

Phylum *Ryujiniota*

Etymology

[Ry.u.ji.ni.o'ta] **N.L. fem. n.** *Ryujinia*, referring to the type genus *Ryujinia*; *-ota*, ending to denote a phylum; **N.L. neut. pl. n.** *Ryujiniota*, the *Ryujinia* phylum

Nomenclatural type

Genus *Ryujinia*

Description

Ryujiniota phyl. nov. has a global distribution and was mainly present in public shotgun metagenome datasets labelled as marine sediment metagenome, peat metagenome, sediment metagenome, soil metagenome and groundwater metagenome. The highest relative abundances of *Ryujiniota* were found in Costa Rica margin subsurface and east pacific subsurface metagenomes with 15.75% and 15.33%, respectively.

Classification

Bacteria » *Ryujiniota*

References

Effective publication: Sun et al., 2025 [1]
Assigned taxonomically: Sun et al., 2025 [1]

Registry URL

<https://seqco.de/i:49691>

References

1. Sun et al. (2025). Metagenomic insights into taxonomic and functional patterns in shallow coastal and deep seafloor sediments in the Western Pacific. *Microbial Genomics*. [DOI:10.1099/mgen.0.001351](https://doi.org/10.1099/mgen.0.001351)