


# Local BLAST Search

**Task Name:** local-blast

Performs a search on a local BLAST database using old version of the NCBI BLAST.

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

## Parameters:

*toolpath* — path to the blastall executable. 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
```