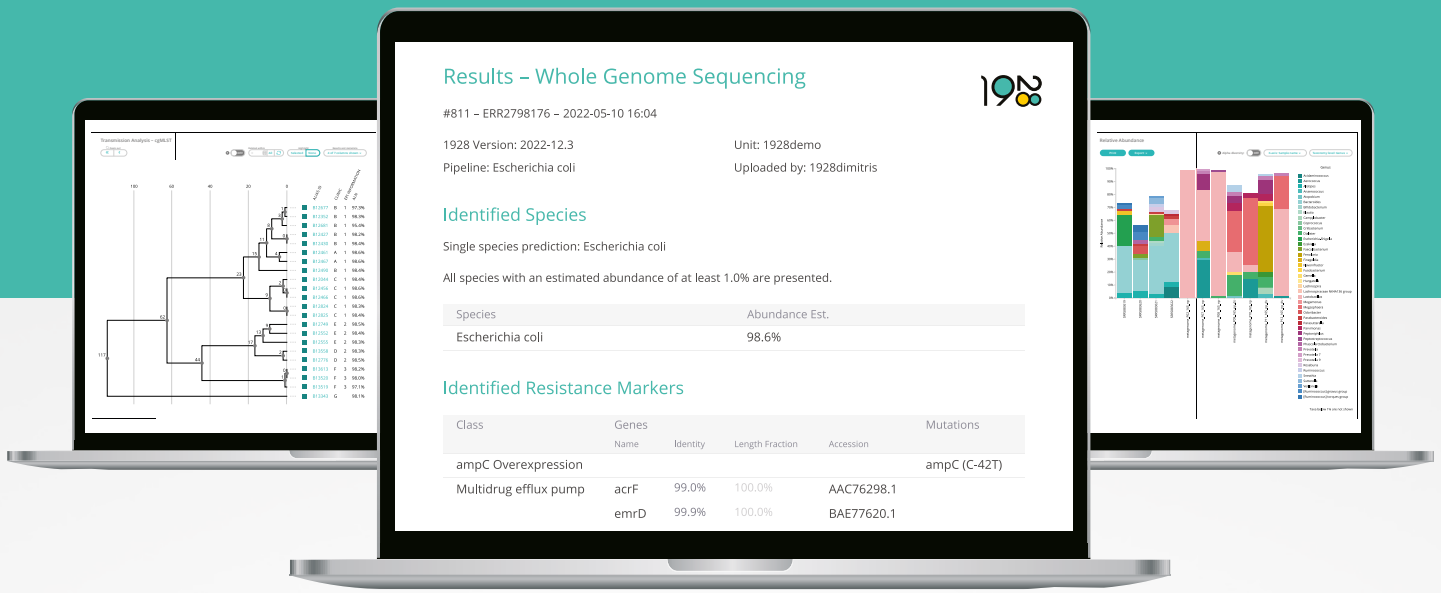
1928 BIOINFORMATICS PLATFORM

Where complex data turns into actionable results



1928 Diagnostics has developed an easy-to-use Bioinformatics Platform to support microbiologists in taking full advantage of their sequencing data.

We have been able to provide more rapid reports on epityping data since we can upload the sequences and get a report shortly thereafter.

Christian G. Giske, MD/PhD

Professor and Chief consultant physician in bacteriology at Karolinska University Hospital and Karolinska Institutet in Stockholm, Sweden.

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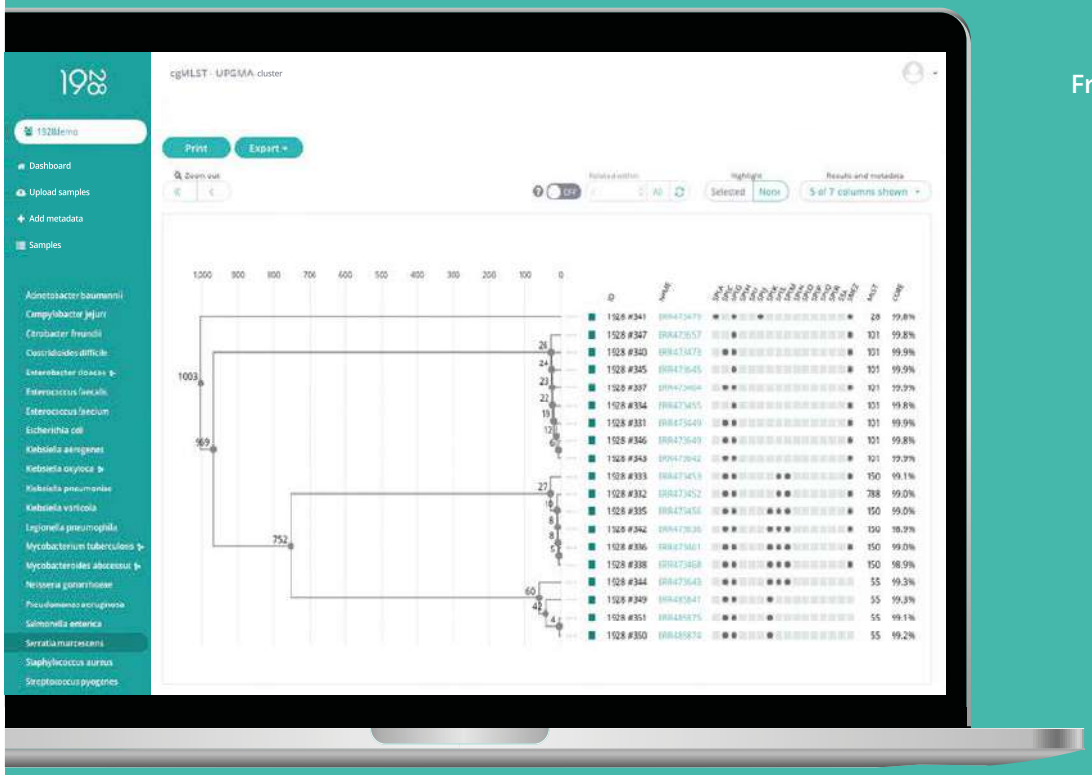
Uncover and understand your sequencing data

– with 1928 into the future of bioinformatics analyses

The 1928 Platform contains validated and customized algorithms that process the raw data files directly from the sequencing machine.

The processed data is matched to our databases of genetic markers (genes and mutations) coding for antimicrobial resistance (AMR) and virulence factors.

The 1928 Platform generates rapid, easy-to-interpret results based on streamlined bioinformatic workflows and optimized data processing.



HOW IT WORKS

From raw data to results in 3 easy steps

In just minutes, our cloud-based platform provides you with powerful bioinformatics analyses of your sequencing data

The 1928 Bioinformatics Platform delivers

FULL ACCESSIBILITY

Ability to run via an internet browser 24/7 from any device.

OPERATIONAL MANAGEMENT

No installation, equipment updates or traditional licensing management.

COST EFFECTIVE

No upfront hardware costs and flexible payment methods to match specific user needs.

FROM RAW DATA TO RESULTS IN MINUTES

WGS analysis

- **Outbreak tracing**
- **Epidemiological metadata**
- **Antimicrobial resistance (AMR)**
- **Automatic species identification**
- **Virulence genes, toxins and more**
- **Typing of pathogens**
- **Quality control including sample quality**
- **Support for bacteria, fungi and virus**

Amplicon analysis

- **Species identification**
- **No culturing step, sample is metagenomic – consisting of many microbial organisms**
- **Targeted sequencing of the ITS region (fungi) or the 16S gene (bacteria)**

Data security

The Platform is a cloud platform for high-performance, secure, and scalable bioinformatics analyses.

The 1928 Platform offers the possibility to handle your data directly in the cloud. This allows saving local storage capacities, accessing your data from different locations, and sharing data with colleagues.

Certificate of compliance with information security
1928 maintains a formal and comprehensive security program designed to ensure the security and integrity of customer data, protect against security threats or data breaches, and prevent unauthorized access to our customers' data.

ISO27001 certification ensures that risk analysis, maintenance and registration of events occur continuously and monitoring is done by external auditors.

The platform is developed by establishing requirements that have been cross-referenced and aligned in compliance with relevant legislation such as GDPR, HIPAA, and national Privacy Laws.

An intelligent analysis platform that simply works

- Connects historic data with current results
- Improved communication
- Easily accessible data

- Facilitates internal communication
- File export enabled
- Makes reporting to authorities easy

Top 4 reasons to partner up with 1928 Diagnostics

1 COMPLETE BIOINFORMATICS SERVICE

Access to the 1928 Platform is all you need to get started with your data analysis. With one upload you get; Quality control, Species identification, Epidemiology, AMR and Virulence markers and the option to add metadata.

2 THE ANALYSIS – FAST AND STREAMLINED

Operating in a cloud environment offers fast and immediate analyses. No queues for data clusters, no additional investments in storage and computational capacity.

3 PREDICTABLE COSTS

Volume based tiers to match specific user needs. Easy and predictable, no additional services will be needed.

4 DON'T FORGET THE SUPPORT!

Using the 1928 Platform service will never leave you clueless. Whether there is a question of sample quality, something in the analysis or other questions – we are there to support you.

> ***We have used 1928 Diagnostics to establish epidemiology and characterize genomes in hospital outbreaks of MRSA and VRE. We have been impressed by the level of information that was very easily obtained, even by staff without training in bioinformatics.***

Michael Kemp, Professor, consultant, Ph.D.
University of Southern Denmark, Department of Regional Health Research. The Regional Department of Clinical Microbiology, Region Zealand, Denmark.

Are you ready to take the next step?
Start analyzing your sequencing data in an easy-to-use way!
Scan the QR-code and get more info on our website: www.1928diagnostics.com