

## **INTO THE GENOME OF GERMAN SHEEP POODLE**

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German Sheep Poodle are a breed of old German herding dogs. They are mid-sized, friendly and intelligent working dogs. Currently, breeders undertake efforts to preserve the German Sheep Poodle among others by targeting it as family pet and therapy dog.

No exception to other dog breeds or other mammals, the breed is affected by cryptorchidism, which describes the absence of one or both testes from the scrotum in males. This disease, which also occurs in humans, is a common defect of the male genital tract, and associated with several complications, such as e.g. reduced fertility, or an increased risk for tumors. It affects up to 10% of all male puppies. A hereditary basis for cryptorchidism in dogs is suggested and heritability of cryptorchidism may be influenced through genetic selection. However, studies on canine cryptorchidism and its underlying causes remain scarce. We contribute to the understanding of canine cryptorchidism by taking a look into German Sheep Poodle genetics and genome.