

Appendix 1. Results of the logistic regressions for the 5 sub-models (each containing 80% of the full data) showing coefficients (B) for principal components and basic descriptions of the model accuracy. Interpretation of the principal components follows the loadings similarly as with the original components in Table 2.

Principal component	Sub-model 1	Sub-model 2	Sub-model 3	Sub-model 4	Sub-model 5
PC1	5.579	6.528	4.305	5.461	5.852
PC2	-1.345	-1.154	-1.787	-0.582	0.249
PC3	1.401	2.017	1.520	1.452	1.220
PC4	-1.266	-0.659	-0.241	-0.702	-0.773
PC5		-0.412	0.947		
PC1*PC5			4.749		
PC1*PC2			-4.710		
PC1*PC4			3.759		
PC2*PC4		1.285	1.318	2.291	1.391
PC2*PC5		-1.034	-0.551		
PC4*PC5		0.690			
Intercept	0.147	-0.041	-0.638	-0.545	0.216
Correct prediction tot. (%)	83.3	82.6	84.4	88.1	82.6
Correct prediction for absence/presence (%)	89.4/73.8	90.3/67.6	93.3/64.7	93.1/78.4	88.1/73.8
Kappa K	0.643	0.598	0.615	0.729	0.627
AUC	0.891	0.910	0.876	0.919	0.891
Occupancy prevalence in the subset (%)	42/108 = 38.9	37/109 = 34.0	34/109 = 31.2	37/109 = 34.0	42/109 = 38.5