


# Aligning with MAFFT

**Task Name:** align-mafft

Multiple sequence alignment with MAFFT.

 MAFFT is used as an *external tool* and must be installed on your system.

## Parameters:

*toolpath* — path to the MAFFT executable. By default, the path specified in the *Application Settings* is applied. [String, Optional, Default: "default"]

*tmpdir* — directory for temporary files. [String, Optional]

*in* — semicolon-separated list of input files. [String, Required]

*out* — output file. [String, Required]

*format* — format of the output file. [String, Required]

*op* — penalty for opening a gap. [Number, Optional]

*ep* — penalty for extending a gap. [Number, Optional]

*maxiterate* — maximum number of cycles of iterative refinement. [Number, Optional]

## Example:

```
ugene align-mafft --in=COI.aln --out=COI_aligned.aln
```