

## COMPANY PROFILE

### ...harnessing genetic technology

At **Thoroughbred Genetics**, we develop and carry out genetic tests for the racing industry. We empower our clients with genetic tools to help them identify, breed and race thoroughbreds to gain a leading edge. The company was created in 2000 by Dr. Steve Harrison. Our vision was to utilise the power of state-of-the-art genetic technology in conjunction with an in-depth knowledge of genetics and racing to improve the effectiveness of thoroughbred breeding and performance.

Our most recent, patented and scientifically-published genetic research has enabled us to take our expertise beyond the realms of **breeding** into the spheres of **training** and racehorse **performance prediction**.

By harnessing the very latest genetic technology with our in-depth knowledge of breeding and racing, we are effectively fast-forwarding the traditional thoroughbred industry over 200 years into the 21<sup>st</sup> century.

Virtually no sport is untouched by advances in science to increase performance. Racquets, bats and clubs hit harder, shoes help athletes to run faster. Products are stronger, smoother, lighter, and more aerodynamic. In sport, technology is added to enhance performance. In racing, the scientific information is already there in the form of DNA - we are already using it for competitive advantage.

With the possible exception of computer science, the pace of discovery and development within the genetics arena is unparalleled. Genetic science is widespread in the identification and treatment of diseases. In forensics, DNA fingerprinting has an unequivocal accuracy. For well over a decade, routine genetic analysis has been commonly applied to agricultural animals such as sheep and cattle to enhance their genetic management and yields. Yet advances in genetics and DNA technology have largely neglected thoroughbred breeding, which is itself a genetics business.

That is, until now...

**Thoroughbred Genetics** has unlocked genetic performance and prepotency secrets of the thoroughbred racehorse and brought to the market a range of tests, each one invaluable to owners, breeder or trainers. From a single blood sample and our extensive database, we can provide mating recommendations for mares and stallions. We can score the prepotency of potential sires and dams. And, we can assess the inheritance of specific DNA components, which have a direct role on performance.

**Thoroughbred Genetics** is the first commercial organisation in the field of equine performance genetics in the world. We are privileged to be working with some of the best international breeders and horses and we are achieving new milestones consistently.

Not least, we have provided genetics advice for hundreds of **BLACK TYPE** mare matings as well as information on the genetic status and management of winners of GR 1 races, including the Derby, Oaks, Japan Cup, Eclipse Stakes, Arc de Triomphe, International Stakes, Moyglare Stakes, Test Stakes, Ribblesdale Stakes, Beverly Hills Handicap, Matriarch Stakes, Yellow Ribbon Stakes, American Oaks, Beverly D Stakes, Breeders Cup Turf, Fillies Mile Stakes and Melbourne Cup.

**Thoroughbred Genetics** is revolutionising traditional aspects of the thoroughbred industry. We are using valuable genetic information, that has never before been available, to enhance productivity and success in the breeding barns, at the sales and on the track.

Let **Thoroughbred Genetics** help you in your quest to win.

