



## Use Windowmasker to filter the query sequence(s) in a BLAST search

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The `blastn` executable can filter a query sequence using the windowmasker data files. This option can be used to mask interspersed repeats that may lead to spurious matches. The windowmasker data files should be created as discussed in step 1 of “[Create masking information using windowmasker](#)” or downloaded from the NCBI FTP site. Follow the instructions in [Configuring BLAST](#) to make sure BLAST will be able to find the windowmasker files in the examples below.

1. Run BLAST search using Windowmasker for sequence filtering based upon `taxid` (9606 is the `taxid` for human).

```
$ blastn -query input -db database -window_masker_taxid 9606 -out results.txt
```

2. Run BLAST search using Windowmasker for sequence filtering based upon the windowmasker file name.

```
$ blastn -query input -db database -window_masker_db 9606/wmasker.obinary
```