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DNA Genotype - CERTIFICATE

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Name dog : Aaron Aus Dem Artland
 Registrationnumber : IRV363459
 MicroChipnumber : 276093400451584
 Date of birth : 11-05-2013
 Gender : Rüde

Owner : Stephan Gruber
 Address : Flechtenweg 11
 Town : Meppen
 Country : Germany

Combibreed results

Genotype

Morphology

Body mass, insulin-like growth factor 1 (IGF1) gene variant
 Ear erectness (pricked ears versus floppy ears), variant chr10:11072007
 Natural Bobtail (T-box mutation)
 Snout/skull length (shortened head versus elongated head), bone morphogenetic protein 3 (BMP3) gene variant
 Tiny size, insulin-like growth factor 1 receptor (IGF1R) gene variant

Result

A/G
 C/C
 C/C
 C/C
 G/G

Coat colour

Coat Furnishings (moustache and eyebrows) / Improper Coat in Portuguese Water Dogs, variant chr13:11659792
 Coat Furnishings (moustache and eyebrows) / Improper Coat in Portuguese Water Dogs, variant chr13:11676852
 Color Locus A (ASIP gene): Recessive Black (a allele)
 Color Locus D - Dilution (marker test available for limited breeds)
 Color Locus D (MLPH gene): Dilution, associated marker 1
 Color Locus D (MLPH gene): Dilution, associated marker 2
 Color Locus S - Piebald or extreme white spotting
 Color Locus S - Piebald or extreme white spotting
 Color Pattern - Saddle Tan
 Color Pattern (RALY gene): Saddle Tan
 Colour Locus A
 Colour Locus A (ASIP gene): Black and Tan, Saddle-Tan (at allele)
 Colour locus A (ASIP gene): fawn, sable (ay-allele)
 Colour Locus B (Livernose DNA)
 Colour Locus B (TYRP1 gene): brown, liver (bc allele)
 Colour Locus B (TYRP1 gene): brown, liver (bs allele)
 Colour Locus E
 Colour Locus E (MC1R gene): dark mask (EM allele)
 Colour Locus E (MC1R gene): grizzle, domino (EG allele)
 Colour Locus E (MC1R gene): recessive red, yellow, cream (e allele)
 Colour Locus H
 Colour Locus H (PSMB7 gene): harlequin spots (H allele)
 Colour Locus K
 Colour Locus K (CBD103 gene)

C/C
 G/G
 G/G
 D/d
 ?/?
 G/T
 D/D
 S/S
 ?/?
 -/-
 ay/ay
 T/T
 T/T
 B/B || B/bd ||
 bd/bd
 T/T
 C/C
 Em/Em
 G/G
 G/G
 C/C
 h/h
 T/T
 ky/ky
 I/I

Coat type

Coat length (Long hair)
 Curly coat
 Furnishings / Improper Coat in Portuguese Water Dogs (marker test)

G/G
 C/C
 GG/CC

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P. Schubert, Studbook Manager

