

Needleman-Wunsch pairwise DNA sequence alignment RESTful Web Service

[Here](#) is a RESTful web service that provides global DNA sequence alignment implementation as a service.

See [my post](#) on the algorithm itself. Download [.war archive with java source code](#) if you would like to install it yourself.

The service can also be called directly:

<http://mindwriting.org:8080/BioREST/resources/alignment?sequences=GC,C> returning the response as text.

This implementation uses gap penalty score=2 and mismatch penalty=1. See [here](#) for a more sophisticated implementation (ie. with gap extension penalties and so on) from the The European Bioinformatics Institute.