



GetGenome Newsletter

#029

September 2025

We are pleased to present the September 2025 edition of our monthly newsletter, providing a snapshot of GetGenome's progress and key highlights. Remember, you can find all our monthly newsletters here - <https://getgenome.net/network>. The main highlights this month include:

GetGenome is supporting the first Tunisian Bioinformatics Conference



GetGenome is excited to take part in the first Tunisian Bioinformatics Conference on 26-29 October 2025 at El Mouradi Club El Kantoui, Sousse, Tunisia! Our focus will be to showcase the emerging use of AI, not only to annotate genomes but to extend annotation to modelling protein structures. We look forward to seeing you there...

Use this link to register- <https://lnkd.in/gsgnz53C>

Ce congrès sera une opportunité unique pour les chercheurs, étudiants, et professionnels en bioinformatique de se rencontrer, partager leur expérience et savoir-faire et construire un réseau national dynamique et inspirant.

Share your research achievements with us, so we can celebrate with you!

Comparative genomics of three rhizobacteria strains indicate functional complementarity for inoculum development

[Nour-Eddine Belkhalil](#)¹, [Nour-Eddine Belkhalil](#)², [Nour-Eddine Belkhalil](#)³, [Nour-Eddine Belkhalil](#)⁴, [Nour-Eddine Belkhalil](#)⁵, [Nour-Eddine Belkhalil](#)⁶, [Nour-Eddine Belkhalil](#)⁷, [Nour-Eddine Belkhalil](#)⁸, [Nour-Eddine Belkhalil](#)⁹, [Nour-Eddine Belkhalil](#)¹⁰

Genome Analysis of *Bacillus pterodisformis* AAI isolated from a conventional milpa farming system in the northwestern region of Sonora, Mexico

[Andrés Chavira-Alfonso](#), [Eduardo Vázquez-Rodríguez](#), [Jonathan Riquelme-Pérez](#), [Enrique Cárdenas-Soto](#), [Carlos Ochoa-Quiroz](#), [Alejandro López-Fernández](#)

Beneficial effects of selected rhizospheric and endophytic bacteria, inoculated individually or in combination, on non-native host plant development

[Alejandra Martínez-Rodríguez](#)¹, [Lorena C. Martínez-Corral](#)², [Daniel P. García-Trujillo](#)³, [Ana I. Kuri-Morales](#)⁴, [Eduardo García-Barral](#)⁵, [Lorena Martínez-Rodríguez](#)⁶, [Nora Martínez-Rodríguez](#)⁷, [Lorena Martínez-Rodríguez](#)⁸, [Lorena Martínez-Rodríguez](#)⁹, [Lorena Martínez-Rodríguez](#)¹⁰

Genomic insight into a Potential Biological Control Agent for Fusarium-Related Diseases in Potatoes: *Bacillus subtilis* Subsp. *spizizenii* Strain PE1

[Brenda Velázquez-Arango](#)¹, [Brenda Velázquez-Arango](#)², [Brenda Velázquez-Arango](#)³, [Brenda Velázquez-Arango](#)⁴, [Brenda Velázquez-Arango](#)⁵, [Brenda Velázquez-Arango](#)⁶, [Brenda Velázquez-Arango](#)⁷, [Brenda Velázquez-Arango](#)⁸, [Brenda Velázquez-Arango](#)⁹, [Brenda Velázquez-Arango](#)¹⁰

Analysis of novel volatile compounds, plant-beneficial traits, and genomic features of the endophyte *Bacillus velezensis* ITCE1 and its crosstalk with *Trichoderma*

[Gabriel E. Pacheco-Hernández](#)¹, [Gabriel E. Pacheco-Hernández](#)², [Gabriel E. Pacheco-Hernández](#)³, [Gabriel E. Pacheco-Hernández](#)⁴, [Gabriel E. Pacheco-Hernández](#)⁵, [Gabriel E. Pacheco-Hernández](#)⁶, [Gabriel E. Pacheco-Hernández](#)⁷, [Gabriel E. Pacheco-Hernández](#)⁸, [Gabriel E. Pacheco-Hernández](#)⁹, [Gabriel E. Pacheco-Hernández](#)¹⁰

Draft Genome Sequence Data of the *Erwinia* sp. P24N7, a Symbiotic Bacteria Isolated from Nodules of *Phaseolus vulgaris* Grown in Mining Tailings from Huautla, Morelos, Mexico

[José Ángel Martínez-Rodríguez](#)¹, [José Ángel Martínez-Rodríguez](#)², [José Ángel Martínez-Rodríguez](#)³, [José Ángel Martínez-Rodríguez](#)⁴, [José Ángel Martínez-Rodríguez](#)⁵, [José Ángel Martínez-Rodríguez](#)⁶, [José Ángel Martínez-Rodríguez](#)⁷, [José Ángel Martínez-Rodríguez](#)⁸, [José Ángel Martínez-Rodríguez](#)⁹, [José Ángel Martínez-Rodríguez](#)¹⁰

The *Serratia* sp. strain C2 confers tomato tolerance to high salt, virus infection and both stresses in combination

[Nour-Eddine Belkhalil](#)¹, [Nour-Eddine Belkhalil](#)², [Nour-Eddine Belkhalil](#)³, [Nour-Eddine Belkhalil](#)⁴, [Nour-Eddine Belkhalil](#)⁵, [Nour-Eddine Belkhalil](#)⁶, [Nour-Eddine Belkhalil](#)⁷, [Nour-Eddine Belkhalil](#)⁸, [Nour-Eddine Belkhalil](#)⁹, [Nour-Eddine Belkhalil](#)¹⁰

Halophilic *Bacillus* improve barley growth on calcareous soil via enhanced photosynthetic performance and metabolomic re-programming

[Nour-Eddine Belkhalil](#)¹, [Nour-Eddine Belkhalil](#)², [Nour-Eddine Belkhalil](#)³, [Nour-Eddine Belkhalil](#)⁴, [Nour-Eddine Belkhalil](#)⁵, [Nour-Eddine Belkhalil](#)⁶, [Nour-Eddine Belkhalil](#)⁷, [Nour-Eddine Belkhalil](#)⁸, [Nour-Eddine Belkhalil](#)⁹, [Nour-Eddine Belkhalil](#)¹⁰

We love celebrating the incredible work of our colleagues. Recently, we highlighted several papers on social media – studies that we are very proud to have supported, even in a small way. To all GetGenome colleagues, please take a moment to share any successes you've had, not just publications but also new collaborations, successful grant applications, or product launches. You can use this form to easily share this information with us - <https://forms.office.com/e/rhNGpVVyE6>

GetGenome supporting AfriPlantSci 2025 in Morocco

We're delighted to connect with researchers from across Africa later this year as we support the inspiring AfriPlantSci 2025 initiative. This year's hands-on workshop, organised by the John Innes Centre in collaboration with ICARDA and UM6P, will take place in Morocco. The last AfriPlantSci, held in 2019 at Pwani University in Kenya, was a real source of inspiration for the founding of GetGenome- making this year's event especially meaningful for us.



Researchers have submitted 200 BioSamples to NCBI

Recently, we asked: *what share of the 47 trillion bases in NCBI's latest release comes from the global south?* While we work on that answer, we passed a milestone of our own – 200 BioSamples have been generated by GetGenome participants. Data generated and submitted by global south researchers.