DNA Sequence – Data Quality Assessment

1. Go to "https://digitalworldbiology.com/FinchTV"

2. Download and install the FinchTV DNA analysis software.

3. Run the software
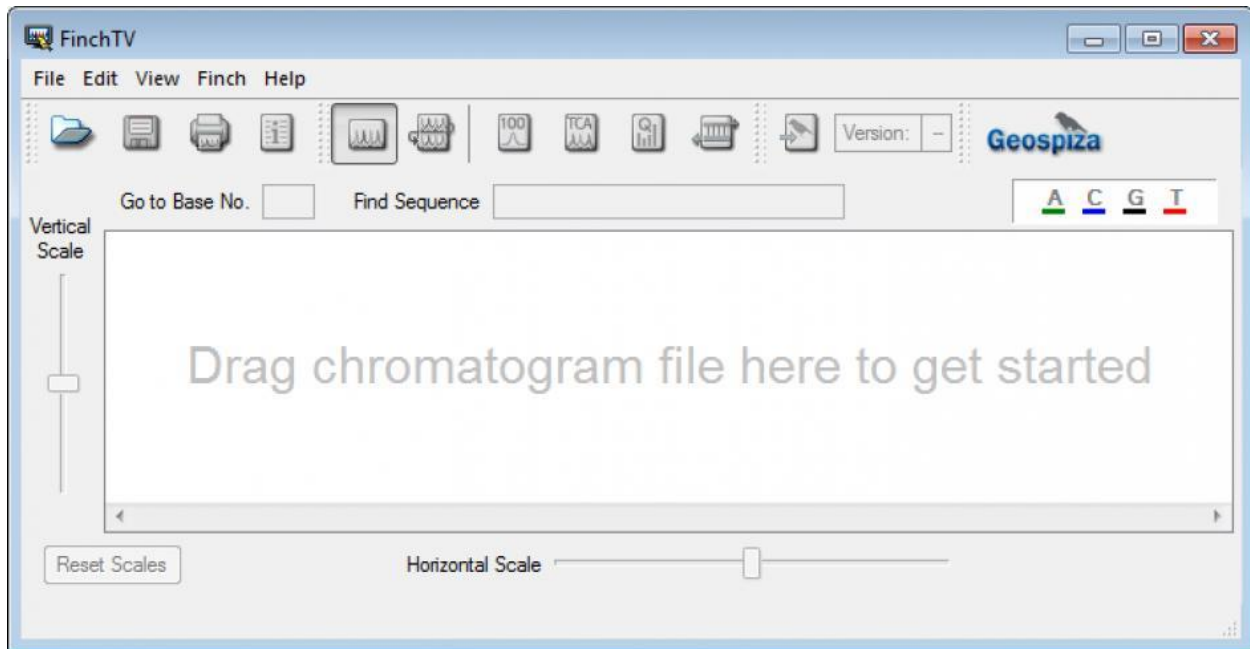
4. Drag and drop your sequence file (.abi) onto the software interface
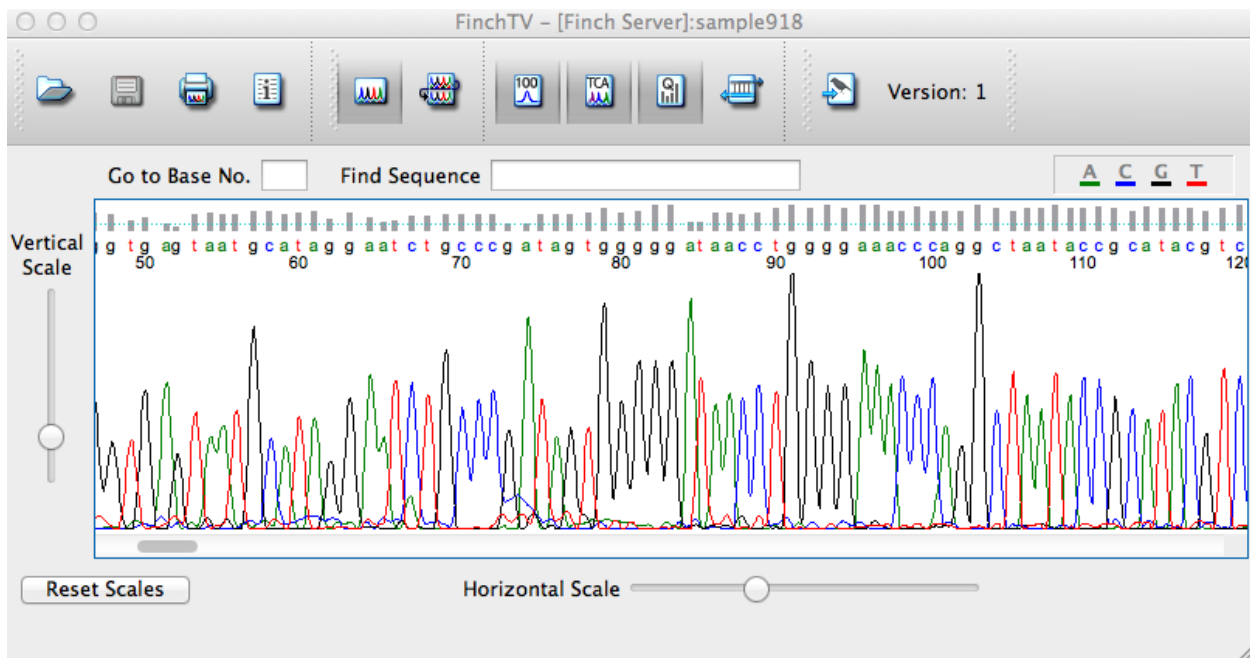
5. In a new tab, visit the NCBI page for **Standard Nucleotide BLAST:**
https://blast.ncbi.nlm.nih.gov/Blast.cgi?PAGE_TYPE=BlastSearch
(Hint: this should be the first Google hit for "blastn"

6. Copy your sequence from the DNA analysis software (Copy regions with reasonable clean sequencing; you can use the Phred scores as a guide for this.)

7. Paste onto the NCBI interphase as seen below:
   - Select "nr/nt" (non-redundant/nucleotide)
   - Select "Somewhat similar sequence"
   - Click BLAST (Basic Local Alignment Search Tool)

8. Confirm if the search result corresponds with your marker e.g. 23S, Scar 3, Scar 4 and Scar 5.

9. Complete the form assigned to you by your TA.