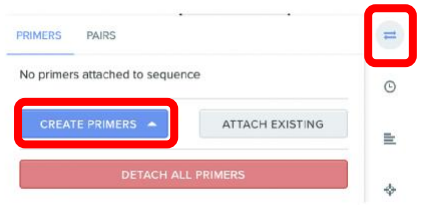
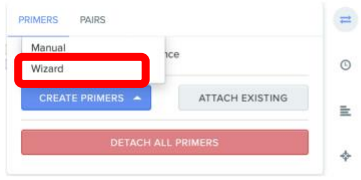
Help Exercise 2

First select the AMP coding sequence (click on the annotation in the plasmid map)

Create primers

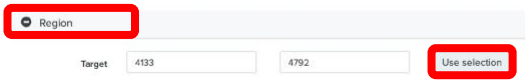


select 'wizard'

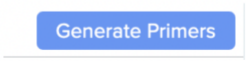


Select 'PCR' (do NOT select 'sequencing'!)

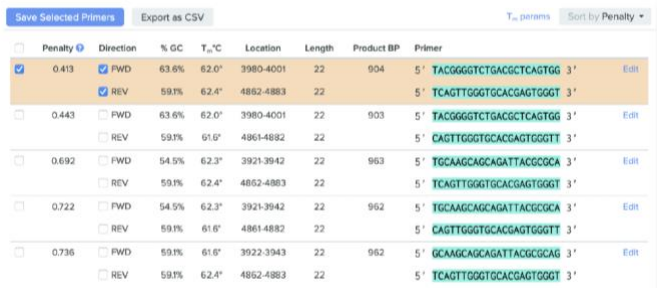
Define target region (=AmpR) in plasmid (numbering might be different in your plasmid!)



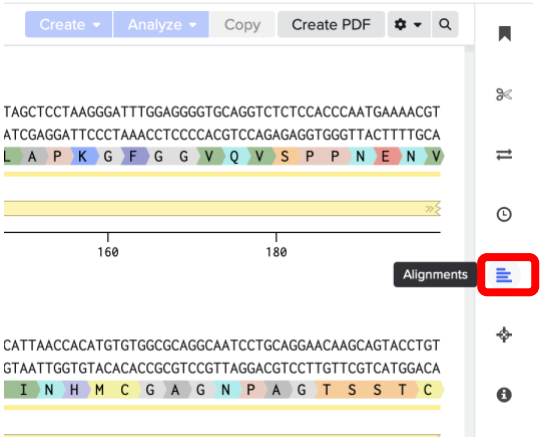
'Generate primers' (top right)



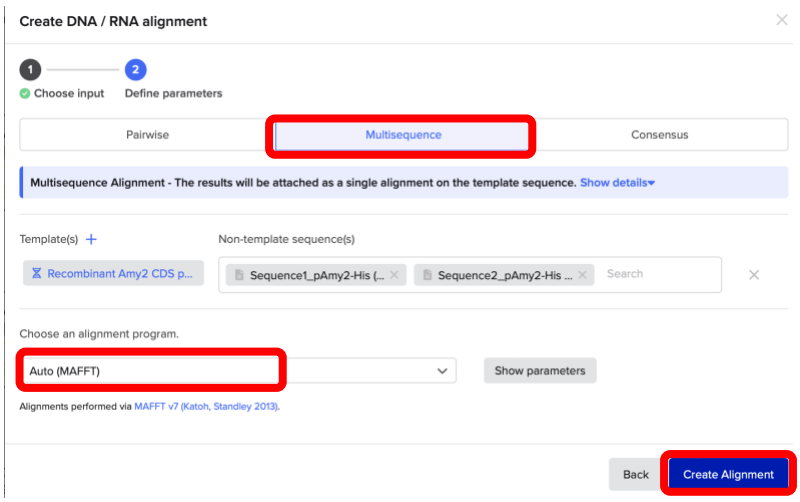
Select one suitable primer pair and save + attach it.



Help Exercise 3
Open the recombinant plasmid from last semester (size: 6609 bp)
On the top right select 'alignments'

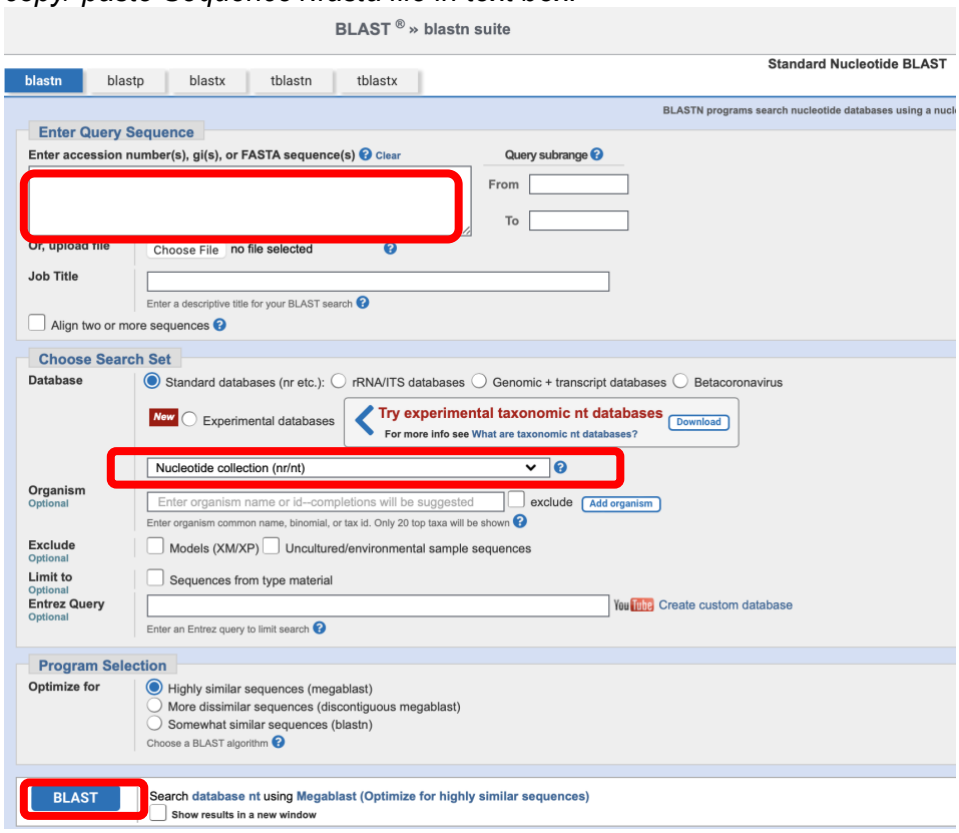


Create new alignment> upload (drag + drop) BOTH .ab1 files with chromatogram for forward and reverse sequencing primer
Use standard parameters (Auto MAFFT)> create alignment



Help Exercise 4

copy/ paste Sequence1.fasta file in text box:



Help Exercise 5

a) copy/ paste Sequence2.fasta file in text box (settings same as exercise 4)

b) copy/ paste Sequence2.fasta file in text box, change settings to RefSeq Select RNA sequences (refseq_select)