# Alabama Express x Poppin' Champagne

Stallion: Alabama Express Standing: Yulong

Stud Fee: \$66,000 (2025) SW/Rnrs: 6.41%



Rating: 79.00%

		Danehill	Danzig
	Redoute's Choice Multiple G1 Producer		Razyana
	Multiple G1 Floudcei	Shantha's Choice	Canny Lad
Alabama Express G1 Producer			Dancing Show
	-	Encosta De Lago	Fairy King Shoal Creek
	Lago Ovation G1 Producer		Royal Applause
		Rekindled Applause	Rekindled Affair
			Last Tycoon
	Written Tycoon	Iglesia	Last Tycoon Yodells
	Written Tycoon G1 Producer		
Poppin' Champagne		Iglesia Party Miss	Yodells
Poppin' Champagne			Yodells Kenmare
Poppin' Champagne		Party Miss	Yodells Kenmare Miss Entertainer Alannon Devil's Zephyr
Poppin' Champagne	G1 Producer	Party Miss	Yodells Kenmare Miss Entertainer Alannon

#### Similar Stakes Winners

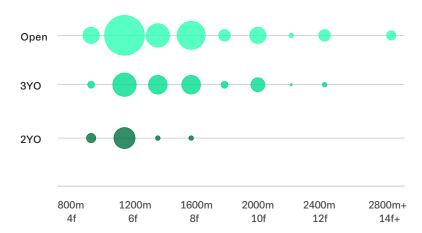
HORSE	G1	G2	G3	L	Similarity
Dashing Eagle F	2	1	1	-	100 %
Ardrossan M	-	-	1	-	71%
Green Birdie M	1	1	1	-	58%
Casino Prince M	1	1	1	-	58%
Machine Gun Gracie F	-	2	1	-	58%
Vibrant Sun F	1	-	1	-	48%
Vavasour F	-	2	1	-	48%
Profound Beauty F	-	-	3	-	48%
Aussies Love Sport M	-	-	1	-	48%
Ardalio F	-	-	1	-	48%
Prince Fawaz M	1	-	-	-	39%
Best Of Bordeaux M	-	2	1	-	39%
Decision Time M	-	1	3	-	39%
King Lionheart M	-	1	-	-	39%
Incentivise M	3	-	1	-	32%
Merchant Navy M	2	1	1	-	32%
Sacred Star M	2	1	1	-	32%
Shout The Bar F	2	1	-	-	32%
Steps In Time F	1	2	1	-	32%
Catalyst M	1	1	1	-	32%
Light Fantastic M	1	1	-	-	32%

#### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

3 Gold	3 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



## Snitzel x Poppin' Champagne

Stallion: Snitzel

Standing: Arrowfield

**Stud Fee:** \$247,500 (2025) SW/Rnrs: 10.63%

4 20/20 Match!

Rating: 76.19%

	Redoute's Choice	Danehill	Danzig Razyana
Snitzel	Multiple G1 Producer	Shantha's Choice	Canny Lad Dancing Show
Multiple G1 Producer	Snippets' Lass	Snippets	Lunchtime Easy Date
	Multiple G1 Producer	Snow Finch	Storm Bird  A Realgirl
	Written Tycoon	Iglesia	Last Tycoon
Poppin' Champagne	G1 Producer	Party Miss	Kenmare Miss Entertainer
	La Paris	Falvelon	Alannon Devil's Zephyr
	La i ano	La Guichet	Al Hareb

#### Similar Stakes Winners

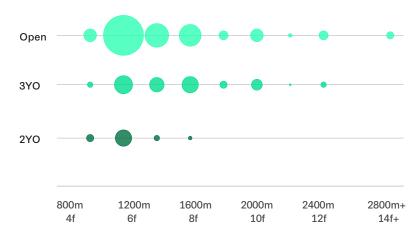
HORSE	G1	G2	G3	L	Similarity
Dashing Eagle F	2	1	1	-	100 %
Ardrossan M	-	-	1	-	71%
Green Birdie M	1	1	1	-	58%
Casino Prince M	1	1	1	-	58%
Best Of Bordeaux M	-	2	1	-	58%
Incentivise M	3	-	1	-	48%
Vibrant Sun F	1	-	1	-	48%
Vavasour F	-	2	1	-	48%
Splintex M	-	2	1	-	48%
Profound Beauty F	-	-	3	-	48%
Aussies Love Sport M	-	-	1	-	48%
Ardalio F	-	-	1	-	48%
Shout The Bar F	2	1	-	-	39%
Prince Fawaz M	1	-	-	-	39%
Decision Time M	-	1	3	-	39%
Champagne Cuddles F	-	1	1	-	39%
Doubtland M	-	1	1	-	39%
King Lionheart M	-	1	-	-	39%
Single Bullet M	-	1	-	-	39%
Merchant Navy M	2	1	1	-	32%
Sacred Star M	2	1	1	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

2 Gold	6 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



# The Autumn Sun x Poppin' Champagne

Stallion: The Autumn Sun Standing: Arrowfield Stud Fee: \$66,000 (2025) SW/Rnrs: 4.32%



Rating:

76.19%

		B 139	Danzig
	Redoute's Choice	Danehill	Razyana
	Multiple G1 Producer		Canny Lad
The Autumn Sun		Shantha's Choice	Dancing Show
Multiple G1 Producer			Sadler's Wells
	Azmiyna	Galileo	Urban Sea
	Multiple G1 Producer		Lear Fan
		Asmara	Anaza
			Last Tycoon
	Written Typeon	Iglesia	Last Tycoon  Yodells
	Written Tycoon G1 Producer		
Poppin' Champagne		Iglesia Party Miss	Yodells
Poppin' Champagne		Party Miss	Yodelis Kenmare
Poppin' Champagne	G1 Producer		Yodells  Kenmare  Miss Entertainer
Poppin' Champagne		Party Miss	Yodells Kenmare Miss Entertainer Alannon

#### Similar Stakes Winners

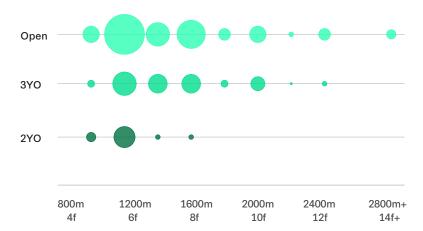
HORSE	G1	G2	G3	L	Similarity
Dashing Eagle F	2	1	1	-	100 %
Vibrant Sun F	1	-	1	-	71%
Ardrossan M	-	-	1	-	71%
Green Birdie M	1	1	1	-	58%
Casino Prince M	1	1	1	-	58%
Vavasour F	-	2	1	-	48%
Profound Beauty F	-	-	3	-	48%
Aussies Love Sport M	-	-	1	-	48%
Ardalio F	-	-	1	-	48%
Prince Fawaz M	1	-	-	-	39%
Best Of Bordeaux M	-	2	1	-	39%
Decision Time M	-	1	3	-	39%
King Lionheart M	-	1	-	-	39%
Incentivise M	3	-	1	-	32%
Sacred Star M	2	1	1	-	32%
Merchant Navy M	2	1	1	-	32%
Shout The Bar F	2	1	-	-	32%
Steps In Time F	1	2	1	-	32%
Catalyst M	1	1	1	-	32%
Light Fantastic M	1	1	-	-	32%
Hucklebuck M	1	-	2	-	32%

#### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

2 Gold	3 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



## Ardrossan x Poppin' Champagne

Stallion: Ardrossan Standing: Waikato

**Stud Fee:** \$20,000 (2024) SW/Rnrs: 9.09%

4 20/20 Match!

Rating: 76.19%

	Redoute's Choice	Danehill	Danzig Razyana
Ardrossan	Multiple G1 Producer	Shantha's Choice	Canny Lad Dancing Show
G2 Producer	Miss Argyle	Iglesia	Last Tycoon Yodells
	G2 Producer	Precious Pearl	Semipalatinsk Showsay
	Written Tycoon	Iglesia	Last Tycoon Yodells
Poppin' Champagne	Written Tycoon G1 Producer	Iglesia Party Miss	
Poppin' Champagne			Yodells Kenmare

#### Similar Stakes Winners

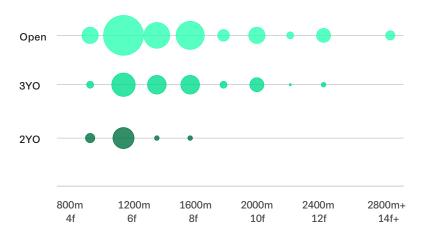
HORSE	G1	G2	G3	L	Similarity
Dashing Eagle F	2	1	1	-	100 %
Ardalio F	-	-	1	-	71%
Green Birdie M	1	1	1	-	58%
Casino Prince M	1	1	1	-	58%
Vibrant Sun F	1	-	1	-	48%
Vavasour F	-	2	1	-	48%
Profound Beauty F	-	-	3	-	48%
Aussies Love Sport M	-	-	1	-	48%
Prince Fawaz M	1	-	-	-	39%
Best Of Bordeaux M	-	2	1	-	39%
Decision Time M	-	1	3	-	39%
King Lionheart M	-	1	-	-	39%
Incentivise M	3	-	1	-	32%
Sacred Star M	2	1	1	-	32%
Merchant Navy M	2	1	1	-	32%
Shout The Bar F	2	1	-	-	32%
Steps In Time F	1	2	1	-	32%
Catalyst M	1	1	1	-	32%
Light Fantastic M	1	1	-	-	32%
Hucklebuck M	1	-	2	-	32%
Sheidel F	1	-	2	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

2 Gold	3 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



## Shamus Award x Poppin' Champagne

Stallion: Shamus Award Standing: Rosemont Stud Fee: \$38,500 (2024) SW/Rnrs: 5.56%



Rating: 71.42%

			Danehill
	Snitzel	Redoute's Choice	Shantha's Choice
	Multiple G1 Producer		Snippets
Shamus Award		Snippets' Lass	Snow Finch
Multiple G1 Producer			Hold Your Peace
	0 15	Success Express	Au Printemps
	Sunset Express Multiple G1 Producer		Luskin Star
		Finito Fling	From The Wood
			Last Tycoon
		Iglesia	Last Tycoon Yodells
	Written Tycoon G1 Producer	<u>Iglesia</u>	
Dansin Champagna		Iglesia Party Miss	Yodells
Poppin' Champagne			Yodells Kenmare
Poppin' Champagne	G1 Producer		Yodells  Kenmare  Miss Entertainer
Poppin' Champagne		Party Miss	Yodells  Kenmare  Miss Entertainer  Alannon

#### Similar Stakes Winners

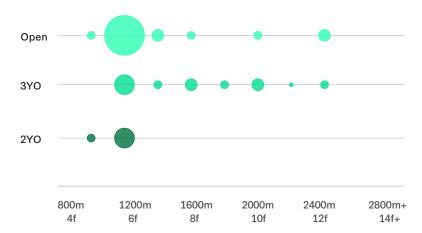
HORSE	G1	G2	G3	L	Similarity
Incentivise M	3	-	1	-	71%
Ardrossan M	-	-	1	-	71%
Best Of Bordeaux M	-	2	1	-	58%
Vibrant Sun F	1	-	1	-	48%
El Patroness F	1	-	-	-	48%
Splintex M	-	2	1	-	48%
Vavasour F	-	2	1	-	48%
Ardalio F	-	-	1	-	48%
Aussies Love Sport M	-	-	1	-	48%
Bella Martini F	-	1	-	-	39%
Battle Hero M	-	-	1	-	39%
Shout The Bar F	2	1	-	-	32%
Machine Gun Gracie F	-	2	1	-	32%
Doubtland M	-	1	1	-	32%
Champagne Cuddles F	-	1	1	-	32%
Single Bullet M	-	1	-	-	32%
Sharnee Rose F	-	-	2	-	32%
Prague M	-	-	2	-	32%
Vulpine F	-	-	1	-	32%
Beneteau M	-	-	1	-	32%
Scallopini M	-	-	1	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

2 Gold	1 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



## Zoustar x Poppin' Champagne

Stallion: Zoustar

Standing: Widden

**Stud Fee:** \$275,000 (2025) SW/Rnrs:

6.26%

4 20/20 Match!

La Caissiere

Rating: 67.09%

	Northern Meteor	Encosta De Lago	Fairy King Shoal Creek
Zoustar	Multiple G1 Producer	Explosive	Fappiano Scuff
Multiple G1 Producer	Zouzou	Redoute's Choice	Danehill Shantha's Choice
	Multiple G1 Producer	Meteor Mist	Star Shower Sunbuster
	Written Tycoon	Iglesia	Last Tycoon  Yodells
Poppin' Champagne	G1 Producer	Party Miss	Kenmare Miss Entertainer
	La Paris	Falvelon	Alannon  Devil's Zephyr
	20 . 0.10	L. C. ish.	Al Hareb

#### Similar Stakes Winners

HORSE	G1	G2	G3	L	Similarity
Tagus M	-	-	1	-	84%
Lean Mean Machine M	-	2	-	-	71%
Machine Gun Gracie F	-	2	1	-	58%
Racing To Win M	5	5	-	-	48%
Alinghi F	4	3	2	-	48%
Vibrant Sun F	1	-	1	-	48%
Right To Party F	-	1	1	-	48%
Admiration M	-	1	-	-	48%
Lectrice F	-	-	1	-	48%
Fifth Avenue Lady F	-	-	1	-	48%
Mugen M	-	-	1	-	48%
Ardalio F	-	-	1	-	48%
Whisky Baron M	1	1	-	-	45%
Countofmontecristo M	-	1	2	-	45%
Joliestar F	2	1	-	-	32%
Sky Field M	1	-	1	-	32%
Costa Viva F	1	-	-	-	32%
North Star Lass F	-	1	-	-	32%
Leviathan M	-	-	1	-	32%

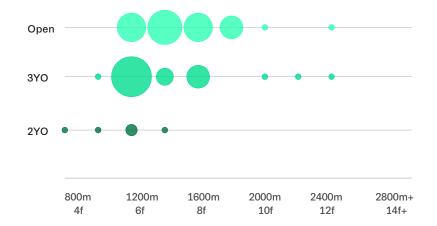
### **Impact Profile Summary**

La Guichet

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

4 Gold	0 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



## Sword Of State x Poppin' Champagne

Stallion: Sword Of State Standing: Cambridge Stud Fee: \$20,000 (2025) SW/Rnrs:

Rating:

61.25%

			Danehill
	Snitzel	Redoute's Choice	Shantha's Choice
	Multiple G1 Producer		Snippets
Sword Of State		Snippets' Lass	Snow Finch
G1 Winner			Fairy King
	In The Vanguard	Encosta De Lago	Shoal Creek
	iii iiio vangaara		Danzero
		Sharp	Snarl
			Last Tycoon
	Written Tycoon	Iglesia	Last Tycoon  Yodells
	Written Tycoon G1 Producer		
Poppin' Champagne		Iglesia Party Miss	Yodells
Poppin' Champagne		Party Miss	Yodells Kenmare
Poppin' Champagne	G1 Producer		Yodells  Kenmare  Miss Entertainer
Poppin' Champagne		Party Miss	Yodells  Kenmare  Miss Entertainer  Alannon

#### Similar Stakes Winners

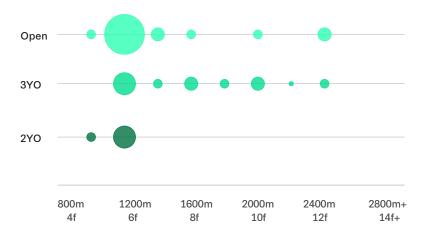
HORSE	G1	G2	G3	L	Similarity
Ardrossan M	-	-	1	-	71%
Best Of Bordeaux M	-	2	1	-	58%
Machine Gun Gracie F	-	2	1	-	58%
Incentivise M	3	-	1	-	48%
Vibrant Sun F	1	-	1	-	48%
Splintex M	-	2	1	-	48%
Vavasour F	-	2	1	-	48%
Aussies Love Sport M	-	-	1	-	48%
Ardalio F	-	-	1	-	48%
Shout The Bar F	2	1	-	-	32%
El Patroness F	1	-	-	-	32%
Doubtland M	-	1	1	-	32%
Champagne Cuddles F	-	1	1	-	32%
Single Bullet M	-	1	-	-	32%
Bella Martini F	-	1	-	-	32%
Sharnee Rose F	-	-	2	-	32%
Prague M	-	-	2	-	32%
Battle Hero M	-	-	1	-	32%
Vulpine F	-	-	1	-	32%
Beneteau M	-	-	1	-	32%
Scallopini M	-	-	1	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

3 Gold	1 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have <b>fallen short of expectations</b> and should be avoided.

#### **Predicted Distance Profile**



## Shinzo x Poppin' Champagne

Stallion:

Standing: Coolmore

**Stud Fee:** \$55,000 (2025) SW/Rnrs:

Shinzo

Rating:

60.82%

			Danehill
	Snitzel	Redoute's Choice	Shantha's Choice
	Multiple G1 Producer		Snippets
Shinzo		Snippets' Lass	Snow Finch
G1 Winner			Southern Halo
	Samaready	More Than Ready	Woodman's Girl
	G1 Winner		Secret Savings
		Samar	Nice Choice
			Last Tycoon
	Written Tycoon	Iglesia	Last Tycoon  Yodells
	Written Tycoon G1 Producer		
Poppin' Champagne		Iglesia Party Miss	Yodells
Poppin' Champagne		Party Miss	Yodells Kenmare
Poppin' Champagne	G1 Producer		Yodells  Kenmare  Miss Entertainer
Poppin' Champagne		Party Miss	Yodells  Kenmare  Miss Entertainer  Alannon

#### Similar Stakes Winners

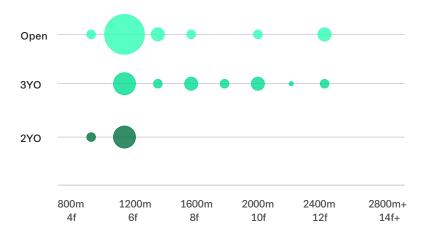
HORSE	G1	G2	G3	L	Similarity
Ardrossan M	-	-	1	-	71%
Best Of Bordeaux M	-	2	1	-	58%
Incentivise M	3	-	1	-	48%
Vibrant Sun F	1	-	1	-	48%
Splintex M	-	2	1	-	48%
Vavasour F	-	2	1	-	48%
Aussies Love Sport M	-	-	1	-	48%
Ardalio F	-	-	1	-	48%
Shout The Bar F	2	1	-	-	32%
El Patroness F	1	-	-	-	32%
Machine Gun Gracie F	-	2	1	-	32%
Doubtland M	-	1	1	-	32%
Champagne Cuddles F	-	1	1	-	32%
Single Bullet M	-	1	-	-	32%
Bella Martini F	-	1	-	-	32%
Sharnee Rose F	-	-	2	-	32%
Prague M	-	-	2	-	32%
Beneteau M	-	-	1	-	32%
Scallopini M	-	-	1	-	32%
Battle Hero M	-	-	1	-	32%
Vulpine F	-	-	1	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

2 Gold	2 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



# Pride Of Dubai x Poppin' Champagne

Stallion: Pride Of Dubai Standing: Coolmore

Stud Fee: \$27,500 (2025) SW/Rnrs:

4.78%

Rating:

60.38%

			Mr. Prospector
	Street Cry	Machiavellian	Coup De Folie
	Multiple G1 Producer		Troy
Pride Of Dubai		Helen Street	Waterway
Multiple G1 Producer			Danzig
	Al America	Danehill	Razyana
	Al Anood Multiple G1 Producer		Artaius
		Eljazzi	Border Bounty
			Last Tycoon
		Iglesia	Last Tycoon  Yodells
	Written Tycoon G1 Producer	Iglesia	
Popoint Champagna		Iglesia Party Miss	Yodells
Poppin' Champagne			Yodells  Kenmare  Miss Entertainer
Poppin' Champagne	G1 Producer		Yodells  Kenmare  Miss Entertainer  Alannon
Poppin' Champagne		Party Miss	Yodells  Kenmare  Miss Entertainer

#### Similar Stakes Winners

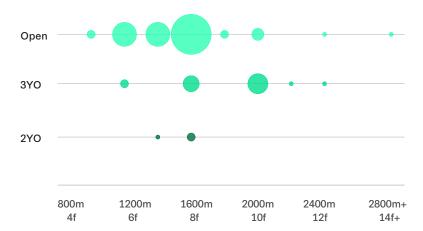
HORSE	G1	G2	G3	L	Similarity
Pride Of Jenni F	3	2	-	-	48%
Tribal Beat M	-	-	1	-	48%
El Vencedor M	4	-	2	-	39%
Self Obsession F	-	3	-	-	39%
Chocante M	-	1	1	-	39%
Cloudy Dawn F	-	-	1	-	39%
Champagne Haze M	-	1	1	-	35%
Prince Of Kahal M	-	1	1	-	35%
Daffodil F	3	-	-	-	32%
Belclare F	2	2	1	-	32%
I Do F	1	-	2	-	32%
Vibrant Sun F	1	-	1	-	32%
Saracino M	-	3	-	-	32%
Hightori M	-	1	2	-	32%
Vatori M	-	1	1	-	32%
Justaskme M	-	1	-	-	32%
Lady Vettori F	-	-	1	-	32%
Lanciato M	-	-	1	-	32%
No Excuse Maggie F	-	-	1	-	32%
Cosmic Storm F	-	-	1	-	32%
Ardalio F	-	-	1	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

1 Gold	4 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**



# Cylinder x Poppin' Champagne

Stallion: Cylinder

Standing: Darley - VIC **Stud Fee:** \$44,000 (2024) SW/Rnrs:

Rating:

60.38%

		Danehill	Danzig
	Exceed And Excel Multiple G1 Producer	Patrona	Razyana  Lomond
Cylinder		rationa	Gladiolus
G1 Winner	_	Street Cry	Machiavellian
	Circular		Helen Street
	G3 Winner	Hexameter	Octagonal
		Trondmotor	Sibylline
		Iglesia	Last Tycoon
	Written Tycoon	Iglesia	Last Tycoon Yodells
	Written Tycoon G1 Producer		
Poppin' Champagne		Iglesia Party Miss	Yodells
Poppin' Champagne		Party Miss	Yodells Kenmare
Poppin' Champagne	G1 Producer		Yodells Kenmare Miss Entertainer
Poppin' Champagne		Party Miss	Yodells  Kenmare  Miss Entertainer  Alannon

#### Similar Stakes Winners

HORSE	G1	G2	G3	L	Similarity
Dashing Eagle F	2	1	1	-	100 %
Casino Prince M	1	1	1	-	58%
Green Birdie M	1	1	1	-	58%
Profound Beauty F	-	-	3	-	48%
Pensierieparole M	-	-	1	-	48%
Kencella M	-	-	1	-	48%
Big Party M	-	-	1	-	48%
Ardrossan M	-	-	1	-	48%
Prince Fawaz M	1	-	-	-	39%
Decision Time M	-	1	3	-	39%
Sacred Star M	2	1	1	-	32%
Merchant Navy M	2	1	1	-	32%
Steps In Time F	1	2	1	-	32%
Microphone M	1	2	-	-	32%
Catalyst M	1	1	1	-	32%
Light Fantastic M	1	1	-	-	32%
Hucklebuck M	1	-	2	-	32%
Sheidel F	1	-	2	-	32%
Vibrant Sun F	1	-	1	-	32%
Devise F	1	-	-	-	32%
Irish Fling F	1	-	-	-	32%

### **Impact Profile Summary**

20 crucial crosses within 4 generations (as indicated by an underline above) are analysed to assess the pedigree's success)

1 Gold	3 Green	0 Red
Total crosses, out of 20 analysed, that have exceeded expectations by more than a factor of 4.	The quantity of crosses, out of 20 analysed, that have exceeded expectations between 2 and 4 times.	The quantity of crosses, out of 20 analysed, that have fallen short of expectations and should be avoided.

#### **Predicted Distance Profile**

