

## Informationsbrev från Antagene.

"Several month ago, ANTAGENE laboratory have ask you for funds to develop a new tool: the HSIMS tool.

Today, I am very pleased to inform you that this **HSIMS tool is now available**.

Indeed, every Bernese Mountain dog owner can now log in to his ANTAGENE account (<https://client.antagene.com/>) and use this free of charge world-wide tool for breeding decisions.

As a reminder, thanks to a three-way collaboration between CNRS, Antagene and the French Association of the Swiss Mountain Dog (AFBS) in 2012, a genetic risk test was developed to reduce the Histiocytic Sarcoma's impact on the breed: the SH test.

HSIMS (Histiocytic Sarcoma Index Mate Selection) is a tool for the mating selection regarding the SH index of the parents. It calculates, for the next generation, in percentages, the distribution of A, B and C indexes for a specific mating, considering all the SH genotypes possible in the next generation.

HSIMS tool allows the user to:

- select the matings that would statistically produce the best indexes
- choose the best partner for one stud-dog
- find the best mating for its Bernese Mountain Dog with a C index
- avoid "risky" matings

For more information, please visit <https://www.antagene.com/en/antagene/why-use-hsims>

I would like to express our thanks and gratitude to the donating clubs, which are in alphabetical order:

AUSTRIA  
CZECH REPUBLIC  
FRANCE  
GERMANY (DCBS)  
SLOVAKIA  
SLOVENIA  
SWEDEN (the Swedish Foundation for Healthier Swiss Mountain Dogs)  
SWITZERLAND  
USA