



*J. Serb. Chem. Soc.* 89 (3) S125 (2024)

SUPPLEMENTARY MATERIAL TO

**Breaking news: Empirical formulas, molar masses, biosynthesis reactions and thermodynamic properties of virus particles – Biosynthesis and binding of Omicron JN.1 variant of SARS-CoV-2**

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*J. Serb. Chem. Soc.* 89 (3) (2024) 305–320

DATA AVAILABILITY

GISAID Identifier: EPI\_SET\_240109xh

doi: <https://doi.org/10.55876/gis8.240109xh>

All genome sequences and associated metadata in this dataset are published in GISAID's EpiCoV database. To view the contributors of each individual sequence with details such as accession number, Virus name, Collection date, Originating Lab and Submitting Lab and the list of Authors, visit <https://doi.org/10.55876/gis8.240109xh>.

*Data Snapshot:*

- EPI\_SET\_240109xh is composed of 1 individual genome sequences.
- The collection dates range from 2023-12-04 to 2023-12-04;
- Data were collected in 1 country and territories;
- All sequences in this dataset are compared relative to hCoV-19/Wuhan/WIV04/2019 (WIV04), the official reference sequence employed by GISAID (EPI\_ISL\_402124). Learn more at <https://gisaid.org/WIV04>.

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