Fig. S1

a) Relationship between vegetation cover and DNA yields ($\mu g\ g^{-1}$ soil dry weight) by the tested methods. Box diagram of medians and respective quartiles. Abbreviations stand for DNA extraction methods (see Materials and Methods).

b) Correlation between DNA yields ($\mu g\ g^{-1}$ soil dry weight) and numbers of bacteria (per g soil dry weight) separately in soils of low (<20%; full line) and high (>20%; dashed line) clay content. Averages of three DNA yields over one method are given.
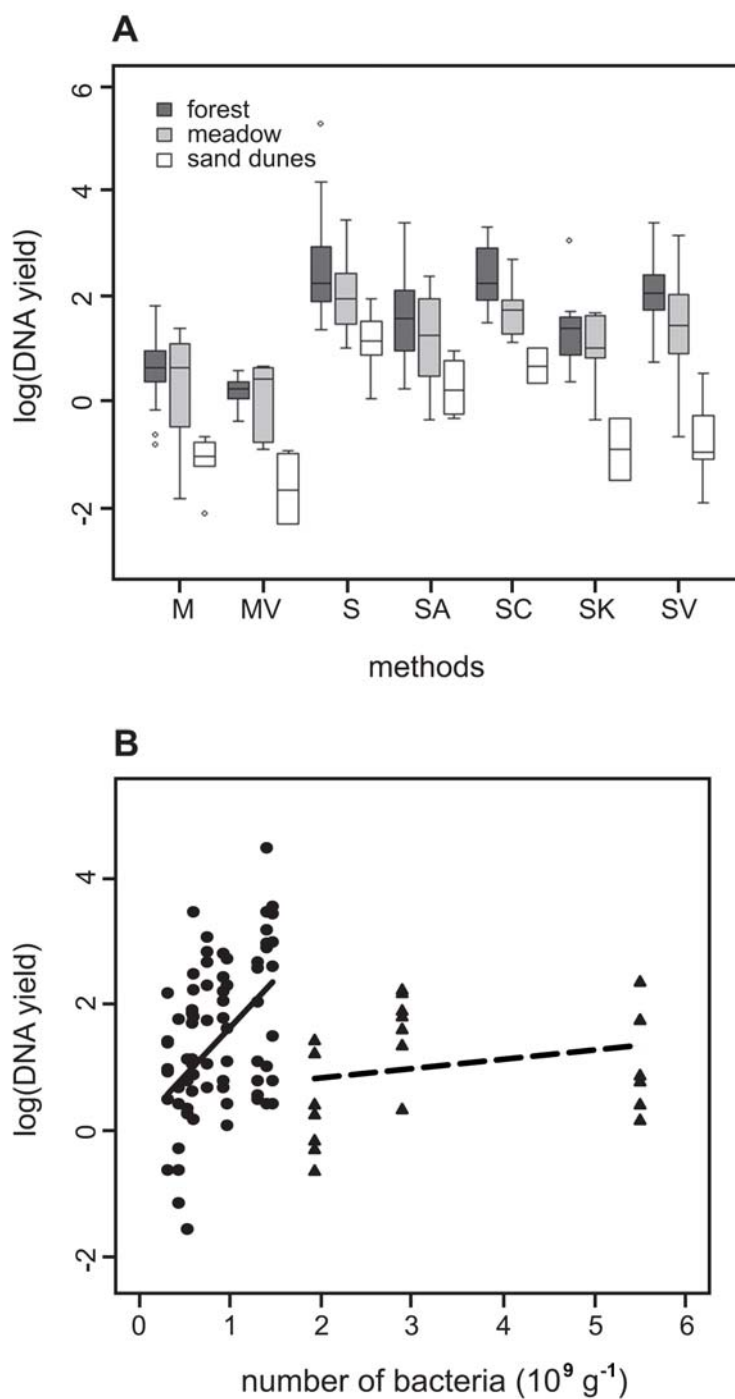
Table S1

DNA yield averages (μg g^{-1}) and respective standard deviations (in the brackets) of three measurements. Abbreviations stand for DNA extraction methods (see Materials and Methods).

Vegetation type	Clay content	DNA yield [μg.g^{-1}]						
Site		M	MV	S	SA	SC	SK	SV
Forest								
Alpilles		2.0 (0.5)	1.4 (0.4)	29.9 (24.5)	17.2 (9.0)	26.7 (7.0)	4.0 (2.0)	11.8 (1.5)
Kotyz		2.5 (0.6)	1.4 (0.2)	74.2 (83.8)	16.9 (12.5)	27.5 (6.5)	20.8 (8.1)	15.8 (9.4)
Meluzina		2.0 (0.7)	1.6 (0.1)	11.5 (6.0)	2.7 (0.1)	12.6 (8.1)	1.5 (0.4)	6.8 (0.7)
Nechranice	> 20 %	1.4 (0.6)	1.1 (0)	5.2 (1.1)	2.0 (0.7)	9.4 (3.8)	2.2 (1.2)	5.2 (0.9)
Podyji		2.2 (1.2)	1.1 (0.3)	27.5 (21.0)	8.2 (2.8)	5.4 (1.2)	2.7 (1.4)	10.5 (1)
Srbsko	> 20 %	3.5 (1.9)	1.3 (0)	7.9 (1.1)	6.0 (0.5)	4.5 (1.0)	5.5 (2.3)	8.3 (2.3)
Trebon		1.4 (1.0)	1.0 (0.3)	13.3 (5.9)	2.7 (0.2)	8.8 (1.4)	4.5 (2.1)	8.8 (1.6)
Meadow								
Bozi Dar		1.5 (1.8)	0.5 (0.1)	7.8 (2.7)	2.4 (0.4)	3.6 (1.4)	2.3 (1.3)	3.7 (0.9)
Devin		2.6 (0.9)	1.8 (0.2)	18.6 (9.3)	8.8 (1.8)	14.8 (2.1)	5.1 (1.5)	12.6 (2.0)
Oblik		2.2 (0.9)	1.7 (0.2)	6.0 (3.7)	2.6 (1.9)	5.7 (3.2)	2.8 (0.2)	4.9 (1.0)
Rynholec	> 20 %	1.2 (1.0)	0.5 (0)	3.8 (0.8)	1.4 (0.2)	3.1 (1.2)	0.7 (0.1)	0.8 (0.3)
Slanisko Nesyt		2.0 (1.2)	1.8 (0.1)	10.0 (2.4)	8.0 (1.3)	6.9 (2.3)	5.3 (1.9)	14.4 (2.2)
Scattered vegetation								
Saline Giraud		0.5 (0.1)	0.3 (0.2)	5.2 (1.3)	1.8 (0.9)	1.4 (0.7)	0.7 (0.1)	0.3 (0.3)
Slepici vrch		0.2 (0.1)	0.2 (0.1)	2.0 (0.7)	1.3 (0.5)	2.8 (0.3)	0.2 (0.1)	1.2 (0.1)

Table S2

The number of T-RF lengths detected at three sites according to the tested methods.

Abbreviations stand for DNA extraction methods (see Materials and Methods).

	M	MV	S	SA	SC	SK	SV
eubacteria							
Oblik	38	43	37	43	43	53	54
Saline de Giraud	16	26	20	35	31	32	13
Srbsko	27	38	41	44	49	37	43
actinomycetes							
Oblik	31	36	38	33	27	38	34
Saline de Giraud	23	15	35	24	22	37	20
Srbsko	33	35	31	33	39	46	39