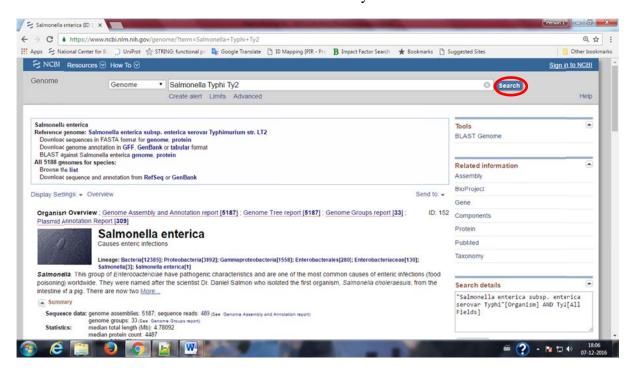
## **Instruction for parsing protein coding table from coding sequence (CDS)**

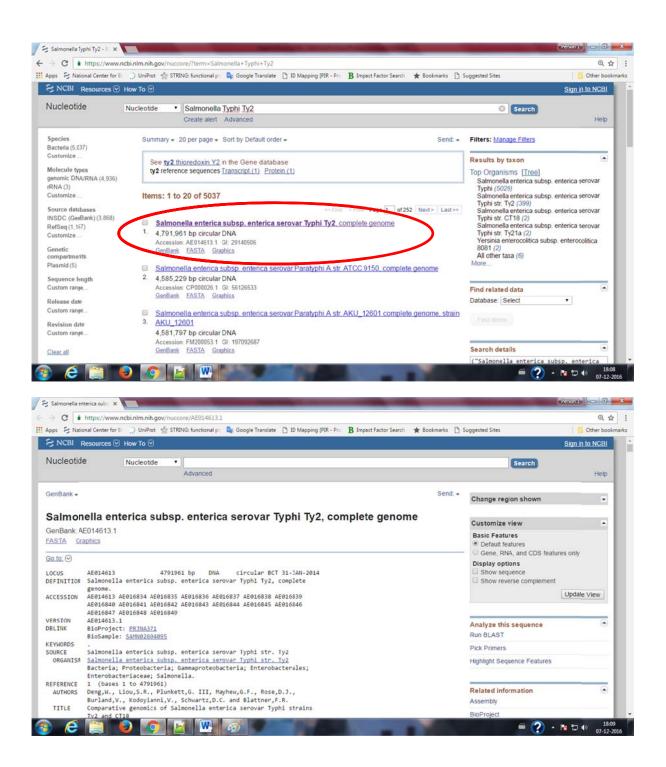
As we have mentioned in HelpForPredictingsRNAsByBarmanetal.pdf (Step2) that in some cases direct protein coding table is not available in NCBI, so we need to parse all CDS from NCBI in such cases.

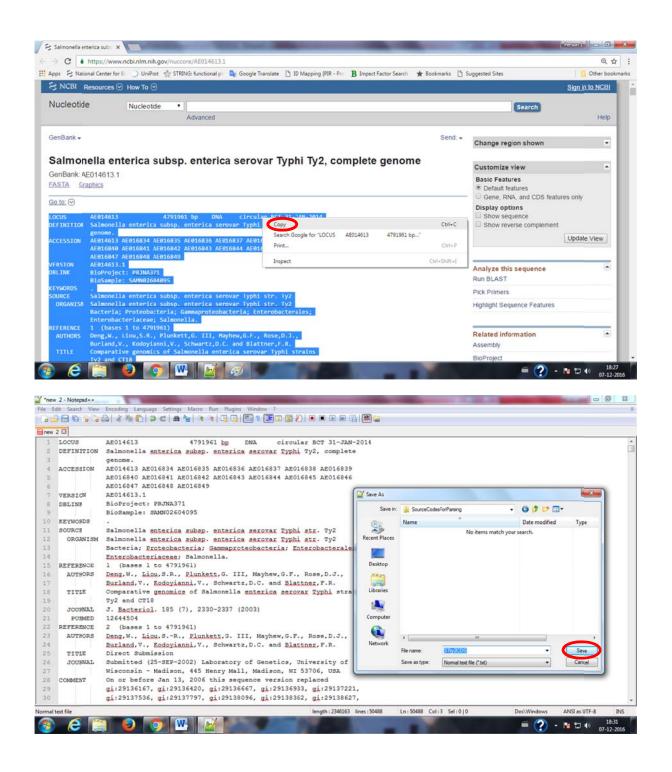
**Ex :** If you search *Salmonella* Typhi (*S*. Typhi) Ty2 in NCBI genome section, you will find protein coding table of *S*. Typhi CT18. Therefore we have to find all CDS of *S*. Typhi Ty2. You can find all CDS of *S*. Typhi Ty2 from NCBI nucleotide section. Therefore you have to copy the all CDS related information and paste in notepad or notepad++ or editplus and save in .txt format.

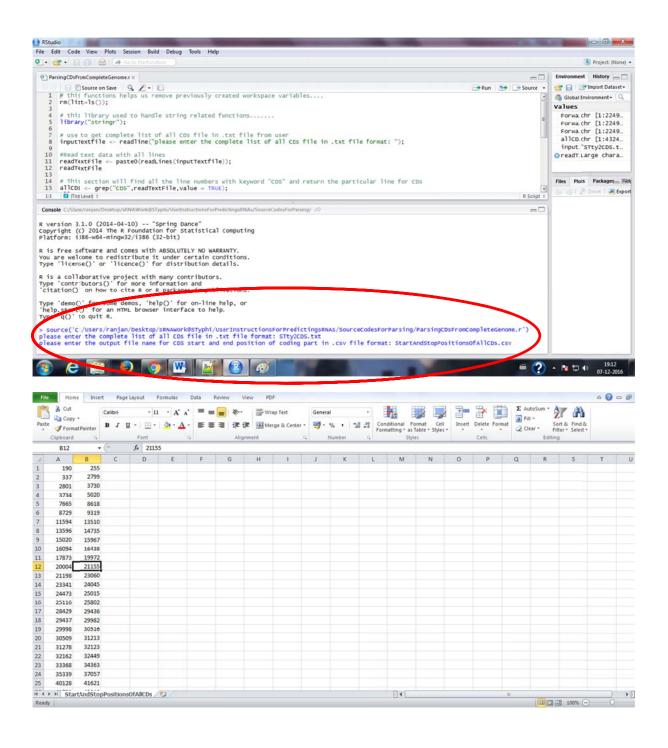
Finally we have developed ParsingCDsFromCompleteGenome.r code to parse all the forward coding start and stop positions of *S*. Typhi Ty2. Then you have to create similar protein coding table mention in **Step4** of HelpForPredictingsRNAsByBarmanetal.pdf by using start and stop positions of all CDS. The other field including Protein name, GeneID, Protein product and Length can be filled by "NA" since they are not playing any role to finding intergenic regions of *S*. Typhi Ty2.

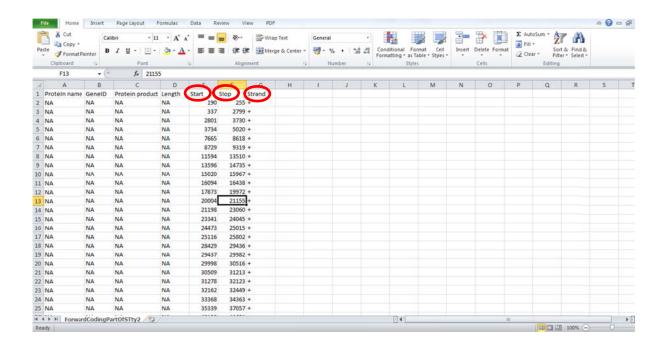
Please see the below screenshots wisely.











Rest of the steps are same as mention in HelpForPredictingsRNAsByBarmanetal.pdf.