

Horse DNA Test Results

Report Date: 6/7/2010

PDSAZ#: H3668

Horse: Dial A Morning Star
Sex: Mare
Sire:
Registry 1: #: 655891
Notes: DOB 4/28/2008

Owner: Loretta Grosset
Breed: Appaloosa
Dam:
Registry 2: #:

Gene	Test Result	Test Explanation
A&At	At/a	The result is a combination of 1) test specific for the recessive version of Agouti 'a'; and 2) test specific for the seal brown version At. At/a = one dose of an Agouti marker for the seal brown allele 'At', and one dose of the recessive non-Agouti allele 'a'. This gene shows an effect on color in horses producing the black hair pigment (= are either E/E, or E/e at the Extension gene); there is no visible effect in a chestnut/red based (e/e) horse. The allele 'At' restricts black hair from around the muzzle, eyes, flanks, inner thighs. An [E/E At/a] or [E/e At/a] horse is expected to have a seal brown base color. When bred, there is a 50% probability of passing either the 'At' or 'a' allele to the offspring.

PET DNA SERVICES of AZ



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