Participant sheet: Antimicrobial resistance genes and point mutations detection in Salmonella

How to use this document

After running ResFinder and AMRFinderPlus on samples **SRR27241771** and **SRR27241772** complete these questions.

Questions on ResFinder results

**Can we screen for point mutations in Listeria using ResFinder?**

**Which genes are in the same contig?**

**Complete this table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ResFinder** | | | | | |
| **genes** | | | **point mutations** | | |
| **input** | **method** | **db** | **input** | **method** | **db** |
| DNA fastq |  | nucleotide | DNA fastq | KMA |  |
| DNA fasta |  | DNA fasta | BLASTN |
| Protein fasta | - | - | Protein fasta | - | - |

## Questions on AMRFinderPlus results

**Should we expect resistance caused by mdsA or mdsB?**

**Should we expect resistance to macrolides?**

**Complete this table:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **AMRFinderPlus** | | | | | |
| **Genes** | | | **point mutations** | | |
| **input** | **method** | **db** | **input** | **method** | **db** |
| DNA fastq | - | - | DNA fastq | - | - |
| DNA fasta |  | protein | DNA fasta |  | nucleotide |
| Protein fasta |  | Protein fasta | - | - |