How to update CpG Project

1st update excel sheet, Final_CpG_list.csv with virus info

Location: data/list/Final CpG list.csv

Need: exact name of file, place file is located, number of sequences, number of

nucleotides and a presentable name (nice name)
Objective: New/update virus info or virus file

2nd Run connect.R file, makes the csvs by using the rscripts from the bioinformatics class

Location: R_scripts/Basic_Bioinfo_Rscripts/connect.R

Need: Final_CpG_list.csv

Objective: create csv files with information about frequency, wild type nucleotide, wild type & mutated amino acid (AA), big AA change, if a CpG site was made and the type of mutation

Output: Csv files placed in data/place where your data is from/data used/Csv

3rd/4th Frequency graphs & Wilcox Tables, run MakesTables Graphs other.R

Location: R scripts/graphs/MakesTables Graphs other.R

Need: Final CpG list.csv, Csv files

Objective: create csv files with information about frequency, wild type nucleotide, wild type & mutated amino acid (AA), big AA change, if a CpG site was made and the type of mutation

Output: graphs placed in output/WilcoxTables or output/M frequency graphs

5th Costly graph, Costly Graph.R,

Location: R scripts/graphs/Costly Graph.R

Need: Final CpG list.csv, Csv files

Change: files for viruses (if new files are made or name change in file), my.list, name.list (must match nice name), rename file png("change the date"), update the colored box numbers, and ablines as viruses are added or taken out, potentially update limits and added text. Repeat number changes for second figure

Output: costly graph in output/All Data/Costly

6th Update CpG Tally 923.csv

Location: output/All Data/Data wilcox tally results/CpG Tally 923.csv

Need: Look at wilcox table results input 1 for significant < 0.05 and 0 for insignificant

Output: Updated tally file

7th Re-run the points graph, all data points.R

Location: R scripts/graphs/all data points.R

Need: updated CpG Tally 923.csv

Output: graph of # data points and significance, located in

output/All Data/Num of data points/ & basic % statistics of what is costly