

Sprinter Or Stayer: Testing For A Horse's Best Trip

Case Study: 2014 Magic Millions/Inglis Yearling Sales

During multiple Magic Millions and Inglis Yearling sales throughout 2014, Plusvital carried out a study of 528 yearlings using the Racing GenePak genetic test bundle.

Test Prices

Speed Gene
Test Only

\$395
AUD

\$435
NZ

Racing GenePak
(Speed Gene + Distance Plus Tests)

\$595
AUD

\$655
NZ

The Racing GenePak combines Plusvital's most popular genetic test, The Speed Gene Test, with the more advanced Distance Plus Test, which predicts a horse's optimum race distance to within a couple of furlongs. The Speed Gene Test allows optimum race distance and precocity potential to be predicted with over 90% accuracy, giving additional information that can be used in training, breeding and selection decisions.

The results of this study led to a number of interesting findings:

Overall Population

	No. Horses	% Population
C:C (Sprint/Mile) Type	281	53%
C:T (Middle Distance) Type	216	41%
T:T (Staying) Type	31	6%



How To Order

Contact Plusvital today to see how our Genetic tests can help increase your strike rates and optimise your horse's training program.



AUS / NZ: +353 (0) 12350008
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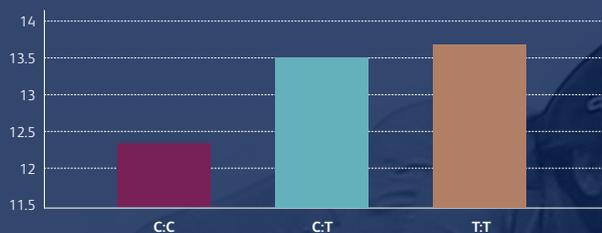


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Average number of months until first race



In keeping with their precocious nature, C:C type horses tended to reach the racecourse earlier than the later maturing C:T and T:T type horses.

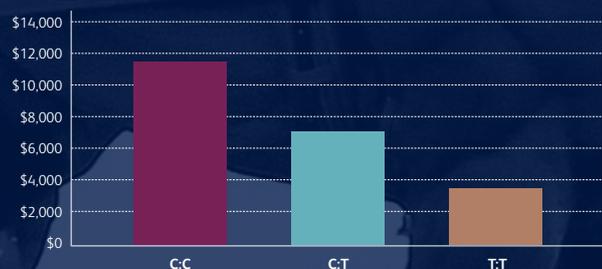
When these horses did race, 31% of C:C type horses won on their first time out, as opposed to 26% of C:T type horses and 19% of T:T type horses, again displaying their late maturing disposition.

Average sales price per horse (AU\$)



On average, C:C types horses tended to sell for 27% more than C:T type horses and 53% more than T:T type horses.

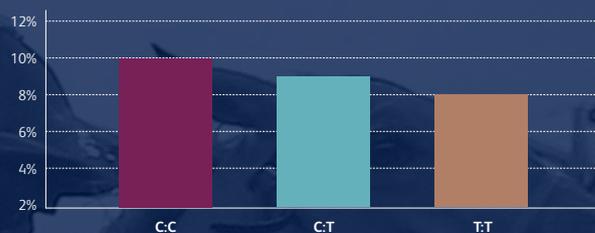
Median Earnings (AU\$)



Similarly, C:C types horses tended to earn 64% more than C:T type horses and over three times as much as T:T type horses.

However, a lack of representation in the study population of T:T type horses in particular, as well as a shortage of opportunities to run at longer distances may contribute to these figures.

Median return per horse

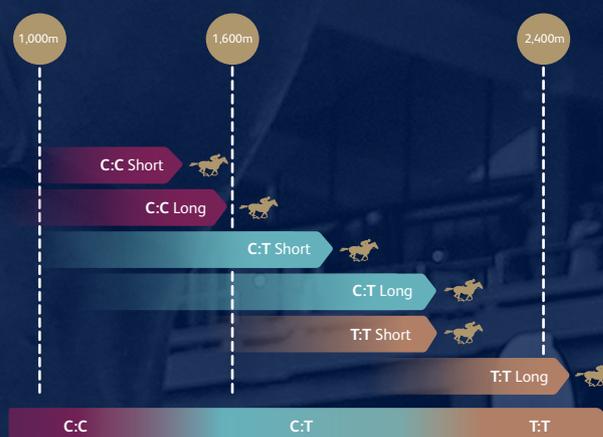


All the Speed Gene types also had a proportionally similar return on their sales price, with C:C type horses representing a 10% return, in comparison with 9% for C:T type horses and 8% for T:T type horses.

Distance Plus Test:

Further refine a horse's BRD to within a few furlongs

Average BRD (all races) (m)



BRD = Best Race Distance: The distance of the highest grade of race that an individual has won.

- 86% C:C Shorts have a BRD of 1,400m or less
- 80% C:C Longs have a BRD between 1,200m and 1,600m
- 2% C:C type horses have a BRD of 1,800m+
- 90% C:T Shorts have a BRD of 1,800m or less
- 97% C:T Longs have a BRD of 2,200m or less
- 100% T:T Shorts have a BRD of 1,400m+
- 80% T:T Longs have a BRD of 1,600m+
- 0% T:Ts have a BRD of 1,400m or less

The results of this study assists trainers in:

- Determining optimum race distance
- Informing expectations on two-year-old performance
- Increasing strike rates and earnings through optimised training and racing decisions.