Microbial community analysis



- Microbial communities affect all aspects of human activity, and understanding their significance requires high resolution community analysis
- Analysing the structure and species abundances of microbial communities is possible by sequencing taxonomic marker genes (e.g. 16S rRNA and ITS genes)

DNASense provides sample-to-answer services for gene sequencing and microbial community analysis



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

Encompassing report with actionable results

les PCA plot (bV13-PC1 [70.3%]

Materials and methods

3.1 Sample DNA extraction

DNA[®]Sense

samples was done using a slightly modified version of the stand: or Soli (MP Biomedicals, USA) with the following exceptions. 500 sophate Buffer and 120 µL MT Buffer were added to a Lysing Matr ned at 6 m/s for 4x40s (Albertsen et al., 2015). Gel electrophoresis entapes (Agilent, USA) was us ed to validate pro

3.2 Sequencing library preparation

ned 12.5 µL PCRBIO Ultra n ard et al., 2012)

ed (12.5 µl.) P ix. PCR was o 40F] CCCTAHGGGGYGCASCA and [Arch-915R] GWGCYCCC ared from action (25 µL) contained PCF

Download example report here and explore results in the DNASense app

(user EP001 and password: quite75councils)

DNA extraction	Sequencing	Raw data + QC	Analysis + app access	Price/sample (€ excl. VAT)		
				\geq 10 samples	\geq 50 samples	\geq 100 samples
				140	120	105
				125	105	95
				110	95	85
				100	85	75
 standard turn-around-time is 5 workweeks 0 workdows fast track systlable (1,200 £ fas) 				Many add-on services and customised workflows		

workdays fast-track available (1.200 € fee)

available

Founded in 2014, DNASense makes cutting-edge DNA sequencing and bioinformatics readily available to life science research in industry and academia