

Pedigree of: *Fuglejaeger Scout v Grace Litter*

COI (10 Gen): 0.4208%

COI (Coefficient of Inbreeding) is a calculation made for a proposed breeding where data from 10-generations (2,046 dogs) is used to calculate how closely related the dogs being bred are to each other. A COI of less than 10% indicates an outbreeding (two mostly unrelated dogs are being bred). A COI of 10-25% represents a linebreeding, which is the breeding of two dogs primarily belonging to the same a family of dogs. A COI of 30% represents a very strong linebreeding, heading into inbreeding territory. An inbreeding is a breeding between two very closely-related dogs. Inbreeding occurs when the same dog appears multiple times in the 2nd or 3rd (sometimes 4th) generation of a pedigree. Father/daughter, mother/son, brother/sister are always inbreedings.

COR (R=)(Coefficient of Relationship) helps explain the value in the COI by determining which dogs in the pedigree are linebred and which are outbred, especially in the first 2 generations. When linebreeding, you want the best representatives of your breed (the “stars”) to make up the highest genetic percentage. You want your stars to be the dogs who appear more than once in the first four generations on your pedigrees.

PARENTS	GRANDPARENTS	GREAT GRANDPARENTS	GREAT GREAT GRANDPARENTS
SIRE: HnrCH/IntCH/NatCH Fuglejaeger D Jixer R=50.3151% Reg No.: SM-004144	Pixer Jixer van de Chesannehof R=25.7875% Reg No.: 2897146	Farouche van de Chesannehof R=14.1389%	Dieter von Chica's Auslese R=8.5769% (4 ~)
		Eline Evita van de Chesannehof R=12.6687%	Esta vom Rachelberg R=7.7006% (4 ~)
			Fedor v Doyenwerth R=6.2369% (4 ~)
		Hedekov's Judy R=24.9476% Reg No.: 04783/2013	Horsia's Miki R=12.4738%
	Rotuas F-Emil R=6.2369% (4 ~)		
	Hedekov's Henna R=12.4738%		Horsia's Lady R=6.2369% (4 ~)
			Uldjydens Heino R=6.2369% (4 ~)
	DAM: IntCH Brush Dale's Va Va Voom R=50.3691% Reg No.: SM-004519	Dag Zimni vrch R=25.4371% Reg No.: SM-003927	Dor Ulja Morava R=13.5316%
Aida Zimni vrch R=13.0403%			Nancy Buremi R=7.6095% (~ 4)
			Marko Eben-Ezer R=7.1750% (~ 4)
IntCH Brush Dale's Brown-Eyed Girl R=25.8349% Reg No.: SM-002840			Charly von Sandloh R=13.6438%
		Benn vom Bernstein R=6.2369% (~ 4)	
		Cendy's Riverhills Anna Die Jaegerin R=13.2073%	Uleika aus der Wolfskammer R=8.5769% (~ 4)
			Dexter vom Munsterland R=7.3376% (~ 4)
		Cendy von der Fuchs-Heidi R=6.6267% (~ 4)	

Unique Ancestors. If a dog is on a 10-generation pedigree 20+ times and is a “star,” this is an advantage to the quality of the litter. If an average dog appears this many times, you may see unfavorable results from the breeding. Also, it is important to see if the unique number is represented in the front of the pedigree or the rear, as this will help determine where the strong genetic flow is coming from. Examples: a stud dog with a low unique number (linebred) will contribute more DNA than will a stud dog with a high unique number (outcross). A stud dog with a low unique number (linebred) will produce puppies more like him (especially if bred to a bitch with a much higher unique number). A stud dog with a high unique number (outbred) when bred to a bitch with a low unique number (linebred) will produce pups more like the mother.