

## Dog Information ✨

**Will van 't Cranenbos (Winny)**  
NAME

**Female**  
SEX

**Belgian Shepherd**  
GENETIC BREED

**November 17th, 2017**  
DATE OF BIRTH

**Dutch kennel Club (FCI): NHSB 3107588**  
REGISTRATION





**n/a**  
MICROCHIP

**Marc Peeters**  
OWNER NAME

**Canine Genetic Health Screen**  
TEST

**October 3rd, 2019**  
TEST DATE

## BREED HEALTH TESTS

| DISEASE   | GENE   | GENOTYPE | RESULT |   |
|---|--------|----------|--------|---|
| Degenerative Myelopathy   | SOD1   | GG       | Clear  |    |
| Spongy Degeneration with Cerebellar Ataxia 1 (SDCA1), SeSAME/EAST | KCNJ10 | AA       | Clear  |    |
| Spongy Degeneration with Cerebellar Ataxia 2 (SDCA2)              | ATP1B2 | AA       | Clear  |   |
| Mucopolysaccharidosis Type VII, Sly Syndrome                      | GUSB   | GG       | Clear  |  |

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## TRAIT TESTS (1/2)

| Coat Color                                       |  | RESULT                        |
|--|--|-------------------------------|
| E Locus (MC1R)                                   | Can have a melanistic mask                               | E <sup>m</sup> E <sup>m</sup> |
| K Locus (CBD103)                                 | More likely to have a patterned haircoat                 | k <sup>y</sup> k <sup>y</sup> |
| A Locus (ASIP)                                   | Fawn Sable coat color pattern                            | a <sup>y</sup> a <sup>t</sup> |
| D Locus (MLPH)                                   | Dark areas of hair and skin are not lightened            | DD                            |
| B Locus (TYRP1)                                  | Black or gray hair and skin                              | BB                            |
| Saddle Tan (RALY)                                | Not expressed  | NN                            |
| M Locus (PMEL)                                   | No merle alleles   | mm                            |
| Other Coat Traits                                |  | 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                            |
| Coat Texture (KRT71)                             | Likely straight coat                                     | CC                            |
| Hairlessness (SGK3)                              | Very unlikely to be hairless                             | NN                            |
| Hairlessness (FOXI3) LINKAGE                     | Very unlikely to be hairless                             | NN                            |
| Oculocutaneous Albinism Type 2 (SLC45A2) LINKAGE | Likely not albino  | NN                            |
| Other Body Features                              |  | RESULT                        |
| Muzzle Length (BMP3)                             | Likely medium or long muzzle                             | CC                            |
| Tail Length (T)                                  | Likely normal-length tail                                | CC                            |

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## TRAIT TESTS (2/2)

| Body Size               |              | RESULT |
|-------------------------|--------------|--------|
| Body Size (IGF1)        | Larger       | NN     |
| Body Size (IGFR1)       | Larger       | GG     |
| Body Size (STC2)        | Larger       | TT     |
| Body Size (GHR - E195K) | Intermediate | GA     |
| Body Size (GHR - P177L) | Larger       | CC     |

| Performance                 |                           | RESULT |
|-----------------------------|---------------------------|--------|
| Altitude Adaptation (EPAS1) | Normal altitude tolerance | GG     |

| Genetic Diversity                |  | RESULT         |
|----------------------------------|--|----------------|
| Coefficient Of Inbreeding        |  | 9%             |
| MHC Class II - DLA DRB1          |  | Low Diversity  |
| MHC Class II - DLA DQA1 and DQB1 |  | High Diversity |