

BA.2.86 Analysis Report and Symptoms Predictions

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Sequence Source: NCBI GENBANK <https://www.ncbi.nlm.nih.gov/sars-cov-2/>

Software: GENEIDO 1.0 (Pathogen Genome Analysis and Symptoms Predictions)

URL: www.geneido.com

For more GENEIDO analysis reports of SARS-CoV-2, please visit <https://geneido.com/Reports.html>

Source of Data:

1. Only 6 BA.2.86 sequences from the US can be found on NCBI's GENBANK database as of September 17, 2023. 1 contains error.
2. Sequences submitted from the UK cannot be used by GENEIDO since they contained strings of "N" s in the sequence.
3. There is no BA.2.86 submission from other countries found when this report is generated.

Summary:

1. As listed in Table 1, among the small samples (5) of BA.2.86, 3 are GENEIDO Type-S1 and 2 are Type-S2.
2. Again, nothing outside of the THREE GENEIDO TYPE has been found since the beginning of the pandemic, regardless of the mutations.
3. Omicron(s) are mostly Type-S2, although it does exist in all three types. Typical Type-2 symptoms are flu like symptoms such as fever, dry cough, sore throat, stomach symptoms, extreme fatigue, muscle weakness, kidney problems, rash, and hair loss. It could also cause a long lingering cough.

4. Typical Type-S1 symptoms include high fever, muscle and joint pain, myocarditis, rash, tendon problems, may not have stomach symptoms. Temporary bleeding, such as conjunctivitis, or red spots under the skin, can be seen.
5. Both Type-S1 and S2 may cause a decrease in brain/CNS functions. Both can cause Lung edema and kidney problem during cold weather, among elderly people and extreme energy (Yang Qi) deficient people. Surge in estrogen hormone can cause menstrual problem or even miscarriage, especially with Type-S2.
6. I remember Type-S2 causing “White Lung” symptoms in late 2022. Please see my early report: *Can Omicron Cause “White Lung?”* released on December 27, 2022 (<https://geneido.com/Sample-Reports/Omicron-Cause-WhiteLung.pdf>).

GENBANK Code	GENEIDO Type	Region	Collection Date	URL
OR558991.1	S1	US-VA	8/30/2023	https://www.ncbi.nlm.nih.gov/nuccore/OR558991.1?report=fasta
OR559322.1	S1	US-OR	8/28/2023	https://www.ncbi.nlm.nih.gov/nuccore/OR559322.1?report=fasta
OR558691.1	S1	US-NY	8/22/2023	https://www.ncbi.nlm.nih.gov/nuccore/OR558691.1?report=fasta
OR522798.1	S2	US-WA	8/29/2023	https://www.ncbi.nlm.nih.gov/nuccore/OR522798.1?report=fasta
OR560235.1	S2	US-NY	8/23/2023	https://www.ncbi.nlm.nih.gov/nuccore/OR560235.1?report=fasta

Table 1. BA.2.86 Sequences from US on NCBI as of September 17, 2023 contains 3 Type-S1 and 2 Type-S2.

Wish everyone good health and take good care!