

Equine Genetic Testing Report



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| Submitted By |
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Subject Horse

Date Received: **6/2/2018**

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| Horse Name: HH Leo Breeze | Lab Reference #: 00110514 |
| Breed: Paint Horse | Registration: 849,112 |
| Phenotype: Buckskin & White Tobiano | Birth: 2005 |
| Sex: Mare | |

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| Sire |
| Sire Name: |
| Breed: |
| Registration: |
| Phenotype: |

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| Dam |
| Dam Name: |
| Breed: |
| Registration: |
| Phenotype: |

Coat Color and Pattern Testing

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|-------------------------------------|------------------|--------------|--|
| <input checked="" type="checkbox"/> | Tobiano | nT | Heterozygous. Horse carries one copy of the Tobiano gene. |
| <input checked="" type="checkbox"/> | Frame Overo | nn | Negative for Frame Overo (LWO). |
| <input checked="" type="checkbox"/> | Sabino 1 | nn | Negative for the Sabino 1 gene. |
| <input checked="" type="checkbox"/> | Splashed White 1 | nn | Negative for the Splashed White SW1 mutation. |
| <input checked="" type="checkbox"/> | Splashed White 2 | nn | Negative for the Splashed White SW2 mutation. |
| <input checked="" type="checkbox"/> | Splashed White 3 | nn | Negative for the Splashed White SW3 mutation. |
| <input checked="" type="checkbox"/> | Appaloosa (LP) | lp/lp | Tested negative for the main Appaloosa LP gene and is NOT affected by CSNB. |
| <input checked="" type="checkbox"/> | PATN1 | n/n | Negative. Horse does not carry the PATN-1 gene mutation. |
| <input checked="" type="checkbox"/> | Red/Black Factor | Ee | Heterozygous. Horse is Black based but carries a recessive copy of the Red gene. |
| <input checked="" type="checkbox"/> | Agouti | Aa | Heterozygous. Horse carries one copy of the Agouti gene. |
| <input checked="" type="checkbox"/> | Cream Dilution | nCr | Heterozygous. Single dilute. Horse carries one copy of the Cream Dilution gene. |
| <input checked="" type="checkbox"/> | Dun Dilution | dd | Negative for currently known markers associated with Dun Dilution. |
| <input checked="" type="checkbox"/> | Silver Dilution | nn | Negative for Silver Dilution. |
| <input checked="" type="checkbox"/> | Champagne | nn | Negative for Champagne Dilution. |
| <input checked="" type="checkbox"/> | Pearl Dilution | nn | Negative for Pearl Dilution. |
| | Gray | | <i>Not Tested</i> |

Genetic Disorders

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|-------------------------------------|--------|------------|--|
| <input checked="" type="checkbox"/> | HYPP | n/n | Clear: Negative for the HYPP gene mutation. |
| <input checked="" type="checkbox"/> | HERDA | N/N | Clear: Negative for the HERDA gene mutation. |
| <input checked="" type="checkbox"/> | GBED | N/N | Clear: Negative for the GBED gene mutation. |
| <input checked="" type="checkbox"/> | MH | n/n | Clear: Negative for the MH gene mutation found in Quarter horses and related breeds. |
| <input checked="" type="checkbox"/> | PSSM 1 | n/n | Clear: Negative for the PSSM Type 1 gene mutation. |
| | FIS | | <i>Not Tested</i> |
| | JEB1 | | <i>Not Tested</i> |
| | JEB2 | | <i>Not Tested</i> |
| | CA | | <i>Not Tested</i> |
| | LFS | | <i>Not Tested</i> |
| | SCID | | <i>Not Tested</i> |
| | OAAM1 | | <i>Not Tested</i> |
| | HWSD | | <i>Not Tested</i> |
| | WFFS1 | | <i>Not Tested</i> |

Additional Comments

None

Genetic Marker Results

Run Date: *Not Tested*

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|-------|-------|-------|-------|-------|------|---------|
| - | - | - | - | - | - | - |
| AHT4 | AHT5 | ASB17 | ASB2 | ASB23 | AME | CA425UK |
| - | - | - | - | - | - | - |
| HMS3 | HMS6 | HMS7 | HTG10 | HTG4 | LEX3 | LEX33 |
| - | - | - | - | - | - | - |
| VHL20 | UM011 | HMS1 | HMS2 | HTG6 | HTG7 | |