

# EXPLORE NEW HORIZONS

Turn Spring into success with our flexible voucher option, our all-in-one package and flexible service. At StarSEQ we know that every project is unique.

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## Bacterial-Seq

### Sequencing of bacterial genomes to 100 fold coverage

- Quantification of gDNA
- Only 10-100 ng of gDNA required
- DNA sequencing library preparation
- Enzymatic fragmentation
- Sequencing preparation tagged with barcoded adapters for multiplexing
- Library check
- Qubit/dilution
- Paired-end sequencing, read length 150 nt, NextSeq 2000™
- Data storage and conversion
- Index management and de-multiplexing
- Data delivery via download

1 Mb genome size,	650 k reads:	from 135 €
2 Mb genome size,	1.5 M reads:	from 139 €
3 Mb genome size,	2 M reads:	from 141 €
5 Mb genome size,	3.3 M reads:	from 144 €
8 Mb genome size,	5.3 M reads:	from 149 €
10 Mb genome size,	6.6 M reads:	from 152 €
15 Mb genome size,	10 M reads:	from 161 €

### Optional: Bioinformatic services

1. *De novo* assembly to contigs using SPAdes Genome Assembler: 40 €/sample (1-3 Mb), 50 €/sample (5-15 Mb)
2. Bacterial analysis: identifying antimicrobial resistance genes + Multilocus Sequence Typing (MLST) + search for plasmid replicons + plasmid MLST: 60 €/sample
3. Prokka Genome Annotation - annotation of genes and identifying coding sequences in prokaryotic genomes: 40 €/sample (Seemann T. (2014). Prokka: rapid prokaryotic genome annotation. *Bioinformatics* Jul 15;30(14):2068-9. PMID:24642063)

