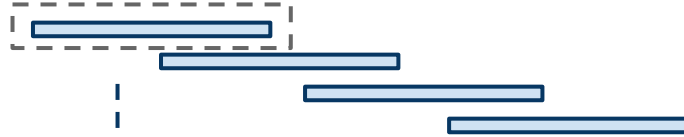
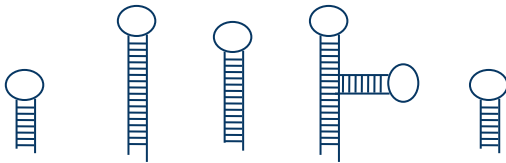




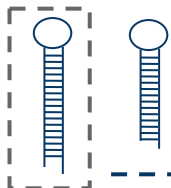
Split into 500-nt fragment with 200-nt overlap



For each 500-nt fragments, predict hairpins with UNAFold



- 1) Reject the Hairpins < 60-nt
- 2) Check for duplicate hairpins in overlapping segments
- 3) Re-validate the Hairpins with UNAFold



For each Hairpins, investigate all possible miRNA candidates

True Candidate

Output to

*.out file

- 1) Filter candidates using 0.1%/99.9% parameter window
- 2) SVM Classification
- 3) Reject candidates that do not pass SVM Classification

77 Parameters

Output to

*.pmt file

For each candidate, calculate the 77 parameters

