

Test Results

Name: Parmela Bonney

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Date Received: 8/21/2008

| Horse Name | Breed | Red Factor | Agouti | Silver |
|--------------------------|-----------------|------------|--------|--------|
| Ten Ls Spirits Afterglow | Miniature Horse | EE | AA | nn |

Result Guide:

Red Factor

- ee** Only the red factor detected. The horse tested homozygous for red pigment. The basic color is chestnut or sorrel, but depending on genes at other color loci, the horse could be red dun, palomino, cremello, gray or white.
- Ee** Both black and red factors detected. The horse tested heterozygous for the red factor. It can transmit either E or e to its offspring. The basic color of the horse will be black, bay or brown, but depending on genes at other color loci, the horse may be buckskin, zebra dun, grullo, perlino, gray, or white.
- EE** Only the black factor detected. The horse tested homozygous for black pigment. It cannot have red foals regardless of the color of the mate. The basic color of the horse will be black, bay or brown, but depending on genes at other color loci, the horse may be buckskin, zebra dun, grullo, perlino, gray or white.

Agouti

- aa** Only recessive allele detected. Black pigment distributed uniformly. The basic color of the horse will be black in the absence of other modifying genes.
- Aa** Horse tested Heterozygous for Agouti. Black pigment distributed in point pattern. The basic color of the horse will be bay or brown in the absence of other modifying genes.
- AA** Only dominant allele detected. Black pigment distributed in point pattern. The basic color of the horse will be bay or brown in the absence of other modifying genes.

Silver Dilution

- zz** Horse tested Homozygous for Silver Dilution (Two copies of the Silver allele detected). Black-based horses will be chocolate with flaxen mane and tail. Bay-based horses will have pigment on lower legs lightened and flaxen mane and tail. No effect on chestnut color.
- nZ** Horse tested Heterozygous for Silver Dilution (One copy of the Silver allele detected). Black-based horses will be chocolate with flaxen mane and tail. Bay-based horses will have pigment on lower legs lightened and flaxen mane and tail. No effect on chestnut color.
- nn** Horse tested negative for Silver Dilution.