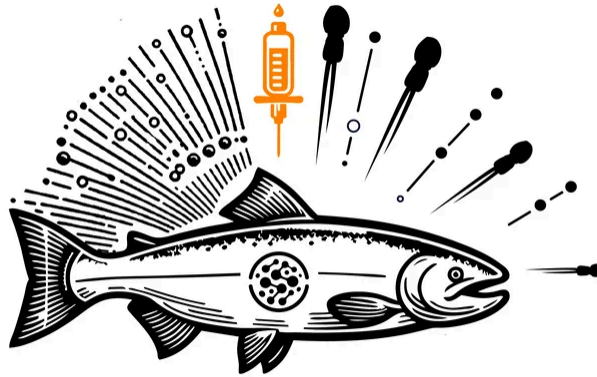




Quarterly Newsletter: Spring 2024



Breakthrough anti-microbiota vaccine could become the first commercial example of a vaccine against a target's microbiome.

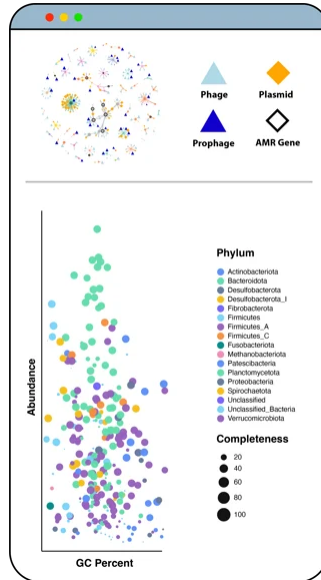
Phase Genomics' technology helps crack the code on a potential new vaccine for farmed salmon to defend against sea lice by targeting the parasite's microbiome. Published in [The Economist](#), researcher Cristian Gallardo Escárte shares results that led to the creation of the groundbreaking invention that could ease global environmental impacts of salmon farming.

[Read Here](#)

ProxiMeta™ Explorer

This summer, we launched a new interactive, cloud-based genome-resolved metagenomic analysis platform, for data visualization and exploration. Dive deep on

a single sample with powerful taxonomic annotation and abundance calculations, or zoom out to a large dataset comprising dozens or even hundreds of samples. Fully customizable analyses and reports allow you to track genomes across time, conditions, groups, and more with a click of a button.



Click below to demo ProxiMeta™ Explorer with several published genome-resolved metagenomic datasets or read more about the platform [here »](#)

Discover Explorer

An Upgraded Approach to Cytogenetic Research

Understanding chromosomal aberrations is crucial for assessing patient care in oncology. [Genomic Proximity Mapping™ \(GPM\)](#) streamlines cytogenetic analysis—not only meeting, but surpassing current risk stratification assessments. Last month, researchers at Fred Hutchinson Cancer Center and University of Washington Medical Center published research that used GPM to analyze 48 patient samples, identifying known and novel chromosomal aberrations. Read the MedRxiv preprint to discover the expanding possibilities in leukemia research [here »](#)

Join the team!

Phase Genomics is looking for a Production Specialist to aid in production, scaling, and continuing improvement of our proximity ligation (Hi-C) kits. Are you or

someone you know ready to join us at the forefront of genomic technology?

Apply [here](#) »

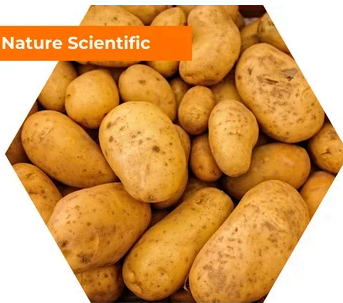
Research Highlights

Nature Scientific

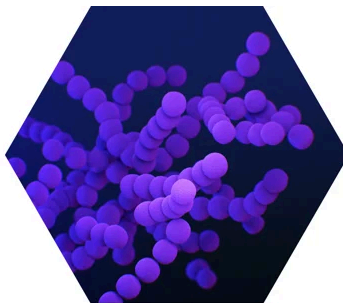


Exploration of mobile genetic elements in the ruminal microbiome of Nellore cattle

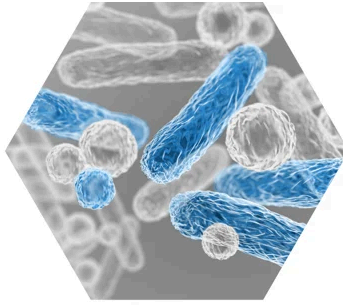
Nature Scientific



The phased *Solanum okadae* genome and *Petota* pangenome analysis of 23 other potato wild relatives and hybrids



Proxi-RIMS-seq2 applied to native microbiomes uncovers hundreds of known and novel m5C methyltransferase specificities.



Highly accurate metagenome-assembled genomes from human gut microbiota using long-read assembly, binning, and consolidation methods

MORE PAPERS

Catch us at a Conference

[Cancer Genomics Consortium](#) – St. Louis, MO (Aug. 4-7)

[Lake Arrowhead Microbial Genomics](#) – Lake Arrowhead, CA (Sep. 15-19)

[ID Week](#) – Los Angeles, CA (Oct. 16-19)

[American Society of Human Genetics](#) – Denver, CO (Nov. 5-9)

[Association for Molecular Pathology Annual Meeting](#) – B.C., Canada (Nov. 19-23)

Have a project in mind?

Contact Us

Phase Genomics, 1617 8th Ave N, Seattle, Washington 98109, United States, 833-742-7436

[Unsubscribe](#)

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