

Gender-Balanced Inbreeding in the Pedigrees of Outstanding Runners

by Kathleen Irwin

Most people understand the concept of **inbreeding** when it comes to Thoroughbred pedigrees. Anytime an ancestor appears more than once in the 5-cross pedigree, this is called "inbreeding." The following example shows a horse inbred to Danzig. (See colored blocks)

PEACE ENVOY (FR) b. C, 2014 {13-c} DP = 1-2-4-1-0 (8) DI = 1.67 CD = 0.38 - GSV = 56.03 - 12 Starts, 3 Wins, 2 Places, 1 Shows Career Earnings: £122,067 in

POWER (GB) b. 2009 (27) 9-5-2-0 £429,539	OASIS DREAM (GB) b. 2000 (44.92) 9-4-2-1 £433,737	GREEN DESERT (USA) br. 1983 (71.68) 14-5-4-1 \$322,967 101 SW	DANZIG (USA) b. 1977 [IC] (82.42)	NORTHERN DANCER (CAN) PAS DE NOM (USA)
	FRAPPE (IRE) b. 1996 6-1-0-0 £4,881	HOPE (IRE) b. 1991 unraced	FOREIGN COURIER (USA) b. 1979	SIR IVOR (USA) COURTLY DEE (USA)
HOH MY DARLING (GB) br. 2002 10-1-1-1 £7,257	DANSILI (GB) br. 1996 (34) 14-5-4-3 £373,602	INCHINOR (GB) ch. 1990 (45) 10-5-1-1 £247,339 490 f, 418 r, 242 w, 28 SW AEI 1.41, CI 1.19	BAHAMIAN (IRE) ch. 1985	LORENZACCIO (GB) HELEN NICHOLS (GB)
	NOW AND FOREVER (IRE) b. 1993 Unraced	DANEHILL (USA) b. 1986 (82.41) 9-4-1-2 \$321,065 2398 f, 1918 r, 1398 w, 347 SW AEI 3.55, CI 2.01	GLATISANT (GB) b. 1991 9-2-1-0 \$47,061 (£31,149) in GB 1 SW	AHONOORA (GB) ch. 1975 (79.2)
		HASIL (IRE)* b. 1991 17-4-3-1 £59,265	RAINBOW QUEST (USA) b. 1981 [CS] (84.08)	BLUSHING GROOM (FR) I WILL FOLLOW (USA)
		KRIS (GB) ch. 1976 (72.65) 16-14-2-0 \$419,995	DANCING ROCKS (GB) b. 1979	GREEN DANCER (USA) CRODA ROSSA (ITY)
		EXCELLENT ALIBI (USA) b. 1981 9-3-0-0 \$8,117 in Fr	DANZIG (USA) b. 1977 [IC] (82.42)	NORTHERN DANCER (CAN) PAS DE NOM (USA)
			RAZYANA (USA) b. 1981	HIS MAJESTY (USA)
			KAHYASI (IRE) b. 1985 (77.69)	SPRING ADIEU (CAN)
			KERALI (GB) ch. 1984	ILE DE BOURBON (USA) KADISSYA (USA)
			SHARPEN UP (GB) ch. 1969 [BC] (73.26)	HIGH LINE (GB)
			DOUBLY SURE (GB) b. 1971	SOOKERA (USA) ATAN (USA)
			EXCELLER (USA) b. 1973 (47.18)	ROCCHETTA (GB)
			CHARMING ALIBI (USA)* ch. 1963	RELIANCE (FR) SOFT ANGELS (GB)
				VAGUELY NOBLE (IRE) TOO BALD (USA)
				HONEY'S ALIBI (USA)
				ADORADA (ARG)

Gender-balanced inbreeding occurs when the ancestor appears as the progenitor of offspring of both genders in the pedigree of the subject animal. For instance, a Northern Dancer son in one part of the pedigree and a Northern Dancer daughter in another part. Or to go one better, a Northern Dancer son producing a daughter, and a Northern Dancer daughter producing a son.

When perusing pedigrees, I often see successful runners which have resulted from one Northern Dancer sire line over another Northern Dancer sire line, and there is nothing wrong with that. But it is my experience that a sort of vigor and stability is added when opposing genders are woven into the tapestry of inbreeding.

ANIMAL KINGDOM (USA) ch. C, 2008 {1-h} DP = 2-0-6-0-0 (8) DI = 1.67 CD = 0.50 - GSV = 59.40 - 12 Starts, 5 Wins, 5 Places, 0 Shows Career Earnings: \$8,387,500

LEROIDESANIMAUX (BRZ) ch. 2000 (27) 13-9-2-0 \$1,658,377 Website	CANDY STRIPES (USA) ch. 1982 (45.32) 6-2-1-0 \$41,738	BLUSHING GROOM (FR) ch. 1974 [BC] (82.97) 10-7-1-2 \$407,153 522 f, 305 w, 93 SW	RED GOD (USA) ch. 1954 (69.44)	NASRULLAH (GB) SPRING RUN (USA)
	DISSEMBLE (GB) ch. 1989 0-0-0-0 Unraced	BUBBLE COMPANY (FR) ch. 1977 12-1-2-4 \$27,027 10 f, 8 r, 6 w, 3 SW	RUNAWAY BRIDE (GB) b. 1962	LYPHARD (USA) b. 1969 [C] (86.72)
DALICIA (GER) b. 2001 24-3-5-4 \$195,532 Website	ACATENANGO (GER) ch. 1982 (67.54) 24-16-0-3 €891,970	AHONOORA (GB) ch. 1975 (79.2) 16-7-7-1 £486,589 425 f, 45 SW AEI 2.23	LORENZACCIO (GB) ch. 1965 (64.8)	NORTHERN DANCER (CAN) GOOFED (USA)
	DYNAMIS (IRE) b. 1991 18-0-2-3 £3,477 5 f, 4 r, 4 w, 1 SW	SURUMU (GER) ch. 1974 (82.91) 9-3-1-2 € 192,507	KERALI (GB) ch. 1984 4-1-0-0 \$5,212	HELEN NICHOLS (GB) ch. 1966
	AGGRAVATE (GB) b. 1966 10-3-2-0 £7,962	LITERAT (GER) br. 1965 (67.54)	HIGH LINE (GB) ch. 1966 (73)	EURIDICE (FR)
	DANCING BRAVE (USA) b. 1983 (73) 10-8-1-0 \$1,776,723 31 SW	SURAMA (GER) blk. 1970	SOOKERA (USA)* dkb/br. 1975	KLAIRON (FR) PHOENISSA (GB)
	DIASPRINA (GER) b. 1986 11-2-?-? € 44,585	AGGRESSOR (GB) b. 1955 (67.54)	IRULE (USA)	MARTIAL (IRE) QUAKER GIRL (GB)
		RAVEN LOCKS (GB) blk. 1945	LIT (GER) LIS (GER)	HIGH HAT (GB)
			LYPHARD (USA) b. 1969 [C] (86.72)	TIME CALL (GB)
			NAVAJO PRINCESS (USA)	ROBERTO (USA) BIRKHAHN (GER)
			ASPROS (GER)	DRONE (USA)
			DORLE (GER)	OLMEC (USA)
				MR JINKS (GB)
				GENTLEMEN'S RELISH (GB)
				NORTHERN DANCER (CAN) GOOFED (USA)
				SPARKLER (IRE)
				ANTWERPEN (GER)
				RHEFFIC (FR)
				DIU (GER)

In the **Animal Kingdom** pedigree above, you see that his Lyphard inbreeding is actually beautifully balanced by gender. The first Lyphard produces a daughter who produces a son. The second appearance of Lyphard shows him producing a son who produces a daughter.

LOPE DE VEGA (IRE) ch. H. 2007 [11-d] DP = 2-1-11-0-0 (14) DI = 1.55 CD = 0.36 - GSV = 60.69 - 9 Starts, 4 Wins, 0 Places, 1 Shows Career Earnings: € 1,188,08:

SHAMARDAL (USA) (1) (2) b. 2002 (27) 7-6-0-0 \$1,931,770	GIANTS CAUSEWAY (USA) (1) (2) ch. 1997 [C] (49.54) 13-9-4-0 E2,031,426 1626 f, 1148 r, 708 w, 130 SW AEI 1.83, CI 2.68, AWD 8.83	STORM CAT (USA) (1) (2) br. 1983 (71.93) 8-4-3-0 \$570,610	STORM BIRD (CAN) (1) (2) b. 1978 (71.05) TERLINGUA (USA) (1) * ch. 1976	NORTHERN DANCER (CAN) SOUTH OCEAN (CAN) SECRETARIAT (USA) CRIMSON SAINT (USA)
	HELSINKI (GB) (1) (2) b. 1993 5-1-0-1 \$23,101 5 f, 4 r, 3 w, 1 SW	MARIAH'S STORM (USA) (1) (2) b. 1991 16-10-2-1 \$724,894	MACHIAVELLIAN (USA) (1) (2) dkb/br. 1987 (75.64) 7-4-1-0 \$357,023 733 f, 73 SW AEI 2.07	RAHY (USA) (1) (2) ch. 1985 (76.07) IMMENSE (USA) (1) b. 1979
LADY VETTORI (GB) (1) b. 1997 7-5-1-1 C 109,916 1 SW	VEVITORI (IRE) (1) (2) b. 1992 (63.76) 5-2-0-1 \$260,087	MACHIAVELLIAN (USA) (1) (2) dkb/br. 1987 (75.64) 7-4-1-0 \$357,023 733 f, 73 SW AEI 2.07	MR. PROSPECTOR (USA) (1) (2) b. 1970 [BC] (78.54) COUP DE FOLIE (USA) (1) * b. 1982	RAISE A NATIVE (USA) GOLD DIGGER (USA) HALO (USA) RAISE THE STANDARD (CAN)
	LADY GOLCONDA (FR) ch. 1992 unraced	AIR DISTINGUE (USA) (1) b. 1980 14-3-4-2 \$145,387	AIR DISTINGUE (USA) (1) b. 1980 14-3-4-2 \$145,387	TROY (GB) (1) (2) b. 1976 (61.6) WATERWAY (FR) ch. 1976
		KENDOR (FR) (1) (2) gr. 1986 (62.96) 9-5-2-0 \$428,288 311 w, 33 SW	SIR IVOR (USA) (1) (2) b. 1965 [IC] (72.39) EURYANTHE (USA) ch. 1975	RAISE A NATIVE (USA) GOLD DIGGER (USA) HALO (USA) RAISE THE STANDARD (CAN)
		LADY SHARP (FR) (1) ch. 1981 10-1-3-1 \$22,740 in FR 12 f, 8 r, 8 w, 3 SW	KENMARE (FR) (1) (2) gr. 1975 (59.04) BELLE MECENE (FR) b. 1982	SIR GAYLORD (USA) ATTICA (USA) NIINSKY (CAN) QUILL (USA)
			SHARPMAN (IRE) (1) (2) ch. 1976 (73) GOLONDRINA (FR) b. 1970	KALAMOUN (GB) BELLE OF IRELAND (GB) GAY MECENE (USA) DJAKA BELLE (FR) SHARPEN UP (GB) MISS MANON (FR) SHESHOON (GB) LA GUELDRA (FR)

French Derby and Guineas winner **Lope De Vega** possesses a similar pedigree exhibiting gender-balanced inbreeding. This time, the duplicated individual is French Champion **Machiavellian**. It is interesting to note that Machiavellian himself has a gender-balanced pedigree, which you can see at this [PedigreeQuery link](#).

Another excellent runner with gender-balanced inbreeding is **Prized**. The winner of the Breeders' Cup Turf and the Molson Export Million has about the most beautiful pedigree I have ever seen, as far as gender balance goes.

PRIZED (USA) b. II, 1986 {8-c} DP = 1-4-15-2-0 (22) DI = 1.32 CD = 0.18 - GSV = 65.13 - 17 Starts, 9 Wins, 2 Places, 3 Shows Career Earnings: \$2,262,555

KRIS S (USA) (1) (2) blk/br. 1977 (74.37) 5-3-1-0 \$53,350 863 f, 748 r, 572 w, 88 SW AEI 2.48	ROBERTO (USA) (1) (2) b. 1969 [C] (90.61) 14-7-3-0 \$339,902 507 f, 452 r, 334 w, 85 SW AEI 3.12	HAIL TO REASON (USA) (1) (2) br. 1958 [C] (82.03) 18-9-2-2 \$328,494 319 f, 218 w, 43 SW	TURN-TO (IRE) (1) (2) b. 1951 [BI] (79.39) NOTHIRDCHANCE (USA) (1) b. 1948	ROYAL CHARGER (GB) SOURCE SUCREE (FR) BLUE SWORDS (USA) GALLA COLORS (USA)
	SHARP QUEEN (USA) (1) b. 1965 14-2-1-2 \$11,775 8 f, 7 r, 6 w, 1 SW	BRAMALEA (USA) (1) * b. 1959 38-8-7-7 \$192,396 9 f, 8 r, 7 w, 1 SW	PRINCEQUILLO (IRE) (1) (2) b. 1940 [IS] (90.74) 33-12-5-7 \$96,550 482 f, 65 SW AEI 3.31	NASHUA (USA) (1) (2) b. 1952 [IC] (79.1) RARELEA (USA) (1) b. 1949
MY TURBULENT MISS (USA) (1) (2) b. 1976 Unraced 15 f, 14 r, 13 w, 6 SW	BRIDGEWORK (USA) (1) br. 1955 13-5-2-2 \$34,897	PRINCE ROSE (GB) (1) (2) b. 1928 [C] (89.61) COSQUILLA (GB) (1) b. 1933	OCCUPY (USA) (1) (2) b. 1941 (35.37) FEALE BRIDGE (GB) (1) ch. 1942	ROSE PRINCE (FR) INDOLENCE (GB) PAPYRUS (GB) QUICK THOUGHT (IRE)
	MY DAD GEORGE (USA) (1) (2) b. 1967 (26) 24-8-5-3 \$334,295	DARK STAR (USA) (1) (2) br. 1950 (64.28) 13-6-2-2 \$131,337 301 f, 24 SW AEI 1.65	BRIDGEWORK (USA) (1) br. 1955 13-5-2-2 \$34,897	ROYAL GEM (AUS) (1) (2) br. 1942 (27.94) ISOLDE (USA) (1) br. 1938
	MABEKKY (USA) b. 1951 57-4-12-8 \$28,830	PETARE (ARG) (1) (2) b. 1951 (54.71) 94-35-2-3 \$284,944 Website	SKYTRACER (USA) (1) b. 1941 (27.27) MODEST QUEEN (USA) (1) b. 1936	PHOTI (GB) FRENCH GEM (AUS) BULL DOG (FR) FIJI (USA)
	BEHAVING DEBY (USA) blk. 1961 18-5-3-1 \$70,109	BEHAVING DEBY (USA) blk. 1961 18-5-3-1 \$70,109	MOSLEM (ARG) (1) b. 1942 (45.09) COLLETTE (ARG) b. 1945	FLARES (USA) BORGIA (GB) BURGOOD KING (USA) BELTTIN (USA) RUSTOM PASHA (GB) MERROSE (GB)
			AMBEHAVING (USA) (1) br. 1954 (63.9) DASHING DEBY (USA) ch. 1955	DIADOCQUE (GB) COLOMBINE (ARG) AMBIORIX (FR) DENTIFRICE (USA) HASTEVILLE (USA) DEBY (USA)

In his 5th generation you will see the stallion Bull Dog twice. In the first appearance, he has a son who has a daughter who has a daughter who has a son. In the next appearance of Bull Dog, he has a daughter who has a son who has a son who has a daughter. It is a perfect mirror image of opposing genders. This may be seen easier in the illustration below:

BULL DOG > son > daughter > daughter > son
 BULL DOG > daughter > son > son > daughter

Another great race horse with gender-balanced inbreeding to Bull Dog was the unforgettable **John Henry**.

JOHN HENRY (USA) br. G, 1975 {8-c} DP = 13-4-9-2-0 (28) DI = 3.31 CD = 1.00 - GSV = 69.42 - 83 Starts, 39 Wins, 15 Places, 9 Shows Career Earnings: \$6,591,860

OLE BOB BOWERS (USA) (♂) (📄) b. 1963 (48.51) 30-6-3-6 \$65,215	PRINCE BLESSED (USA) (♂) (📄) br. 1957 (40.87) 35-8-6-4 \$255,805 176 f, 5 SW AEI .95	PRINCEQUILLO (IRE) (♂) (📄) b. 1940 [IS] (90.74) 33-12-5-7 \$96,550 482 f, 65 SW AEI 3.31	PRINCE ROSE (GB) (♂) (📄) b. 1928 [C] (89.61) COSQUILLA (GB) (♂) b. 1933	ROSE PRINCE (FR) INDOLENCE (GB) PAPYRUS (GB) QUICK THOUGHT (IRE)
	BLUE JEANS (USA) (♂) b. 1950 12-1-1-1 \$3,725	BULL LEA (USA) (♂) (📄) br. 1935 [C] (84.44) 27-10-7-3 \$94,825	BULL DOG (FR) (♂) (📄) br. 1927 [B] (80.16) BLESSED AGAIN (USA) (♂) (*) br. 1932	BULL DOG (FR) (♂) (📄) br. 1927 [B] (80.16) ROSE LEAVES (USA) (♂) (📄) (*) br. 1916
ONCE DOUBLE (USA) (♂) (📄) dkb/br. 1967 19-2-1-4 \$3,123 9 f, 9 r, 8 w, 2 SW	DOUBLE JAY (USA) (♂) (📄) blk/br. 1944 [B] (79.76) 48-17-9-9 \$299,005 Website	BALLADIER (USA) (♂) (📄) blk. 1932 (69.16) 5-3-1-0 \$18,320	BLACK TONEY (USA) br. 1911 [BI] (74.62) BLUE WARBLER (USA) (♂) ch. 1922	PETER PAN (USA) BELGRAVIA (USA) NORTH STAR (GB) MAY BIRD (GB)
	INTENT ONE (USA) ch. 1955 10-1-2-1 \$3,750 2 SW	BROOMSHOT (USA) (♂) blk/br. 1926 126-17-23-16 \$14,770	WHISK BROOM (USA) (♂) (📄) ch. 1907 (85.66) CENTRE SHOT (USA) br. 1905	WAR RELIC (USA) (♂) (📄) ch. 1938 (71.04) LIZ F. (USA) (♂) (*) ch. 1933
		INTENT (USA) (♂) (📄) ch. 1948 (54.73) 21-8-4-6 \$317,775 206 f, 11 SW AEI 1.75	MAHMOUD (FR) (♂) gr. 1933 [IC] (95.31) DUSTEMALL (USA) br. 1927	BLENHEIM (GB) MAH MAHAL (GB) CHICLE (FR) MISS WHISK (USA)

One of my favorite stallions of all time was **Monsun**. When you look at his pedigree, the first thing that pops out is that he is inbred to full siblings Kaiserkrone and Kaiseradler in his fourth generation. That is another neat inbreeding trick altogether. But his gender balance comes from Hyperion in the 5th generation.

MONSUN (GER) dkb/br. H, 1990 {8-a} DP = 0-0-4-1-1 (6) DI = 0.50 CD = -0.50 - GSV = 69.97 - 23 Starts, 12 Wins, 5 Places, 1 Shows Career Earnings: DM 2,088,55

KONIGSSTUHL (GER) (♂) blk/br. 1976 (73) 20-11-7-2 €525,672 384 f, 34 SW	DSCHINGIS KHAN (GER) (♂) (📄) dkb/br. 1961 (73) 33-12-7-7 327 f, 31 SW	TAMERLANE (GB) (♂) (📄) b. 1952 (73) 9-6-1-1 \$37,239	PERSIAN GULF (GB) (♂) (📄) b. 1940 [C] (82.17) EASTERN EMPRESS (GB) b. 1944	BAHRAM (GB) DOUBLE LIFE (IRE) NEARCO (ITY) CHEVELEY LADY (GB)
	KONIGSKRONUNG (GER) (♂) br. 1965 3-1-0-2 \$15,893	DONNA DIANA (GER) (♂) (📄) blk/br. 1956	NECKAR (GER) (♂) (📄) blk. 1948 (78.39)	NECKAR (GER) (♂) (📄) blk. 1948 (78.39) DONATELLA (GER) dkb/br. 1950
MOSELLA (GER) dkb/br. 1985 5-1-2-1 € 10,533 Website	SURUMU (GER) (♂) (📄) ch. 1974 (82.91) 9-3-1-2 € 192,507	TIEPOLETTO (FR) (♂) (📄) br. 1956 (27) ?-6-1-?	TORNADO (FR) b. 1939 (81.06) SCARLET SKIES (FR) br. 1938	TOURBILLON (FR) ROSEOLA (GB) BLUE SKIES (FR) SCARLET QUILL (FR)
	SURAMA (GER) (♂) (📄) blk. 1970 Unraced	KRONUNG (GER) (♂) (*) dkb/br. 1957 8-0-3-2 \$1,279 9 f, 9 r, 9 w	OLYMP (GER) (♂) b. 1942 (67.54) KAISERKRONE (GER) blk. 1952	OLYMP (GER) (♂) b. 1942 (67.54) KAISERKRONE (GER) blk. 1952
MONASIA (GER) (♂) b. 1979 -4-?-?	LITERAT (GER) (♂) (📄) br. 1965 (67.54) 9-3-3-2 \$22,800	BIRKHANN (GER) (♂) br. 1945 (90.45)	LIS (GER) (♂) br. 1960	ALCHIMIST (GER) BRAMOUSE (FR) MASETTO (GER) LIEBESLIED (FR)
	AUTHI (IRE) (♂) b. 1970 (51)	RELIANCE (FR) (♂) (📄) br. 1962 [SP] (73)	SUNCOURT (GB) (♂) br. 1952	TANTIEME (FR) RELANCE (FR) HYPERION (GB) INQUISITION (GB)
	MONACENSIA (GER) (♂) dkb/br. 1969 -4-?-?	AUREOLE (GB) (♂) (📄) ch. 1950 [C] (82.47)	AUREOLE (GB) (♂) (📄) ch. 1950 [C] (82.47)	HYPERION (GB) ANGELOLA (GB) ABOVE SUSPICION (GB) ROSE OF INDIA (GB)
		KAISERADLER (GER) (♂) (📄) blk/br. 1957 (62.96)	MOTETTE (GER) b. 1960	NEBELWERFER (GER) KAISERWURDE (GER) BURGEFF (GER) MORCHEL (GER)

HYPERION > daughter > daughter > son
 HYPERION > son > son > daughter

The list of great horses with this type of inbreeding is quite long and is not a new trend. Here is a *small sampling* of gender-balanced inbreeding stretching back into history:

- [LONG RUNNER](#) (2016)
- [JUSTIFY](#) (2015)
- [ENABLE](#) (2014)
- [SHE'S A MANEATER](#) (2014)
- [HIGHLAND REEL](#) (2012)
- [VA BANK](#) (2012)
- [WINX](#) (2011)
- [BIG ORANGE](#) (2011)

- [ANIMAL KINGDOM](#) (2008)
- [FRANKEL](#) (2008)
- [EBONY FLYER](#) (2007)
- [ZARKAVA](#) (2005)
- [AUTHORIZED](#) (2004)
- [WAR FRONT](#) (2002)
- [TAPIT](#) (2001)
- [CASHIER'S DREAM](#) (1999)

- [MISS TERRIBLE](#) (1999)
- [GALILEO](#) (1998)
- [CARESSING](#) (1998)
- [IPI TOMBE](#) (1998)
- [FUSAICHI PEGASUS](#) (1997)
- [PETRUSHKA](#) (1997)
- [HORSE CHESTNUT](#) (1995)
- [CHESTER HOUSE](#) (1995)

[JET MASTER](#) (1994)
[WATER POET](#) (1993)
[HIDDEN LAKE](#) (1993)
[DISTORTED HUMOR](#) (1993)
[OCTAGONAL](#) (1992)
[HOLY BULL](#) (1991)
[CHEROKEE RUN](#) (1990)
[KINGMAMBO](#) (1990)
[MONSUN](#) (1990)
[POSSIBLY PERFECT](#) (1990)
[DR DEVIOUS](#) (1989)
[PINE BLUFF](#) (1989)
[RHYTHM](#) (1987)
[UNBRIDLED](#) (1987)
[MACHIAVELLIAN](#) (1987)
[MISTER FRISKY](#) (1987)
[SUNDAY SILENCE](#) (1986)
[PRIZED](#) (1986)
[FORTY NINER](#) (1985)
[RAVINELLA](#) (1985)
[AFLEET](#) (1984)
[BET TWICE](#) (1984)
[CRYPTOCLEARANCE](#) (1984)
[MIESQUE](#) (1984)
[SAÇAHUISTA](#) (1984)
[CRÈME FRAICHE](#) (1982)
[SADLER'S WELLS](#) (1981)
[SWALE](#) (1981)
[EILLO](#) (1980)
[ESTRAPADE](#) (1980)
[LANDALUCE](#) (1980)
[COZZENE](#) (1980)
[WILD AGAIN](#) (1980)
[BIG SECRET](#) (1978)
[MISWAKI](#) (1978)
[CODEX](#) (1977)

[GELINOTTE](#) (1977)
[KONIGSSTUHL](#) (1976)
[TRACK ROBBERY](#) (1976)
[JOHN HENRY](#) (1975)
[AFFIRMED](#) (1975)
[BUCKAROO](#) (1975)
[BLUSHING GROOM](#) (1974)
[LATE BLOOMER](#) (1974)
[SEATTLE SLEW](#) (1974)
[BOLD FORBES](#) (1973)
[SIR TRISTRAM](#) (1971)
[EL GATO](#) (1970)
[KARAYEL](#) (1970)
[ROBERTO](#) (1969)
[MAJESTIC PRINCE](#) (1966)
[PINK PIGEON](#) (1964)
[IN REALITY](#) (1964)
[DR FAGER](#) (1964)
[BUCKPASSER](#) (1963)
[GRAUSTARK](#) (1963)
[QUICKEN TREE](#) (1963)
[SEA COTTAGE](#) (1962)
[RAISE A NATIVE](#) (1961)
[NORTHERN DANCER](#) (1961)
[ANILIN](#) (1961)
[DSCHINGIS KHAN](#) (1961)
[NEVER BEND](#) (1960)
[KELSO](#) (1957)
[GRADISCO](#) (1957)
[BOLD RULER](#) (1954)
[GALLANT MAN](#) (1954)
[RIBOT](#) (1952)
[SWAPS](#) (1952)
[CAMARERO](#) (1951)
[PORTERHOUSE](#) (1951)
[TURN-TO](#) (1951)

[FIND](#) (1950)
[NECKAR](#) (1948)
[ROUGH'N TUMBLE](#) (1948)
[YOUR HOST](#) (1947)
[DJEDDAH](#) (1945)
[TUDOR MINSTREL](#) (1944)
[DOUBLE JAY](#) (1944)
[POLYNESIAN](#) (1942)
[PRINCEQUILLO](#) (1940)
[JOHNSTOWN](#) (1936)
[NEARCO](#) (1935)
[HOROMETER](#) (1931)
[HYPERION](#) (1930)
[BLUE LARKSPUR](#) (1926)
[MUMTAZ MAHAL](#) (1921)
[SIR GALLAHAD](#) (1920)
[GLOAMING](#) (1915)
[TEDDY](#) (1913)
[THE TETRARCH](#) (1911)
[BLACK TONEY](#) (1911)
[PRESTIGE](#) (1903)
[ROSEBEN](#) (1901)
[AJAX](#) (1901)
[ROCK SAND](#) (1900)
[COMMANDO](#) (1898)
[BEN BRUSH](#) (1893)
[DOMINO](#) (1891)
[KINGSTON](#) (1884)
[ORMONDE](#) (1883)
[ST. SIMON](#) (1881)
[DAREBIN](#) (1878)
[PILGRIMAGE](#) (1875)
[KINCSEM](#) (1874)
[HARRY BASSETT](#) (1868)
[FASHION](#) (1837)
[ECLIPSE](#) (1764)