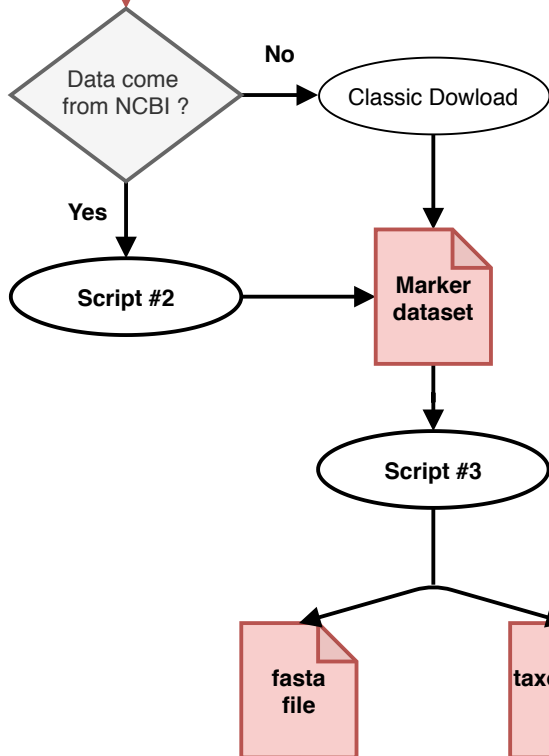


From web

Reference libraries

AlgaeBase



PhytObs list
C. Laplace-Treuture

Script #4
(old version)

Updated
PhytObs
list

Script #4

Updated
taxonomy
file

Script #4
(following)

Updated
fasta
file

Remove doublons?

Script #5

AlgaeBase

Script #1

Reference
taxonomy
file

UPDA

92.17%
matched
taxa

Updated
phytopl
taxonom

Gap_analysis_DOM_vs_PhytObs.R

Gap analysis libraries vs PhytObs (Script #4)

Gap-analysis_DOM_vs_marker_references.Rmd

Available prim
for the mark

Script #7
(to update)

Remove redondant
taxa ?

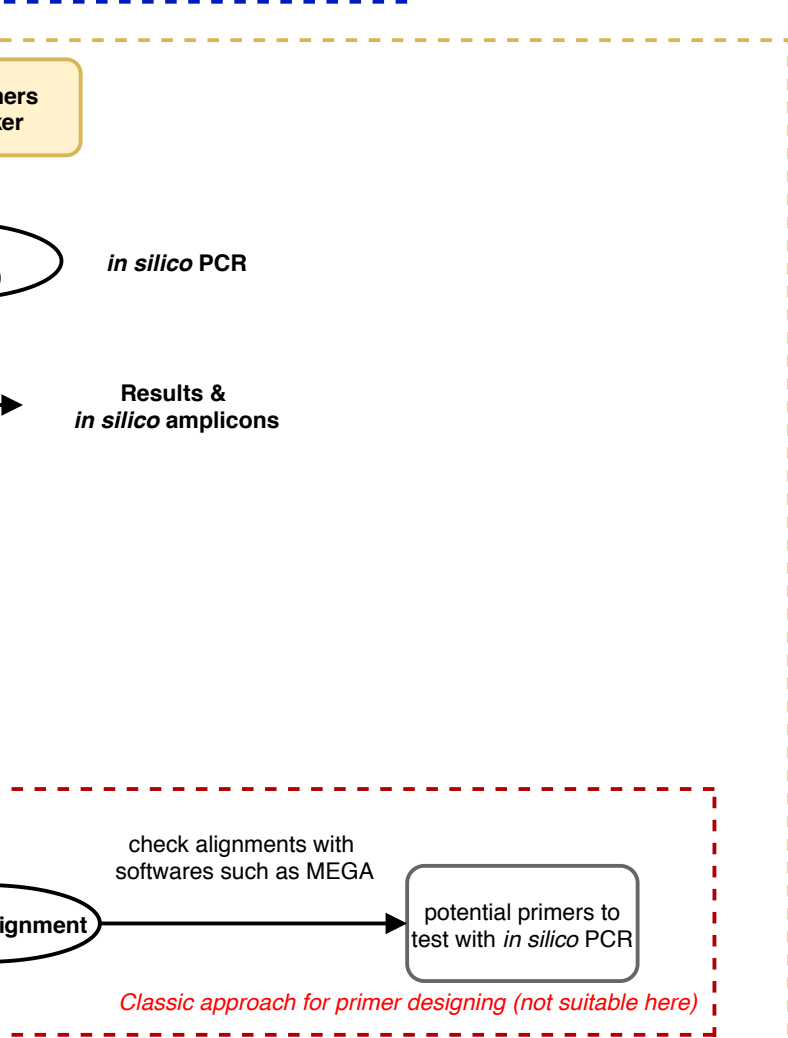
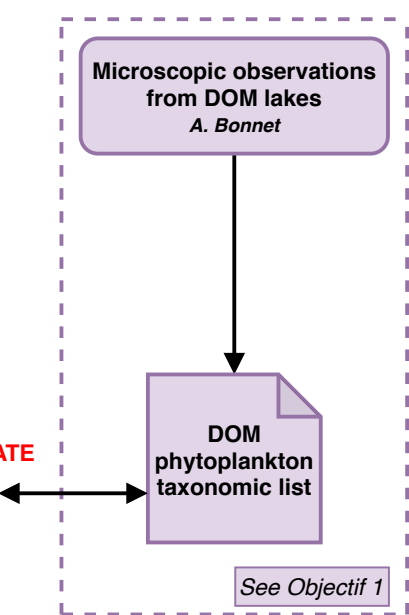
Script #6

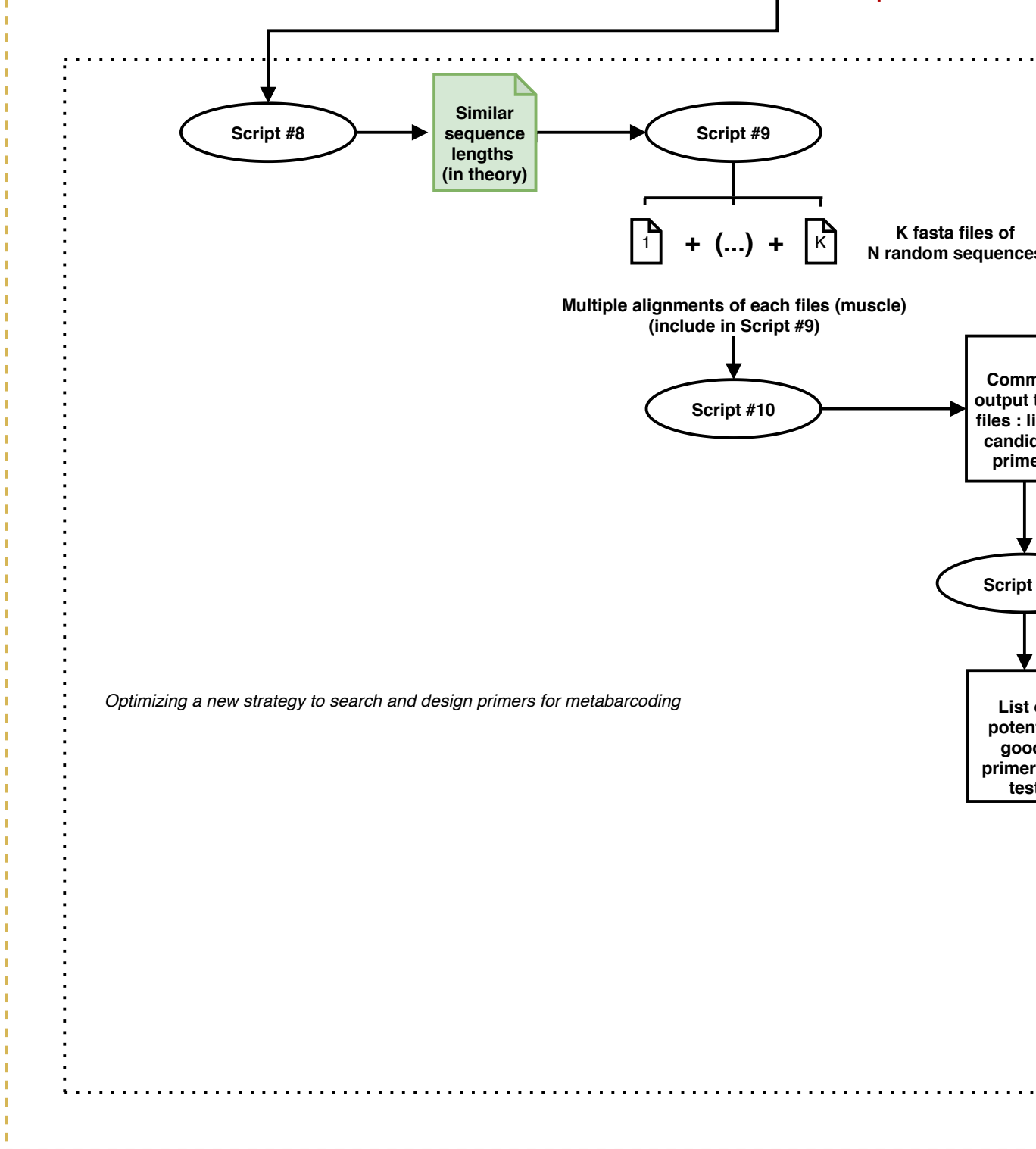
Updated
fasta
file
without
redondant
taxa

Multiple A

List of involved scripts and their original names :

Script #1 : "Webscrap_AlgaeBase_taxonomy-genusID.py"
Script #2 : "Extract_gene_from_GenBank_data.py"
Script #3 : "clean_seqs_and_tax_file.sh"
Script #4 : "MaJ_taxonomy_reference_database_with_AB.Rmd"
Script #5 : remove_doublons.sh
Script #6 : remove.indetical.genus_sp.sequences.sh
Script #7 : test.primers.v3.sh
Script #8 : pcr.seqs() from mothur (see workflow description)
Script #9 : subsample_random_sequences.sh
Script #10 : multi-design.primers.sh
Script #11 : Multiple_alignements_analysis.Rmd
Script #12 : visualize_primers_coverage.Rmd





s

non
to all
st of
late
ers

#11

of
tial
d
s to
t

Script #7
(to update)

in silico PCR

in silico
amplicons

Script #12

Check primers
coverage

For Objectif 3