



## Dog Information

Short Acres Connect The Dots (Dottie)

NAME

## INBREEDING AND DIVERSITY

| Genetic Diversity                | RESULT | GENETIC RESULT |
|----------------------------------|--------|----------------|
| Coefficient Of Inbreeding        |        | 8%             |
| MHC Class II - DLA DRB1          |        | No Diversity   |
| MHC Class II - DLA DQA1 and DQB1 |        | No Diversity   |

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## TRAIT TESTS (1/2)

| Coat Color                   | RESULT   | GENETIC RESULT                |
|------------------------------|--|-------------------------------|
| E Locus (MC1R)               | No dark mask or grizzle                                  | Ee                            |
| K Locus (CBD103)             | More likely to have a patterned haircoat                 | k <sup>Y</sup> k <sup>Y</sup> |
| Intensity Loci LINKAGE       | Any light hair likely yellow or tan                      | Intermediate Red Pigmentation |
| A Locus (ASIP)               | Black/Brown and tan coat color pattern                   | a <sup>+</sup> a <sup>t</sup> |
| D Locus (MLPH)               | Dark areas of hair and skin are not lightened            | DD                            |
| Cocoa (HPS3)                 | No co alleles, not expressed                             | NN                            |
| B Locus (TYRP1)              | Black or gray hair and skin                              | BB                            |
| Saddle Tan (RALY)            | Likely saddle tan patterned                              | NN                            |
| S Locus (MITF)               | Likely flash, parti, piebald, or extreme white           | spsp                          |
| M Locus (PMEL)               | No merle alleles   | mm                            |
| R Locus (USH2A) LINKAGE      | Likely no impact on coat pattern                         | rr                            |
| H Locus (Harlequin)          | No harlequin alleles                                     | hh                            |
| Other Coat Traits            | RESULT   | GENETIC RESULT                |
| Furnishings (RSP02) LINKAGE  | Likely unfurnished (no mustache, beard, and/or eyebrows) | II                            |
| Coat Length (FGF5)           | Likely short or mid-length coat                          | GG                            |
| Shedding (MC5R)              | Likely heavy/seasonal shedding                           | CC                            |
| Hairlessness (FOXI3) LINKAGE | Very unlikely to be hairless                             | NN                            |
| Hairlessness (SGK3)          | Very unlikely to be hairless                             | NN                            |

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## TRAIT TESTS (2/2)

| Body Size               | RESULT  | GENETIC RESULT |
|-------------------------|---------|----------------|
| Body Size (IGF1)        | Smaller | II             |
| Body Size (IGFR1)       | Larger  | GG             |
| Body Size (STC2)        | Larger  | TT             |
| Body Size (GHR - E191K) | Smaller | AA             |
| Body Size (GHR - P177L) | Larger  | CC             |

  

| Performance                 | RESULT                    | GENETIC RESULT |
|-----------------------------|---------------------------|----------------|
| Altitude Adaptation (EPAS1) | Normal altitude tolerance | GG             |
| Appetite (POMC) LINKAGE     | Normal food motivation    | NN             |