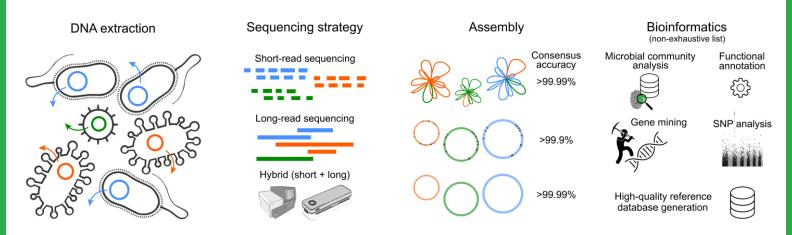
Genomics and Metagenomics analysis



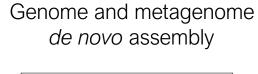
- Genomes from pure culture isolates or metagenome assembled genomes (MAGs) from complex samples provide valuable insight into the metabolic potential.
- A whole-genome based analysis potentially offers higher taxonomic resolution and less biased estimation of the microbial abundance.

DNASense provides sample-to-answer services for whole genome-based *de novo* assembly, genome binning and downstream functional characterisation

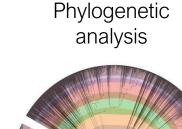
DNA extraction and sequencing

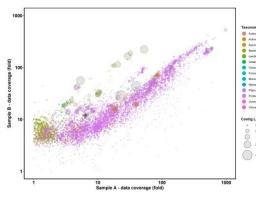


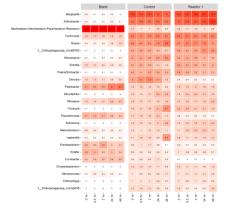
Cutting-edge bioinformatic analysis



Microbial community analysis







a DNA Cappa appoint DNA

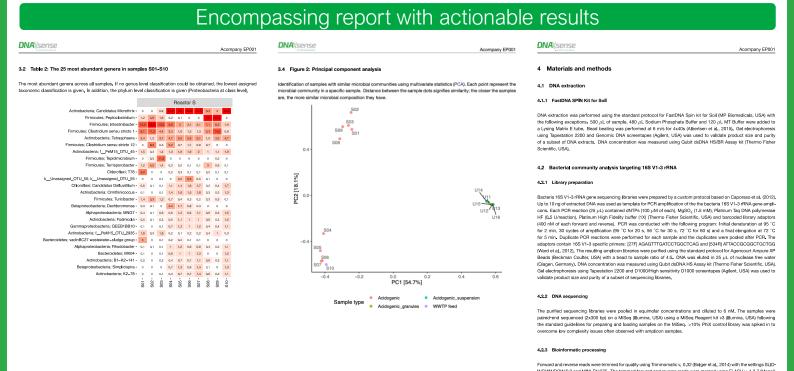
Our standard package includes: Optional pre- and post-project meeting with a DNASense specialist, DNA extraction, library preparation, sequencing, pre- and post-sequencing quality control, de novo assembly, taxonomic profiling, gene annotation, online-access to raw data and result files and a detailed project report.

Add-on services (non-exhaustive list): Tailored DNA extraction and purification, genome binning, SNP-calling, Functional annotation (KO, GO and KEGG), functional enrichment analysis, manual curation of metabolic pathways, gene mining, core-genome SNP analysis, multi-locus sequencing typing (MLST), custom gene annotation, epigenetic analysis, data submission.

Working with the DNASense team



- Extensive experience from hundreds of projects and challenging samples
- Detailed documentation and full method transparency
- State-of-the-art sample preparation, DNA sequencing and bioinformatics
- Extensive expert consultant services



Genomics price example (standard package)

Technology	Assembly strategy	Assembly contiguity	Consensus accuracy	Turn-around- time*	List price/sample**
Illumina	Short-read	Typically fragmented	> 99.99 %	5 weeks	300 EUR
Oxford Nanopore	Long-read	Highly contiguous	> 99.9 %	2 weeks	250 EUR
Illumina + Oxford Nanopore	Hybrid	Highly contiguous	> 99.99 %	5 weeks	450 EUR

*Estimated turnaround time, (enquire for fast TAT) **Base of price estimate: minimum of 24 samples