



Trait Analysis

Royal Solstice WB

HANOVERIAN • 6 YEARS OLD

Executive Snapshot

Royal Solstice WB • Hanoverian

OVERALL RATING

Excellent

COI RISK

Low

PEDIGREE DEPTH

5 generations

Royal Solstice WB boasts a deep, elite Hanoverian and Oldenburg pedigree with outstanding dressage and jumping sires. The primary strength is exceptional movement and rideability, while moderate inbreeding via Donnerhall requires careful mate selection. Breeding focus should prioritize genetic diversity and reinforce jumping scope without compromising temperament.

MODEL CERTAINTY



Confidence reflects model agreement across pedigree, trait, and market sub-models.

Strength-vs-Gap Ranking

All Strengths

Exceptional movement quality

100%

Consistent 9+ scores in trot/canter; elite dressage sires present.

Top Strength

Rideability and temperament

100%

High rideability and character scores; Rubinstein I and De Niro influence.

Top Strength

Proven performance record

100%

Prix St. Georges scores >70%; licensed, tested, producing quality foals.

Top Strength

Correct, modern conformation

98%

16.3hh, powerful hindquarters, elegant neck, uphill build.

Top Strength

Genetic health and soundness

100%

Clear on WFFS, PSSM1, and full panel; no abnormalities.

Top Strength

All Gaps

Moderate inbreeding via Donnerhall

90%

Donnerhall appears on both sides; COI 4.8%.

Critical Gap

Jumping scope slightly secondary

85%

Dressage lines predominate; jumping scores solid but not elite.

Critical Gap

Potential for late maturity

80%

Modern Hanoverian/Oldenburg lines can mature slowly.

Critical Gap

Risk of producing sensitive temperaments

75%

Sandro Hit line can add sensitivity.

Moderate Gap

Limited outcross diversity

80%

Heavy concentration of elite dressage sires.

Critical Gap

Genetic Health Metrics



● Green = Low ● Amber = Moderate ● Red = High

These metrics assess genetic diversity and inbreeding risk. **COI (Coefficient of Inbreeding)** measures the probability that two identical genes came from a common ancestor—lower is better, with <5% considered ideal. **Pedigree Depth** indicates how many generations are documented; deeper pedigrees (4+ generations) enable more accurate genetic analysis. **Inbreeding Index** quantifies the overall relationship between ancestors—values below 0.15 suggest healthy genetic diversity, while higher values may indicate closer linebreeding that requires careful outcrossing in future matings.

Identified Bloodlines

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Identified Bloodlines

DONNERHALL

100%

Appears twice via both sire and dam lines.

Donnerhall is present on both sides, reflecting intentional linebreeding for proven dressage ability. This consolidates movement and rideability but increases inbreeding, so careful outcrossing is advised.

DE NIRO

100%

Direct dam-sire; elite Grand Prix performer.

De Niro is a dominant influence for FEI-level dressage, renowned for producing Olympic horses with exceptional trainability and movement. His presence strongly supports the horse's dressage focus.

WELTMEYER

100%

Maternal grandsire; foundation Hanoverian line.

Weltmeyer is a legendary Hanoverian stallion, known for passing on powerful movement, elasticity, and a modern type. His influence enhances topline, canter, and overall athleticism.

RUBINSTEIN I

95%

Appears via damline; proven dressage progenitor.

Rubinstein I is celebrated for rideability, temperament, and producing amateur-friendly Grand Prix horses. His inclusion supports the horse's marketability and trainability.

SANDRO HIT

90%

Present through maternal great-granddam.

Sandro Hit brings modern type, elasticity, and proven international dressage performance. His line is associated with expressive movement and strong hindquarters.

Notable Ancestors

Donnerhall: Movement, rideability, proven FEI offspring.

Donnerhall's influence is seen in the horse's superior movement and rideability. As a foundation sire, his legacy includes Olympic medalists and top auction horses, making his presence highly desirable.

De Niro: Elite dressage performance, trainability.

De Niro's offspring are renowned for their FEI success and amateur-friendly nature. His genetics reinforce the horse's suitability for high-level dressage and market appeal.

Weltmeyer: Powerful canter, uphill build, elasticity.

Weltmeyer's legacy is evident in the horse's conformation and movement. He is a key modernizer of the Hanoverian breed, known for producing numerous licensed sons and premium mares.

Rubinstein I: Rideability, temperament, amateur suitability.

Rubinstein I's descendants excel in both sport and breeding, valued for their willingness, calmness, and consistent performance. This enhances the horse's appeal to a wide market.

Sandro Hit: Modern type, expressive gaits.

Sandro Hit's line is synonymous with modern, elegant dressage horses. His influence supports the horse's marketability in both sport and breeding contexts.

Special Genetic Considerations

DATA COMPLETENESS

Full 5-generation pedigree with detailed performance records.

Moderate inbreeding coefficient (COI 4.8%): Donnerhall appears twice; linebreeding present.

While linebreeding can consolidate desirable traits, it also increases the risk of reduced genetic diversity. Outcrossing to unrelated lines is recommended for long-term breeding health.

Potential for sensitivity in offspring: Sandro Hit and modern lines can add sharpness. Some descendants of Sandro Hit are known for being sensitive or reactive. Careful mare selection can help maintain a balanced, rideable temperament.

No known genetic disease risk: Full panel clear; WFFS, PSSM1 negative. Genetic testing confirms the absence of known heritable diseases, supporting the horse's value as a safe breeding choice for a wide range of mares.

Potential for late maturity: Weltmeyer, Sandro Hit, and similar lines mature slowly. Offspring may require patient development and careful management during early years, especially for buyers seeking early performance.

Discipline Suitability

H Hunter

While Royal Solstice WB's movement and conformation are impressive, his expressive gaits and uphill build are more suited to dressage than the flatter, ground-covering movement preferred in hunters. He may produce quality hunter prospects when crossed with mares from proven hunter lines, but his primary market will remain dressage and jumping.

D Dressage

This stallion's pedigree is a powerhouse for FEI-level dressage, with Donnerhall, De Niro, Weltmeyer, and Rubinstein I all contributing to superior movement, rideability, and trainability. His own performance record at Prix St. Georges and high rideability scores make him an outstanding choice for breeders targeting the upper echelons of the sport.

J Jumping

Jumping technique is solid, with an 8.8 test score and Pik Bube I influence, but the pedigree leans dressage. Crosses with mares from strong jumping lines (Contender, Baloubet du Rouet) can produce dual-discipline or show jumping prospects, especially for the amateur and young horse markets.

E Eventing

While the pedigree offers some versatility and stamina, the focus on dressage movement and type may limit suitability for upper-level eventing. Offspring could excel in lower-level eventing or combined training, especially when bred to mares with proven jumping and galloping lines.

P Pleasure

Royal Solstice WB's temperament, rideability, and amateur-friendly disposition make him a viable sire for high-end pleasure mounts. Offspring are likely to be attractive, easy to train, and comfortable, appealing to discerning amateur riders seeking both quality and manageability.

RP Ranch Performance

This horse's warmblood type and movement are not optimized for traditional ranch work. While his intelligence and work ethic are assets, his size and conformation are better suited to sport disciplines. For ranch versatility, consider alternative sires with Quarter Horse or ranch-bred Warmblood influence.

Complementary Traits

Jumping scope and technique: Enhance show jumping potential and versatility.

Select mares with proven jumping ability, ideally from lines such as Contender or Baloubet du Rouet, to reinforce scope and technique for dual-discipline offspring.

Genetic diversity/outcross: Reduce inbreeding risk and broaden gene pool.

Prioritize mares with minimal Donnerhall, De Niro, or Weltmeyer influence to maintain heterozygosity and long-term breeding health.

Robustness and early maturity: Balance late-maturing lines; improve early sales prospects.

Mares from lines known for early maturity and soundness, such as Fidertanz or Quaterback, can help produce foals that develop quickly and are market-ready sooner.

Calm, amateur-friendly temperament: Offset potential sensitivity from Sandro Hit.

Choose mares with a proven record of producing rideable, forgiving offspring to ensure the resulting foals are suitable for a broad market.

Strong topline and limb correctness: Reinforce conformation and durability.

Mares with a history of producing correct, durable offspring will complement the stallion's strengths and minimize risk of conformation faults.

Breeding Strategy - Suggested Bloodlines

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Suggested Bloodlines

- 1

CONTENDER

Proven jumping scope and versatility. – Contender mares are renowned for producing top show jumpers and eventers. Crossing with this line can enhance scope and add valuable outcross genetics for both sport and breeding.

95%
- 2

BALOUBET DU ROUET

Elite international jumping and athleticism. – Baloubet du Rouet daughters bring explosive athleticism and proven Grand Prix performance, making them ideal for boosting jumping ability and market appeal.

92%
- 3

FIDERTANZ

Early maturity, rideability, and movement. – Fidertanz mares are known for their early development, excellent movement, and reliable temperaments, providing a strong complement to Royal Solstice WB’s strengths.

90%
- 4

QUATERBACK

Modern type, elasticity, and outcross potential. – Quarterback lines offer modern conformation, expressive movement, and genetic diversity, making them suitable for both dressage and jumping-focused matings.

88%
- 5

JAZZ

Dressage power, proven FEI production. – Jazz mares consistently produce FEI-level dressage horses with expressive gaits and strong topline, providing an outcross with minimal overlap to the current pedigree.

85%

Traits to Avoid

Heavy Donnerhall/De Niro concentration: Further increases inbreeding risk.

Avoid mares with close Donnerhall or De Niro lineage to prevent compounding genetic concentration and potential inbreeding depression.

Sensitive, sharp temperament lines: May amplify sensitivity from Sandro Hit.

Lines known for producing hot or overly sensitive offspring, such as some Ferro or Gribaldi descendants, should be used with caution to maintain amateur suitability.

Late-maturing, heavy-bodied types: May delay development and sales readiness.

Avoid mares from lines with a reputation for slow physical or mental development, as this could impact market timing and training progress.

Lines with known OCD or soundness issues: Protect long-term durability and market value.

Select against mares with a family history of joint or soundness problems, particularly in lines with high sport-horse workload.

Market Forecast

The market for Hanoverian stallions with elite dressage and dual-discipline pedigrees remains strong, especially with proven performance and genetic health. Demand is highest in Europe and North America for FEI prospects and quality breeding stock. Early foal crop results and continued competition success will drive premium pricing.

LOW CASE	EXPECTED CASE	HIGH CASE
\$25,000–\$35,000	\$40,000–\$60,000	\$70,000–\$100,000
(limited exposure, average foal crop results)	(proven performance, strong foal crop, active marketing)	(international results, premium foal sales, high-profile matings)
Conservative estimate	Most likely outcome	Optimal conditions

90-Day Action Plan

Now	Next	Later
Arrange advanced-level competition exposure to further validate performance credentials.	Select outcross mares with strong jumping lines and no close Donnerhall/De Niro.	Market first foal crop with video and performance data to target FEI dressage and dual-discipline buyers. Monitor offspring for temperament and maturity trends, adjusting breeding strategy as needed.

Report generated by Breeding Advisor

Information is advisory only; always consult your veterinarian before breeding.