

Supplementary file S1

Background of dog-handler teams selected to *Cronartium pini* training. Dog's age = years at the time of applying. Dog's health at the time of applying: 1 = poor (has permanent health issues), 2 = fair (has at least monthly health issues), 3 = moderate (no symptoms with medication that can be granted exemption permit by Finnish Kennel Club anti-doping guidelines), 4 = good (no permanent health issues), 5 = excellent (no health issues).

DOG CODE	DOG'S AGE	DOG'S BREED	DOG'S GENDER	DOG'S HEALTH	HANDLER'S DOG TRAINING EXPERIENCE	HANDLER'S SCENT WORK EXPERIENCE	DROP OUT	REPLACEMENT DOG	NO. OF LINE-UP TESTS PARTICIPATED	PARTICIPATED IN <i>C. PINI</i> FIELD TEST FOR YOUNG FOREST AREA
TR_D01	4	Belgian Shepherd, Groenendael	Female	4	hobby	hobby			2**	
TR_D02	7	Belgian Shepherd, Groenendael	Male *	4	hobby	hobby		x	3**	x***
TR_D03	4	Pyrenean Shepherd, Smooth-faced	Female	5	hobby	hobby			4**	x***
TR_D04	3	Labrador retriever	Female*	4	work	hobby			4**	x
TR_D05	1	Labrador retriever	Female	5	work	no experience		x	2**	x
TR_D06	2	Belgian Shepherd, Malinois	Female	5	work	work	x		0	
TR_D07	4	Dutch Shepherd, short-haired	Female	5	work	work	x		0	
TR_D08	3	English Springer Spaniel	Male	5	work	hobby	x		1	
TR_D09	3	Bohemian Shepherd	Female	4	hobby	hobby	x		1	

* neutered

** included participating to final indoor scent detection line-up test

*** Participated in the field test during the aeciospore dissemination period of the autoecious life-cycle form of *C. pini* on Scots pine in a young Scots pine forest in Pudasjärvi, and on leaves of alternate hosts in plant sample plots, as well as old lesions of the heteroecious life-cycle form *C. pini* on Scots pine in Kolari.