILL TAKE CHARGE	2010	C	G1	Y			UNBRIDLED'S SONG ex TAKE CHARGE LADY (DEHERE)

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