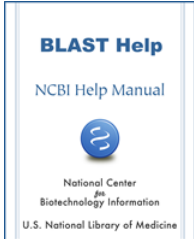




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**Bookshelf URL:** <https://www.ncbi.nlm.nih.gov/books/>



## Query a BLAST database with an accession, but exclude that accession from the results

Created: June 23, 2008; Updated: January 7, 2021.

```
# Extract a GI from the ecoli database:
$ blastdbcmd -entry all -db ecoli -dbtype nucl -outfmt %a | head -1 | \
tee exclude_me
AE000111.1
# Run the restricted database search, which shows there are no self-hits:
$ blastn -db ecoli -negative_seqidlist exclude_me -show_gis -num_alignments 0 \
-query exclude_me | grep `cat exclude_me`
Query= AE000111.1 Escherichia coli K-12 MG1655 section 1 of 400 of the
$
```