Detection of c.189C>G mutation in T-gene causing short tail in dogs

Result: Based on mutation examination genotype was determined C/G

Explanation

Presence or absence of c.189C>G mutation in T-gene causing naturally short tail in dogs was tested. The naturally occurring short-tail phenotype has dominant expression:

- Dogs carrying the mutation in T-gene (result C/G) have naturally short tails.
- Individuals with C/C result have naturally long tail.
- Mutated homozygous status of T-gene (result G/G) is lethal already in the embryonic period due to serious rachischisis.

Method: SOPAgriseq_canine, ngs

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