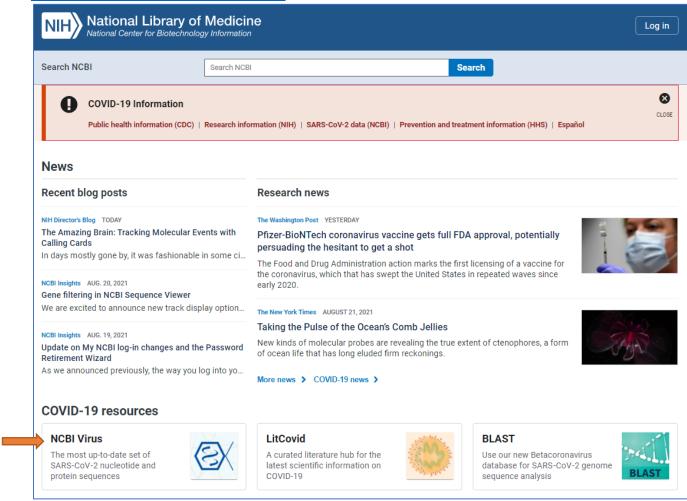
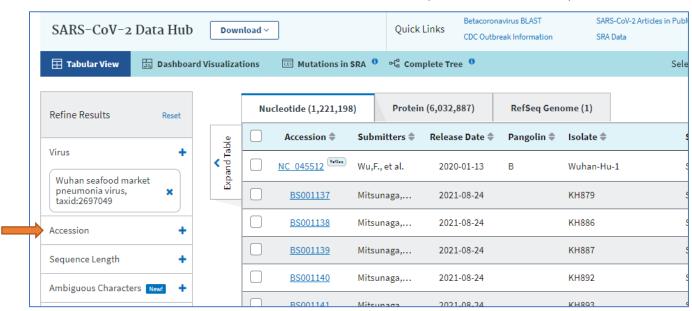
## Navigating NCBI Using the NCBI Accession Number

## Locating the Pangolin Lineage

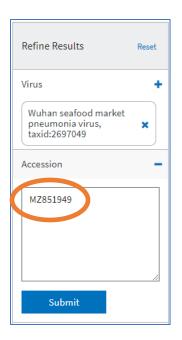
1- You do not need a user account to follow these instructions. Navigate to the NCBI database at: https://www.ncbi.nlm.nih.gov/search/. Under COVID-19 resources click on NCBI Virus.



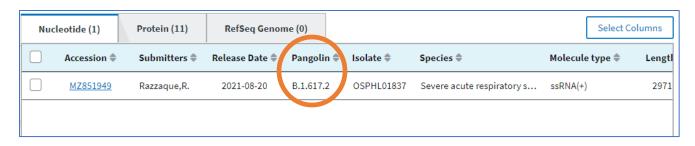
2- You will see the SARS-CoV-2 Data Hub. On the left-hand menu, under Refine Results, click Accession.



3- This will expand the pane > Enter in the ACCESSION NUMBER provided on the result report > then click Submit.



4- Result for the Accession number will show up on the table to the right. If you are only looking for the lineage, look under the Pangolin heading. Your use of NCBI is complete.



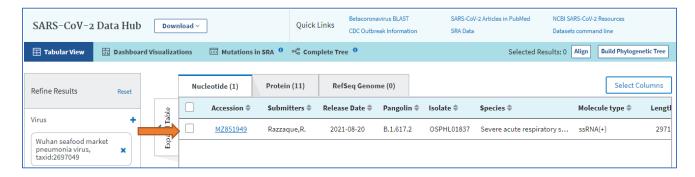
## Locating the FASTA Sequence

**Option #1:** If only FASTA sequence is desired, you can obtain this quickly by entering the following into your browser: https://www.ncbi.nlm.nih.gov/nuccore/[AccessionNumber]

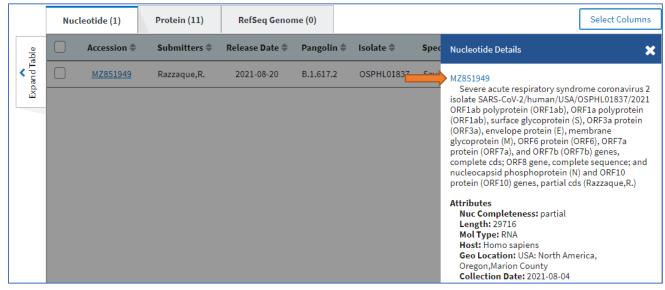
Here is an example: <a href="https://www.ncbi.nlm.nih.gov/nuccore/MZ851949">https://www.ncbi.nlm.nih.gov/nuccore/MZ851949</a>



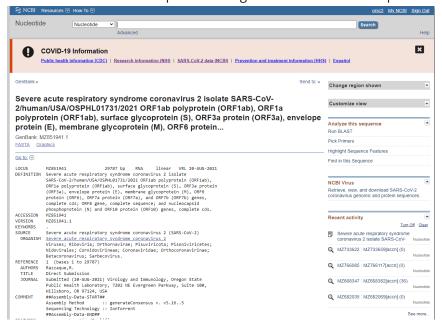
Option #2: If you have already navigated to the screen shown below, click on the Accession number.



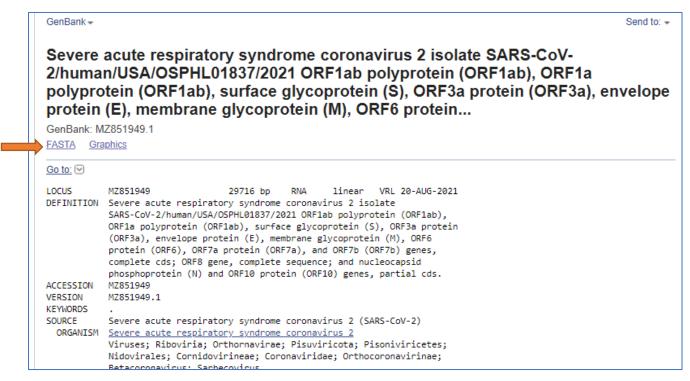
5- A window will open to show more information about the sequence. Click on the Accession Number.



6- A new browser tab will open showing all the details and sequence information.



7- Click on **FASTA** to get the FASTA sequence to be used for further analysis through other platforms.



Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/OSPHL01837/2021 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab), surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein (M), ORF6 protein...

GenBank: MZ851949.1 GenBank Graphics

surface glycoprotein (S), ORF3a protein (ORF3a), envelope protein (E), membrane glycoprotein (M), ORF6 protein (ORF6), ORF7a protein (ORF7a), and ORF7b (ORF7b) genes, complete cds; ORF8 gene, complete sequence; and nucleocapsid phosphoprotein (N) and ORF10 protein (ORF10) genes, partial cds GTAGATCTGTTCTCTAAACGAACTTTAAAATCTGTGTGGCTGTCACTCGGCTGCATGCTTAGTGCACTCA CGCAGTATAATTAATAACTAATTACTGTCGTTGACAGGACACGAGTAACTCGTCTATCTTCTGCAGGCTG CTTACGGTTTCGTCCGTTTTGCAGCCGATCATCAGCACATCTAGGTTTTGTCCGGGTGTGACCGAAAGGT AAGATGGAGAGCCTTGTCCCTGGTTTCAACGAGAAAACACACGTCCAACTCAGTTTGCCTGTTTTACAGG TTCGCGACGTGCTCGTACGTGGCTTTGGAGACTCCGTGGAGGAGGTCTTATCAGAGGCACGTCAACATCT TAAAGATGGCACTTGTGGCTTAGTAGAAGTTGAAAAAGGCGTTTTGCCTCAACTTGAACAGCCCTATGTG TTCATCAAACGTTCGGATGCTCGAACTGCACCTCATGGTCATGTTATGGTTGAGCTGGTAGCAGAACTCG AAGGCATTCAGTACGGTCGTAGTGGTGAGACACTTGGTGTCCCTCATGTGGGCGAAATACCAGT GGCTTACCGCAAGGTTCTTCTTCGTAAGAACGGTAATAAAGGAGCTGGTGGCCATAGTTACGGCGCCGAT CTAAAGTCATTTGACTTAGGCGACGAGCTTGGCACTGATCCTTATGAAGATTTTCAAGAAAACTGGAACA CTAAACATAGCAGTGTTTACCCGTGAACTCATGCGTGAGCTTAACGGAGGGGCATACACTCGCTATGT CGATAACAACTTCTGTGGCCCTGATGGCTACCCTCTTGAGTGCATTAAAGACCTTCTAGCACGTGCTGGT AAAGCTTCATGCACTTTGTCCGAACAACTGGACTTTATTGACACTAAGAGGGGTGTATACTGCTGCCGTG AACATGAGCATGAAATTGCTTGGTACACGGAACGTTCTGAAAAGAGCTATGAATTGCAGACACCTTTTGA NNNNNNNNNNNNNNNNNNNNNNNNNNNNNTTGAAAAGAAAAAGCTTGATGGCTTTATGGGTAGAATTCGATCTG TCTATCCAGTTGCGTCACCAAATGAATGCAACCAAATGTGCCTTTCAACTCTCATGAAGTGTGATCATTG TGGTGAAACTTCATGGCAGACGGGCGATTTTGTTAAAGCCACTTGCGAATTTTGTGGCACTGAGAATTTG ACTAAAGAAGGTGCCACTACTTGTGGTTACTTACCCCAAAATGCTGTTGTTAAAATTTATTGTCCAGCAT GTCACAATTCAGAAGTAGGACCTGAGCATAGTCTTGCCGAATACCATAATGAATCTGGCTTGAAAACCAT TGTGCCTATTGGGTTCCACGTGCTAGCGCTAACATAGGTTGTAACCATACAGGTGTTGTTGGAGAAGGTT CCGAAGGTCTTAATGACAACCTTCTTGAAATACTCCAAAAAGAGAAAGTCAACATCAATATTGTTGGTGA CTTTAAACTTAATGAAGAGATCGCCATTATTTTGGCATCTTTTTCTGCTTCCACAAGTGCTTTTGTGGAA ACTGTGAAAGGTTTGGATTATAAAGCATTCAAACAAATTGTTGAATCCTGTGGTAATTTTAAAGTTACAA AAGGAAAAGCTAAAAAAGGTGCCTGGAATATTGGTGAACAGAAATCAATACTGAGTCCTCTTTATGCATT TGCATCAGAGGCTGCTCGTGTTGTACGATCAATTTTCTCCCGCACTCTTGAAACTGCTCAAAATTCTGTG CGTGTTTTACAGAAGGCCGCTATAACAATACTAGATGGAATTTCACAGTATTCACTGAGACTCATTGATG CTATGATGTTCACATCTGATTTGGCTACTAACAATCTAGTTGTAATGGCCTACATTACAGGTGGTGTTGT TCAGTTGACTTCGCAGTGGCTAACTAACATCTTTGGCACTGTTTATGAAAAACTCAAACCCGTCCTTGAT TGGCTTGAAGAAGTTTAAGGAAGGTGTAGAGTTTCTTAGAGACGGTTGGGAAATTGTTAAATTTATCT CAACCTGTGCTTGTGAAATTGTCGGTGGACAAATTGTCACCTGTGCAAAGGAAATTAAGGAGAGTGTTCA CCAGAGAAGAACTGGCCTACTCATGCCTCTAAAAGCCCCAAAAGAAATTATCTTCTTAGAGGGAGAAAC ACTTCCCACAGAAGTGTTAACAGAGGAAGTTGTCTTGAAAACTGGTGATTTACAACCATTAGAACAACCT ACTAGTGAAGCTGTTGAAGCTCCATTGGTTGGTACACCAGTTTGTATTAACGGGCTTATGTTGCTCGAAA AGGCGGTGCACCAACAAGGTTACTTTTGGTGATGACACTGTGATAGAAGTGCAAGGTTACAAGAGTGTG AATATCACTTTTGAACTTGATGAAAGGATTGATAAAGTACTTAATGAGAAGTGCTCTGCCTATACAGTTG AACTCGGTACAGAAGTAAATGAGTTCGCCTGTGTTGTGGCAGATGCTGTCATAAAAACTTTGCAACCAGT

>MZ851949.1 Severe acute respiratory syndrome coronavirus 2 isolate SARS-CoV-2/human/USA/OSPHL01837/2021 ORF1ab polyprotein (ORF1ab), ORF1a polyprotein (ORF1ab),