

Dams getting duplicated: Down under

by Rommy Faversham

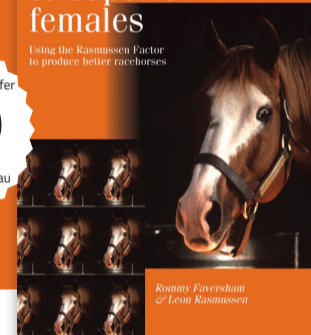
As we approach the second quarter of the twenty-first century, patterns of female family inbreeding (FFI) continue to highlight a significant proportion of Australasia's top drawer pedigrees.

The release of Inbreeding to Superior Females in 1999 certainly seems a long time ago. Affectionately nicknamed "BOB" (big orange book), the value of this simple phrase appears to have been well served over these early years of the new millennium, both domestically and globally. The Rasmussen Factor (RF), as defined by FFI within five generations has been a very useful measuring stick.

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PRIME PATTERNS

Throughout history, the pedigrees of important Australian horses have often followed a series of predominant patterns of inbreeding to specific breed shaping mares and their families. These have included:

1) Inbreeding to Pocahontas (1837) and her dam Marpessa (1830) began in the 1880s and continued on (within RF criteria) through the 1910s - all the while, appearing in key pedigrees throughout the entire thoroughbred world.

2) Inbreeding to the family of the Touchstone mare Juliet (GB) who was imported in 1860 to South Australia where she became matriarch to a large cluster of influential domestic sires. RFs carrying duplications of her family strains demonstrated exceptional results from the 1890s well into the 1920s.

3) Inbreeding to Chelandry (1894), and her dam Illuminata was the predominant FFI pattern from the 1920s through the 1940s. It was the result of importing a number of English stallions who carried their complementary strains.

4) Inbreeding to the family of Selene (1919) was the leading FFI pattern during the 1970s and 1980s. This also came about through importation of English stallions who were descendants of hers.

5) Inbreeding to the American-breds Natalma (1957), and her dam Almahmoud has been highly prominent from the 1990s

all the way to the present. Natalma, the dam of Northern Dancer (1961) became third dam of Danehill (1986), one of the first Natalma RFs (3X3) who, of course, would go on to become one of Australia's greatest all-time stallions. Many of the Natalma RFs carry Danehill along with another dose of Northern Dancer for a total of three strains of Natalma - so what might appear to be inbreeding to Northern

WINX, Bay filly, 2011

Dancer is actually inbreeding to the female family of Northern Dancer. The pedigree of the great Winx demonstrates a variation in which her sire-of-sires, Machiavellian provides a different strain of Natalma.

6) Inbreeding to the family of another Kentucky-bred blue hen Special (1969) has also been very prominent throughout this century. The Forli mare was both the dam of Nureyev and the grandam of

STREET CRY (IRE) B or Br 1998	Machiavellian	Mr. Prospector	Raise a Native	Native Dancer	5f	
			Gold Digger	Raise You	8f	
	Coup de Folie	Halo	Nashua	Nashua	3m	
			Sequence	Hail to Reason	4n	
	Helen Street	Troy	3 Cosmah	3 Cosmah	2d	
			1 Raise the Standard	Hoist the Flag	5i	
		Waterway	Petingo	3 Natalma	2d	
			Alcazar	Petition	16h	
	VEGAS SHOWGIRL B 2002	Al Akbar	Success Express (USA)	La Milo	Alcazar	22
				Hornbeam	1p	
Vegas Magic		Voodoo Rhythm (USA)	Riverman	River Lady	10a	
			Pin Prick	1b		
Vegas Street		Vegas	Boulevard	Never Bend	19b	
			Costa Sola	11		
Vegas Street		Vegas	Hold Your Peace	Speak John	11	
			Blue Moon	12a		
Vegas Street		Vegas	Au Printemps	Dancing Champ	4r	
			Lorgnette	17b		
Vegas Street	Vegas	Blakeney	Hethersett	21a		
		Windmill Girl	20c			
Vegas Street	Vegas	Debutante	Silly Season	1g		
		Grove Hall	1g			
Vegas Street	Vegas	1 Northern Dancer	Nearctic	14c		
		3 Natalma	2d			
Vegas Street	Vegas	Obeah	Cyane	16b		
		Book of Verse	2f			
Vegas Street	Vegas	Sovereign Edition (IRE)	Sovereign Path	4l		
		Latest Edition	13a			
Vegas Street	Vegas	Stunning (GB)	1w			
		Gay Abandon	5b			

PEDIGREE ANALYSIS *Duplicated Dams*

Sadlers Wells. The cross of these two breed shapers represents the most successful combination among the armada of Northern Dancer's noted sons at stud.

Table 1 lists all Australian Group One Winners whose pedigree demonstrated

the Rasmussen Factor from 2000 to 2022. It reflects the aforementioned predominance of inbreeding patterns to the Natalma/Almahmoud family (shown in black) as well as the family of Special (shown in red). The third most common family to be duplicated

amongst this elite lot has been that of Best of Show (shown in green). All of the other matriarchs in this column have been listed in blue type. Table 1 also has a total of seven double RFs (underlined) as well as a brother-sister duo with the ultra-rare triple RF (marked by ***).

TABLE 1 - AUSTRALIAN GROUP ONE WINNERS WITH THE RASMUSSEN FACTOR 2000-2022

The Almahmoud / Natalma family in Black : **The Special family in Red** : **The Best In Show family in Green** : All other families in Blue : Double RFs : *** Triple RF

Group One SW	sire	RF pattern	Number of Australian G1 Stakes victories	Group One SW	sire	RF pattern	Number of Australian G1 Stakes victories
ALABAMA EXPRESS	Redoute's Choice	Natalma 5X5X5	one	MAGIC HURRICANE (IRE)	Hurricane Run	Natalma 5X5X5	one
ALLIGATOR BLOOD	All Too Hard	<u>Rolls 4X4</u>	four	MAGICCOOL	Fastnet Rock	Natalma 5X5X5	one
AL MAHER	Danehill	Natalma 4X4X5	one	MAKYBE DIVA (GB)	Desert King	Natalma 5X5X5X5	seven
ALOHA	Encosta De Lago	Natalma 4X5X5	one	MASKED CRUSADER	Toronado	Sadlers Wells & Fairy King 3X4	one
AMALFI (NZ)	Carnegie	<u>Lalun 5X5X5</u>	one	MASTER OF DESIGN	Redoute's Choice	Ntlma 5X5X5 & Best In Show 5X5	one
AMANPOUR	Northern Meteor	Natalma 5X5	one	METAL BENDER (NZ)	Danasinga	Natalma 5X5X5	four
AMICUS	Fastnet Rock	Natalma 5X5	one	MICROPHONE	Exceed and Excel	Natalma 5X5X5X5	one
<u>ANAMATO</u>	Redoute's Choice	Ntlma 5X5X5 & Flower Bowl 5X4	one	MIRACLES OF LIFE	Not A Single Doubt	<u>Easy Date 3X4</u>	two
APERCU	Encosta De Lago	Special 4X5	one	MISS FINLAND	Redoute's Choice	Natalma 5X5X5	five
AWESOME ROCK	Fastnet Rock	<u>Crimson Saint 4X5</u>	one	MOSHEEN	Fastnet Rock	Natalma 5X5X5	four
ARAPAHO MISS	Danehill Dancer	Natalma 5X5X5	one	MR INNOCENT	Mr Henrysee	<u>Somethingroyal 4X5</u>	one
BENICIO	More Than Ready	Natalma 5X5X5	one	MY KEEPSAKE (NZ)	Keeper	Natalma 5X5X5	one
BONARIA	Redoute's Choice	Ntlma 5X5X5 & Best In Show 5X5	one	MY KINGDOM OF FIFE (GB)	Kingmambo	Special 4X4	one
BEST SOLUTION (IRE)	Kodiac	Natalma 5X5X5	one	MYSTIC JOURNEY	Needs Further	<u>Lady Giselle 4X4</u>	one
CAMARILLA	Elusive Quality	Natalma 5X5X5	one	NECHITA	Fastnet Rock	Natalma 5X5X5	one
CAPE OF GOOD HOPE	Galileo	Natalma 5X5X5	one	NICONERO	Danzero	Natalma 5X5X5	five
CASINO PRINCE	Flying Spur	Natalma 5X5X5	one	NIMALEE	So You Think	Special 5X5	one
CHEEKY CHOICE	Redoute's Choice	Natalma 5X5X5	one	NORTHERLY	Serheed	<u>Flaming Page 3X5 & Dinner Partner 3X5</u>	nine
COMPLACENT	Authorized	<u>Green Valley 4X5</u>	one	ORANGE COUNTY (NZ)	Volsraad	<u>Somethingroyal 4X5</u>	one
CON TE PARTIRO (USA)	Scat Daddy	<u>Yarn & Preach 4X4</u>	two	ORTENSIA	Testa Rossa	<u>Lalun 5X5</u>	one
CONTRIBUTER (IRE)	High Chaparral	Natalma 4X5	two	PEEPING	Redeye's Choice	Natalma 5X5X5	one
COSMIC ENDEAVOUR	Northern Meteor	Natalma 5X5X5	two	PERFECTLY READY	More Than Ready	Natalma 5X5X5	one
CROSS COUNTER (GB)	Teofilo	Special 5X5	one	PERSONAL	Fastnet Rock	Natalma 5X5X5	one
DANNI MARTINE	Danzero	<u>His Majesty & Graustark 4X4</u>	one	PINARELLO	Tavistock	Special 5X5	one
DARIANA	Redoute's Choice	Ntlma 5X5X5 & Best In Show 5X5	one	PLATINUM SCISSORS	Danehill	Natalma 4X4X5	one
DAUMIER	Epaulette	<u>Eight Carat 4X5</u>	one	POLARISATION (GB)	Echo of Light	Special 5X5	one
DEALER PRINCIPAL	Flying Spur	<u>Flower Bowl 5X5</u>	one	PORTO ROCA	Barathea	<u>Lalun 5X5</u>	one
DELICACY	Al Maher	Natalma 5X5X5	two	PRIDE OF DUBAI	Street Cry	Natalma 5X5X5	two
DELTA BLUES (JPN)	Dance in the Dark	Almahmoud 5X5	one	PRINCESS JENNI (NZ)	High Chaparral	Special 4X5	one
DIATRIBE	Brief Truce	Natalma 4X4	two	PRIZED ICON	More Than Ready	Natalma 5X5X5	two
DIZELLE	Zabeel	Natalma 5X5X5	one	PROMPT RESPONSE	Beneteau	<u>Make Plans 5X5</u>	one
EXCEED AND EXCEL	Danehill	Natalma 4X4X4	two	REAL IMPACT (JPN)	Deep Impact	<u>Nothirdchance 5X5</u>	one
FANGIRL	Sebring	<u>Rolls 4X4</u>	one	ROCK CLASSIC	Fastnet Rock	Natalma 5X5X5	one
FASTNET ROCK	Danehill	Natalma 4X4X5	two	REDOUTE'S CHOICE	Danehill	Natalma 4X4X5	one
FAT AL	Al Maher	Natalma 5X6X5	one	REGAL CHEER	Arena	Natalma 5X5X5	one
FENWAY	Fastnet Rock	Special 4X5	one	RUSSETING	Command	Natalma 5X5X5	one
FIRST SEAL	Fastnet Rock	Natalma 5X5X5	one	SACRED ELIXIR (NZ)	Pour Moi	Special 5X4	one
FEROCITY	Lion Hunter	Natalma 5X5X5	one	SCALES OF JUSTICE	Not a Single Doubt	<u>Dancing Show 4X3</u>	two
FORETELLER (GB)	Dansili	Natalma 5X5X5	one	SCAREDEE CAT (NZ)	Tale of the Cat	<u>Somethingroyal 5X5</u>	one
FOXWEDGE	Fastnet Rock	<u>Crimson Saint 4X5</u>	one	SEPOY	Elusive Quality	Natalma 5X5X5	four
FREEMASON	Grand Lodge	<u>Somethingroyal 5X5X5</u>	two	SERENADE ROSE	Stravinsky	Special 3X4	three
FUNSTAR	Adelaide	Natalma 5X5X5	one	SHADOW HERO	Pierro	Sadler's Wells & Fairy King 4X4	two
GALLANTE (IRE)	Montjeu	Natalma 4X5	one	SHOCKING	Street Cry	Natalma 5X5X5	two
GLOBAL GLAMOUR	Star Witness	Special 5X5	one	SHOOT OUT	High Chaparral	<u>Hardiemma 5X5</u>	five
GRUNT (NZ)	O'Reilly	<u>Hunza 3X5</u>	two	SINCERO	Umatilla	<u>Best In Show & Reckless Driver 4X4</u>	two
GUST OF WIND (NZ)	Darci Brahma	Natalma 5X5X4	one	SNITZEL	Redoute's Choice	Natalma 5X5X5	one
HAMPTON COURT	Redoute's Choice	Natalma 5X5X5	one	SOLZHENITSYN (NZ)	St. Petersburg	Special 3X5	two
HAPPY CLAPPER	Teofilo	Sadlers Wells & Fairy King 3X3	three	<u>SOUND ACTION</u>	Vettori	<u>Ntlma 5X5 & Flaming Page 5X5</u>	two
HAPPY TRAILS	Good Journey	Special 3X4	three	SPEAK FONDLY	Northern Meteor	<u>Rolls 4X3</u>	one
HARLEM (GB)	Champs Elysees	Natalma 5X5X5	two	SUAVITO (NZ)	Thorn Park	Special 4X5	two
HASNA	Snippets	<u>Grey Flight 5X5</u>	two	TARZINO (NZ)	Tavistock	Special 5X5	two
HALLOWED CROWN	Street Sense	Natalma 5X5X5	two	TAVAGO (NZ)	Tavistock	Special 5X4	one
HAY LIST	Statue of Liberty	<u>Missy Baba 5X4</u>	three	THE AUTUMN SUN	Redoute's Choice	Natalma 5X5X5	six
HEAVENLY GLOW	Spinning World	<u>Best In Show 5X5</u>	two	THESEO	Danewin	Natalma 5X5X5	five
HERCULIAN PRINCE (NZ)	Yamanin Vital	<u>Never Hula & Hula Bend 3X4</u>	one	THE UNITED STATES (IRE)	Galileo	Special 4X5	one
HE'S OUR ROKKII (NZ)	Roc De Cambes	Special 5X5	one	THINK IT OVER	So You Think	Special 5X5	two
HIYAAM (NZ)	High Chaparral	Special 4X5	one	TOFANE (NZ)	Ocean Park	Special 5X5	four
HUETOR	Archipenko	Special 3X4	one	TOFFEE TONGUE (NZ)	Tavistock	Special 5X5	one
HUMIDOR (NZ)	Teofilo	Special 5X5	two	TUESDAY JOY (NZ)	Carnegie	Natalma 4X5X5	four
HUNGRY HEART	Frankel	Special 5X5	two	<u>TURN ME LOOSE (NZ)</u>	Ifraaj	Ntlma 5X5X5X5 & Special 4X5	two
INSPIRATIONAL GIRL	Reliable Man	Special 5X5	two	TWILIGHT PAYMENT	Teofilo	Special 5X5	one
IRISH LIGHTS	Fastnet Rock	<u>Crimson Saint 4X5</u>	one	TYPHOON ZED	Zeditave	<u>Gay Hostess 4X5</u>	two
ITS A DUNDEEL (NZ)	High Chaparral	Special 4X5	six	UNFORGOTTEN	Fastnet Rock	Natalma 5X5X5X5	one
JACQUINOT	Rubick	<u>Shantha's Choice 3X4</u>	one	VANCOUVER	Medaglia d'Oro	Natalma 5X5X5	one
JOHNNY GET ANGRY	Tavistock	Special 5X5	one	VERRY ELLEEGANT (NZ)	Zed	<u>Cothele House 4X4</u>	twelve
JUSTE MOMENTE	Giants Causeway	Natalma 5X5X5	one	VISION AND POWER (NZ)	Carnegie	<u>Lalun 5X5X5</u>	two
JYMCAREW	Danzero	Natalma 5X5X5	two	WHOBEGOTYOU	Street Cry	Natalma 5X5	two
KNIGHTS ORDER	So You Think	Special 5X4	one	WINNING WAYS	Declaration of War	<u>Gone West & Lion Cavern 4X3</u>	one
LACHILAN RIVER (NZ)	Desert King	Natalma 5X5X5	one	WINX	Street Cry	Natalma 5X5	twenty five *
LANKAN RUPEE	Redoute's Choice	Natalma 5X5X5	five	YOUNGSTAR	High Chaparral	Natalma 5X5X5	one
LINKY DINK (NZ)	Keeper	<u>Somethingroyal 5X5</u>	one	ZABRASIVE (NZ)	Zabeel	Natalma 5X5X5	one
LIONS ROAR (NZ)	Contributer	<u>Crimson Saint 5X5</u>	one	ZABEELIONAIRE(NZ)***	Zabeel	Special 4X5X5 & Derna 4X4 & Vali 5X5	one
LONE ROCK	Fastnet Rock	Natalma 5X5X5	one	ZARITA (NZ)	Pentire	<u>Milan Mill 4X5</u>	two
LIGHTS OF HEAVEN (NZ)	Zabeel	<u>Somethingroyal 5X5</u>	one	ZOUTORI	Zoustar	<u>Fairy King & Sadlers Wells 4X3</u>	one
LONG JOHN	Street Cry	Natalma 5X4	one				
LUCIA VALENTINA (NZ)	Savabeel	Special 5X5	three				

Since Natalma and Special have already begun to recede beyond contemporary pedigrees' fifth generation, there figures to be a significant drop-off (on a global level) in the number of prominent RFs in the years ahead commensurate with the population at large. Needless to say, the value of female family inbreeding is still very much in effect. But as for measurements, it is safe to say that RFs in general will be considerably fewer in number. Happily, this should make them even more interesting as a handicapping angle, as I talked about in last year's July/August issue of Bluebloods (A Not-So-Incidental Perk).

It is also worth noting the opportunities for female family inbreeding patterns in Australasia figure to become particularly diminished in the coming seasons as there are very few family ties within the current

roster of active sires. When this occurs, the tail-female line becomes the dam's most likely source of a strain complementary to that of the sire. Now is an especially good time for domestic breeders to be on the lookout for strains complementary to the female families of their key stock. The large majority of inbred matriarchs listed in Table 1 were American-bred broodmares never imported to Australia. Several others were European-bred and based. The few imported to Australia include Eight Carat (GB) and her daughter Cotehele House (GB) as well as Rolls (USA). The only two native-bred broodmares were Hunza (NZ) and Shantha's Choice (Aus). More recently several young stallions tracing to, or featuring, the mare Helen Street and her descendant Street Cry and Shamardal

have entered the picture and will be worth keeping an eye on. The Darley sire Victor Ludorum, an undefeated 2YO champion in Europe, stands at Darley and he has the RF to Helen Street.

Between 2000 and 2022, 284 of the 1,606 Australian Group One races were captured by individuals whose pedigrees demonstrated the Rasmussen Factor. That comes out to what seems like a very healthy 17.7% clip. The question then becomes, what is the percentage of RFs among the general Australian population over this time period? If someone could recommend a method to establish such a figure, it would certainly be appreciated. In the meantime, the suspicion is RFs have indeed outperformed their opportunities for this top level of the population, despite the fact concrete statistical proof seems unattainable.



Hall of Famers

The Australian Racing Hall of Fame (ARHOF) was not established until 2001. As such, it was not cited in BOB or any material since. But as Table 2 attests, a whopping 28.4% of Australia's greatest all-time stars are shown to be RFs. Again and even more so, with no known way to measure the percentage of RFs throughout all of Australian racing history, there is no number to compare the 28.4% to. But after all is considered including the natural impediments to the creation of FFI, I believe one can feel comfortable in saying this is a very impressive share - and another measure of support for the intentional inbreeding to influential matriarchs and their immediate families.

Hall of Famer	Year of foaling	Sire	Inbreeding Pattern
ARCHER	1856	William Tell (GB)	Evelina (GB) 5X5
MALUA	1879	St. Albans (GB)	Marpessa (GB) 5X4
ABERCORN	1884	Chester (Aus)	Paraguay (GB) 4X4
CARBINE (NZ)	1885	Musket (GB)	Brown Bess (GB) 3X4
MERMAN	1892	Grand Flaneur (Aus)	Pocahontas 5X4
WAKEFUL	1896	Trenton (NZ)	Juliet (GB) 5X4
HEROIC	1921	Valais (GB)	Illuminata (GB) 4X3
HALL MARK	1930	Heroic (Aus)	Illuminata (GB) 5X4X5
FLIGHT	1940	Royal Step (Aus)	Chelandy (GB) 4X5
SHANNON	1941	Midstream (GB)	Black Duchess (GB) 5X5
DELTA	1946	Midstream (GB)	Black Duchess (GB) 5X5
STAR KINGDOM	1946	Stardust (GB)	Canterbury Pilgrim (GB) 5X5
LIGHT FINGERS	1961	Le Filou (FR)	Casteline (GB) and Knight of the Garter (GB) 4X4
LEILANI	1970	Oncidium (GB)	Malva (GB) 5X5
SURROUND	1973	Sovereign Edition (IRE)	Delleana (ITY) 5X5
VO ROGUE	1983	Ivor Prince (USA)	Malindi (Ire) and Nasrullah (GB) 4X4X4
DANEHILL (USA)	1986	Danzig (USA)	Natalma (USA) 3X3
MIGHT and POWER	1993	Zabeel (NZ)	All Moonshine (GB) 5X5
NORTHERLY	1996	Serheed (USA)	Flaming Page (CAN) 3X5 & Dinner Partner (USA) 3X5
MAKYBE DIVA	1999	Desert King (IRE)	Natalma 5X5X5X5
WINX	2011	Street Cry (IRE)	Natalma 5X5

Currently, seventy-one individuals have been inducted - twenty-one are RFs (28.4%)

The Darley sire **Victor Ludorum**, an undefeated 2YO champion in Europe, stands at Darley and he has the RF to Helen Street.

