

Animal : **Brookwood Kaia Rose**

Identification No. :	900 263 002 817 387	Owner :	Jaime CONWAY
Breed :	Bernese Mountain Dog	Sample No. :	E01071377 (sampled on 17/06/2026)
Gender :	Female	Result code :	A00146655
Birth date:	20/03/2025	Sample type :	Blood
Pedigree :		Sampler :	Samantha ROCCO
			Sample authenticated
Result validated on :	02/07/2026	Document issued on :	02/07/2026

DISEASES	GENE Mutation	Expression mode	RESULT	EXPRESSION	TRANSMISSION
				✓	✓
Degenerative Myelopathy					
DM	SOD1 c.118G>A	Autosomal recessive	Normal homozygous	✓	✓
DM-sod1B	SOD1 c.52A>T	Autosomal recessive	Normal homozygous	✓	✓
von Willebrand Disease (vWD1)	VWF c.7142C>T	Autosomal recessive	Normal homozygous	✓	✓
Multidrug Sensitivity (MDR1)	MDR1 (ABCB1) c.227_230delATAG	Autosomal codominant	Normal homozygous	✓	✓

INTERPRETATION OF THE RESULT	EXPRESSION	TRANSMISSION
Normal homozygous : the animal carries 2 normal copies of the gene. Heterozygous : the animal carries a normal copy and a defective copy of the gene. Mutated homozygous : the animal carries 2 defective copies of the gene.	✓ The animal will not develop the form of the disease associated to the tested mutation. ! The animal will develop the disease without being able to predict the age of onset or severity of symptoms.	The animal does not transmit the tested mutation. The animal will transmit the tested mutation to all or part of its offspring. Reproduction is to be avoided or adapted according to the disease and the associated frequency.