

How to use

To use Eclip, it is simplest to run the training function (RunTrain), and then the predicting function (RunPred). However, each function making up these can also be run independently. This allows for more flexibility in the arguments.

The programs are run by calling the functions in the command line.

Examples of how to use

How to call:

```
RunPred --input=/INPUT-IMAGE-DIRECTORY/ --output=/OUTPUT-IMAGE-DIRECTORY
```

Available Functions:

The functions able to be called are as follows:

RunTrain

RunTrain is the module that produces a trained model, using input maps. Find the documentation for this module [here](#).

RunPred

RunPred is the module that produces a score using a pretrained model. Find the documentation for this module [here](#).

ConvMAP

ConvMAP is the module that converts maps to images. Find the documentation for this module [here](#).

EP_success

EP_success is the module that updates the SQLite database with scores for the training data, and links to the image directories. Find the documentation for this module [here](#).

learn

learn is the module that trains a new model. Find the documentation for this module [here](#).

predictest

predictest is the module that tests the model on a testing set of proteins and outputs statistics on its performance. Find the documentation for this module [here](#).

predic

predic is the module that takes in a map file and outputs a score using a pretrained model. Find the documentation for this module [here](#).