

## Steps for adding a new protein or non-coding RNA database into C-mii

1. Prepare your sequence file in FASTA format (e.g., my\_rfam.fasta, my\_prot.fasta)
2. Format your sequence file with BLAST formatdb program and copy all generated files into [c-mii-home]\database directory.  
Note that formatdb requires flag '-p T' for protein sequences and '-p F' for non-coding RNA sequences.
3. Edit [c-mii-home]\database\external\_blast as follows.

BLASTX

MY BLASTX DB1 my\_prot → add this line if it's a protein database.

BLASTN

MY BLASTN DB1 my\_rfam → add this line if it's a non-coding RNA database.

The first column is the name of your database for GUI display (e.g., MY BLASTX DB1) and the second column is your sequence file name (my\_prot).