Uncovering depth and spatial patterns of soil eDNA in arid regions

Community Ecology

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Online Resource 8

Mean Numbers of Key ASVs Encountered with Increasing Numbers of Randomly Selected Sample Points per Transect within Each Habitat Type

Table OR8-1. For each habitat type (HT) and number of randomly selected sample points (Npts) per transect the mean number ($\bar{x}$) of key ASVs encountered, as well as standard deviation and standard error of that mean value. The number of iterations (N; maximum = 100) in which at least one key ASV was identified (NA = not applicable, as all sample points incorporated and no random subsets of sample points iteratively generated). The 95% confidence interval around the mean is also provided.

HT	Npts	$\bar{x}$KeyASVs	sdKeyASVs	seKeyASVs	N	95% CI	Lower 95% CI Value	Upper 95% CI Value
GRASS	1	16.730	7.793	0.779	100.000	0.153	16.577	16.883
DESRT	1	4.263	6.259	0.626	38.000	0.199	4.064	4.462
ENCNL	1	1.304	0.559	0.056	23.000	0.023	1.282	1.327
PNOAK	1	9.376	7.020	0.702	93.000	0.143	9.234	9.519
GRASS	2	26.700	8.302	0.830	100.000	0.163	26.537	26.863
DESRT	2	7.000	7.226	0.723	58.000	0.186	6.814	7.186
ENCNL	2	1.212	0.457	0.046	52.000	0.012	1.199	1.224
PNOAK	2	23.610	9.434	0.943	100.000	0.185	23.425	23.795
GRASS	3	34.580	10.001	1.000	100.000	0.196	34.384	34.776
DESRT	3	8.787	8.494	0.849	75.000	0.192	8.594	8.979
ENCNL	3	1.616	0.967	0.097	73.000	0.023	1.594	1.639
PNOAK	3	42.780	11.057	1.106	100.000	0.217	42.563	42.997
GRASS	4	44.140	10.476	1.048	100.000	0.205	43.935	44.345
DESRT	4	12.169	9.740	0.974	89.000	0.202	11.966	12.371
ENCNL	4	1.954	1.044	0.104	87.000	0.022	1.932	1.976

PNOAK	4	61.230	9.837	0.984	100.000	0.193	61.037	61.423
GRASS	5	47.850	10.657	1.066	100.000	0.209	47.641	48.059
DESRT	5	12.874	10.398	1.040	95.000	0.209	12.665	13.083
ENCNL	5	2.436	1.178	0.118	94.000	0.024	2.412	2.460
PNOAK	5	77.860	10.674	1.067	100.000	0.209	77.651	78.069
GRASS	6	54.600	9.626	0.963	100.000	0.189	54.411	54.789
DESRT	6	18.071	9.898	0.990	99.000	0.195	17.876	18.266
ENCNL	6	2.375	1.098	0.110	96.000	0.022	2.353	2.397
PNOAK	6	90.690	9.007	0.901	100.000	0.177	90.513	90.867
GRASS	7	62.400	8.769	0.877	100.000	0.172	62.228	62.572
DESRT	7	19.859	9.870	0.987	99.000	0.194	19.664	20.053
ENCNL	7	3.250	1.170	0.117	96.000	0.023	3.227	3.273
PNOAK	7	108.120	6.411	0.641	100.000	0.126	107.994	108.246
GRASS	8	69.240	6.066	0.607	100.000	0.119	69.121	69.359
DESRT	8	23.690	7.906	0.791	100.000	0.155	23.535	23.845
ENCNL	8	3.570	0.742	0.074	100.000	0.015	3.555	3.585
PNOAK	8	122.550	6.382	0.638	100.000	0.125	122.425	122.675
GRASS	9	78	NA	NA	NA	NA	NA	NA
DESRT	9	28	NA	NA	NA	NA	NA	NA
ENCNL	9	4	NA	NA	NA	NA	NA	NA
PNOAK	9	139	NA	NA	NA	NA	NA	NA