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PILOT WGS STUDY

*National Reference Center for Salmonellosis,
Slovakia*

Pilot WGS study

- **100 Salmonella samples**
- **Isolation**
- **Sequencing**
- **Raw data**
- **Data analysis**

Aim

- **Improve diagnosis**
- **Modernization of analytical methods**
- **Epidemiological surveillance**

Pilot Selection of the isolates

One health - Human and non-human samples

1) Clinical microbiology laboratories

- Regional laboratories
- Hospitals
- Private laboratories

2) Laboratories of environmental microbiology

- Food
- Water
- Animals

Pilot Selection of the isolates

- **Outbreak samples**
- **Food samples**
- **Bloodculture samples**
- **Rare serovars**

Plans for data analyses

- **Sequencing type**
- **Relationships between isolates**
- **Verification of serovars**
- **Genes of virulence**
- **Genes of ATB resistance**

Plans for actions

- **Start the sequencing ourselves**
- **Cooperation with Science Park of Comenius University**
- **Every week sending of isolates**
- **New colleague**
- **Results presentation at the national conference**



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Thank you for your attention.

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