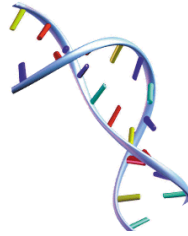


## Equine Genetic Testing Report



|  |
|--|
| Submitted By   |
| Samantha VanSickle<br>Starfire Gypsy Horses<br>P.O. Box 125<br>Dobbins, CA 95935 |

### Subject Horse

Date Received: 7/2/2012

|  |                                  |
|--|----------------------------------|
| Horse Name: <b>Starfire the Five Card Stud</b> | Lab Reference #: <b>00036539</b> |
| Breed: <b>Gypsy Cob</b>                        | Registration:                    |
| Phenotype: <b>Chestnut</b>                     | Birth: <b>2011</b>               |
| Sex: <b>Colt</b>                               |                                  |

| Sire  | Dam   |
|---|---|
| Sire Name: <b>Guthrie Tumbler</b><br>Breed: <b>Gypsy Cob</b><br>Registration:<br>Phenotype: <b>Chestnut</b> | Dam Name: <b>Desert Jewel Parker</b><br>Breed: <b>Gypsy Cob</b><br>Registration:<br>Phenotype: <b>Black</b> |

### Coat Color and Pattern Testing

|          |                  |           |   |
|----------|------------------|-----------|---|
|          | Tobiano          |           | Pending   |
|          | Frame Overo      |           | Pending   |
| <b>X</b> | Sabino 1         | <b>nn</b> | Negative for the Sabino 1 gene.   |
|          | Splashed White 1 |           | Pending   |
|          | Splashed White 2 |           | Pending   |
|          | Splashed White 3 |           | Pending   |
|          | Appaloosa (LP)   |           | Pending   |
| <b>X</b> | Red/Black Factor | <b>ee</b> | Homozygous Red. Horse carries two copies of the Red gene. Horse has a red base pigment. |
| <b>X</b> | Agouti           | <b>Aa</b> | Heterozygous. Horse carries one copy of the Agouti gene.                                |
| <b>X</b> | Cream Dilution   | <b>nn</b> | Negative for Cream Dilution.  |
|          | Dun Dilution     |           | Pending   |
| <b>X</b> | Silver Dilution  | <b>nn</b> | Negative for Silver Dilution.   |
| <b>X</b> | Champagne        | <b>nn</b> | Negative for Champagne Dilution.  |
| <b>X</b> | Pearl Dilution   | <b>nn</b> | Negative for Pearl Dilution.  |
|          | Gray             |           | Pending   |
|          | -----            |           | -   |

### Additional Comments

None

### Genetic Disorders

|          |        |            |  |
|----------|--------|------------|--|
|          | HYPP   |            | Pending  |
|          | HERDA  |            | Pending  |
|          | GBED   |            | Pending  |
| <b>X</b> | PSSM 1 | <b>n/n</b> | Clear: Negative for the PSSM Type 1 gene mutation. |
|          | MH     |            | Pending  |
|          | JEB    |            | Pending  |
|          | CA     |            | Pending  |
|          | LFS    |            | Pending  |

### Genetic Marker Results

Run Date: *Not Tested*

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

CA = Cerebellar Abiotrophy  
 GBED = Glycogen branching enzyme deficiency  
 HERDA = Hereditary equine regional dermal asthenia  
 HYPP = Hyperkalemic Periodic Paralysis  
 JEB1 = Junctional Epidermolysis Bullosa - Belgian Draft Horse  
 JEB2 = Junctional Epidermolysis Bullosa - American Saddlebred  
 LFS = Lavender Foal Syndrome  
 LWO = Lethal White Overo  
 MH = Malignant Hyperthermia  
 PSSM1 = Polysaccharide Storage Myopathy - Type 1

Thank you for choosing Animal Genetics Inc.