

To run MMBIRFinder:

Start Bash

```
$bash
```

Run MMBIRFinder with config-1.txt and designate log file location (Alignments take some time to run, maybe a long time with big reads files)

```
$nohup ./MMBIRFinder config-1.txt > ./Log/run0222.log 2>&1
```

Create columns.txt to be loaded into database

```
$/create_columns.sh
```

Load DB

```
$mysql -pcilnoothbec5 mmbirfinder
```

Clean after previous run

```
MariaDB[(mmbirfinder)]> delete from mmbirfinder.unaligned;
```

```
MariaDB[(mmbirfinder)]> LOAD DATA LOCAL INFILE 'columns.txt' into  
table mmbirfinder.unaligned;
```

```
MariaDB[(mmbirfinder)]> exit
```

Index the database

```
$sudo -u mysql /bin/myisamchk -o  
/var/lib/mysql/mmbirfinder/unaligned.MYI --key_buffer_size=2G
```

```
$cd trial2
```

```
$perl ../db_fixed.pl
```

If error, try:

```
MariaDB[(mmbirfinder)]> repair table mmbirfinder.unaligned  
Then index again.
```

```
$cd ..
```

Create link to file

```
$ln -s trial2/mysql_results.txt .
```

```
$.MMBIRFinder config-2.txt > ./Log/run0222_1.log 2>&1
```

Notes:

These instructions are for use of the MMBIRFinder on user bosia. Some changes will have to be made to run MMBIRFinder on another user's space.