

Local BLAST Search

Task Name: local-blast+

Performs a search on a local BLAST database using BLAST+.



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

Parameters:

toolpath — path to an appropriate BLAST executable (e.g. blastn, blastp, etc.). By default, the path specified in the *Application Settings* is applied. [String, Optional, Default: "default"]

tmpdir — directory for temporary files. By default, the path specified in the *Application Settings* is applied. [String, Optional, Default: "default"]

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

dbpath — path to the BLAST database files. [String, Required]

dbname — base name of the BLAST+ database files. [String, Required]

out — output Genbank file, the results of the search are stored as annotations. [String, Required]

name — name of the annotations. [String, Optional, Default: "blast result"]

p — type of the BLAST search. [String, Optional, Default: "blastn"]

The following values are available:

- blastn
- blastp
- blastx
- tblastn
- tblastx

e — expectation value threshold. [Number, Optional, Default: 10]

Example:

```
ugene local-blast+ --in=input.fa --dbpath=. --dbname=mydb --out=output.gb
```