

6 February 2024

To the FWD AMR-RefLabCap network

Dear Colleague and network member,

With this mail your laboratory is invited to participate in the

Third external quality assessment for WGS-based resistome profiling in antimicrobial-resistant *Salmonella* and *Campylobacter* (EQA3-WGS-AMR)

The EQA3-WGS-AMR is organised in the FWD AMR-RefLabCap project, and all National Reference Laboratories (NRLs) in the project are invited to participate.

Registration and important dates:

20 February 2024 – Deadline for registration using the following, personal link:

<link>

8 April 2024 – Shipment of DNA samples from SSI, Copenhagen, Denmark

13 May 2024 - Deadline for online submission of results

We kindly ask you to provide the following details in the online registration form:

- Contact details for package shipping
- Contact information of the person who will submit the result
- Specify which parts of the EQA3-AMR-WGS you wish to participate in (*Salmonella* and/or *Campylobacter*)

Aim:

to support further development and implementation of the proposed protocol (<https://www.fwdamr-reflabcap.eu/resources/reflabcap-protocols-and-guidelines>) for whole genome sequencing-based analysis for detection and tracing of epidemic clones of antimicrobial resistant *Salmonella* and *Campylobacter*, developed in the FWD AMR-RefLabCap project

Dried DNA will be provided to your NRL from *Salmonella* (3 tubes) and/or *Campylobacter* (3 tubes), along with instructions on how to dissolve DNA.

Analyses and reporting to be done by participants (**changes compared to last year are highlighted in bold**):

- Whole Genome Sequencing of the received DNA
- Analysis of sequences for genes and point mutations that confer antimicrobial resistance **using ResFinder with fastq file as input, according to the protocol that will be provided**
- **Upload of reads generated in your laboratory to an ftp server**
- Reporting of the approach used for identifying AMR genes and point mutations

- sequence type (ST), *Campylobacter* species and *Salmonella* serotype reporting are optional

Feedback:

A comprehensive evaluation report of all submitted data in an anonymised form where you can benchmark your own results.

The report will be disseminated to the network and publish on the project's website.

The DNA samples that you will receive for the EQA3-AMR-WGS (from *Salmonella* and *Campylobacter*) are for internal use in your laboratory and must not be distributed to other laboratories/institutions without permission from the Statens Serum Institut. In the online form you are asked to confirm your acceptance of this.

If you need further information, please contact fwdamr@ssi.dk

Regards,

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