Spatial assignment of test sample

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Input

Website Identifier: 44

Isotope values of test sample

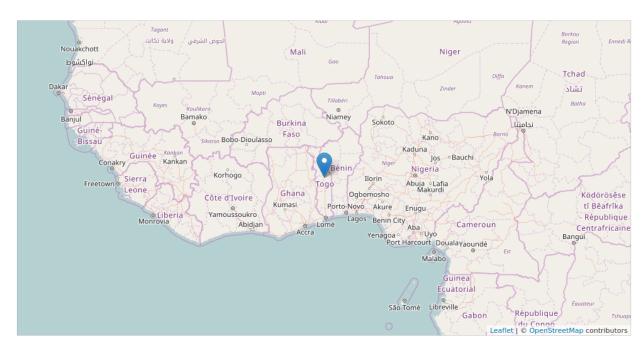
Table 1: Isotope values of test sample

$\overline{13\mathrm{C}/12\mathrm{C}}$	15N/14N	18O/16O	$2\mathrm{H}/1\mathrm{H}$	34S/32S
-23.5	6.9	17.9	-44.3	6.3

Output

Model

Map of best fitted reference sample



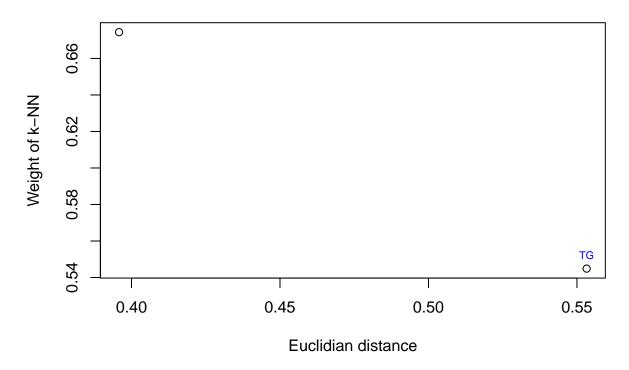
Best fitted reference sample:

Site: TogoCountry: TG

Region: West AfricaCITES: Appendix I

Lat: 8.9Lon: 1.1

Assignment of test sample to nearest neighbours



Best fitted reference entries

Table 2: Details of best fitted reference entry (row 1) and other fitted entries within best classifier

lon	lat	location	13C/12C	$15\mathrm{N}/14\mathrm{N}$	18O/16O	$2\mathrm{H}/1\mathrm{H}$	34S/32S
_	8.90	Togo	-23.7	6.9	18.5	-41.8	6.5
0.63	8.58	Togo	-23.5	7.5	17.8	-41.5	7.6

Country of prediction: TG

Testing robustness of assignment: Wilcoxon signed rank test

If p-value > 0.05, the test concludes that the isotope signature of the test sample is similar to the respective nearest neighbour reference sample.

P-values for the k nearest neighbours in Wilcoxon Test

"0.112, 0.051"

Goodness of fit of test sample:

- good fit: if p > 0.05 for at least two tested nearest neighbour reference samples;
- moderate fit: if p > 0.05 for at least one tested nearest neighbour reference samples;
- uncertain: if p > 0.05 for none of the tested nearest neighbour reference samples.

Assumption: At least two nearest reference samples are available.

Overall goodness of fit of test sample: " \mathbf{good} fit"