

Development of an indexed score to identify the most suitable sampling method to assess occupational exposure to fungi

Renata Cervantes; Marta Dias; Bianca Gomes; Elisabete Carolino and Carla Viegas

Table S1. Model 5: Interception of 3 models (Sampling Methods + Sampling Site + Culture Media).

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Testing			Exp(B)	95% Wald Confidence Interval for Exp(B)	
			Lower	Upper	Wald chi-square	df	Sig.		Lower	Upper
(Intercept)	2,090	0,1467	1,802	2,377	202,915	1	0,000	8,082	6,062	10,774
Six-stage Andersen Millipore	0,129	0,1108	-0,089	0,346	1,347	1	0,246	1,137	0,915	1,413
Air Sampler	-0,294	0,1237	-0,537	-0,052	5,656	1	0,017	0,745	0,585	0,950
EDC	-0,376	0,1267	-0,625	-0,128	8,825	1	0,003	0,686	0,535	0,880
Surface Swabs	-0,687	0,1397	-0,960	-0,413	24,149	1	0,000	0,503	0,383	0,662
Settled Dust	0 ^a							1		
Dormitory	0,177	0,1656	-0,147	0,502	1,147	1	0,284	1,194	0,863	1,652
Locker Room	0,015	0,1721	-0,323	0,352	0,007	1	0,931	1,015	0,724	1,422
Kitchen	0,072	0,1697	-0,261	0,405	0,180	1	0,672	1,075	0,770	1,499
Canteen	-0,015	0,1734	-0,355	0,325	0,008	1	0,931	0,985	0,701	1,384
Bar	-0,078	0,1762	-0,423	0,268	0,194	1	0,660	0,925	0,655	1,307
Living Room	-0,127	0,1785	-0,477	0,223	0,507	1	0,476	0,881	0,621	1,250
Administrative Room	-0,015	0,1734	-0,355	0,325	0,008	1	0,931	0,985	0,701	1,384
Reception	0,214	0,1642	-0,108	0,536	1,700	1	0,192	1,239	0,898	1,709
Gym	0 ^a							1		
MEA	0,035	0,0801	-0,122	0,192	0,194	1	0,659	1,036	0,885	1,212
DG18	0 ^a							1		
(Escala)	1 ^b									

Dependent Variable: Number of Species; Model: (Intercept), Sampling Method, Collection Site, Culture Medium. a. Set to zero because this parameter is redundant. b. Fixed at the displayed value.

Table S2. Model 1: Identification of the Best Sampling Site.

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Testing			Exp(B)	95% Wald Confidence Interval for Exp(B)	
			Lower	Upper	Wald chi-square	df	Sig.		Lower	Upper
(Intercept)	1,902	0,1222	1,663	2,142	242,407	1	0,000	6,700	5,273	8,513
Dormitory	0,177	0,1656	-0,147	0,502	1,147	1	0,284	1,194	0,863	1,652
Locker Room	0,015	0,1721	-0,323	0,352	0,007	1	0,931	1,015	0,724	1,422
Kitchen	0,072	0,1697	-0,261	0,405	0,180	1	0,672	1,075	0,770	1,499
Canteen	-0,015	0,1734	-0,355	0,325	0,008	1	0,931	0,985	0,701	1,384
Bar	-0,078	0,1762	-0,423	0,268	0,194	1	0,660	0,925	0,655	1,307
Living Room	-0,127	0,1785	-0,477	0,223	0,507	1	0,476	0,881	0,621	1,250
Administrative Room	-0,015	0,1734	-0,355	0,325	0,008	1	0,931	0,985	0,701	1,384
Reception	0,214	0,1642	-0,108	0,536	1,700	1	0,192	1,239	0,898	1,709
Gym	0 ^a							1		
(Scale)	1 ^b									

Dependent Variable: Number of Species Model: (Intercept), Place of Harvest a. Set to zero because this parameter is redundant. b. Fixed at the displayed value.

Table S3. Model 2: Identification of the Best Culture Media.

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Testing			Exp(B)	95% Wald Confidence Interval for Exp(B)	
			Lower	Upper	Wald chi-square	df	Sig.		Lower	Upper
(Intercept)	1,917	0,0572	1,805	2,029	1124,425	1	0,000	6,800	6,079	7,606
MEA	0,035	0,0801	-0,122	0,192	0,194	1	0,659	1,036	0,885	1,212
DG18	0 ^a							1		
(Scale)	1 ^b									

Dependent Variable: Number of Species Model: (Intercept), Culture Medium a. Set to zero because this parameter is redundant. b. Fixed at the displayed value.

Table S4. Model 3: Identification of the best sampling methods.

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis testing			Exp(B)	95% Wald Confidence Interval for Exp(B)	
			Lower	Upper	Wald chi-square	df	Sig.		Lower	Upper
(Intercept)	2.140	0.0808	1.982	2.299	700.722	1	0.000	8.500	7.254	9.959
Six-stage Andersen	0.129	0.1108	-0.089	0.346	1.347	1	0.246	1.137	0.915	1.413
Millipore Air Sampler	-0.294	0.1237	-0.537	-0.052	5.656	1	0.017	0.745	0.585	0.950
EDC	-0.376	0.1267	-0.625	-0.128	8.825	1	0.003	0.686	0.535	0.880
Surface Swabs	-0.687	0.1397	-0.960	-0.413	24.149	1	0.000	0.503	0.383	0.662
Settled Dust (Scale)	0 ^a 1 ^b							1		

Dependent Variable: Number of Species Model: (Intercept), Sampling Method a. Set to zero because this parameter is redundant. b. Fixed at the displayed value.