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Data S1

Fingerprinting data obtained from bacterial, archaeal, and viral communities.

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File list (files found within DataS1.zip)

```
exp1archforward.csv

exp1archreverse.csv

exp1bacforward.csv

exp1bacreverse.csv

exp1cra22.csv

exp1opa13.csv

exp2archforward.csv

exp2archreverse.csv

exp2bacforward.csv

exp2bacreverse.csv

exp2cra22.csv

exp2opa13.csv

exp3archforward.csv

exp3archreverse.csv

exp3bacforward.csv

exp3bacreverse.csv

exp3cra22.csv

exp3opa13.csv

exp4archforward.csv

exp4archreverse.csv

exp4bacforward.csv

exp4bacreverse.csv

exp4cra22.csv

exp4opa13.csv
```

```
exp5archforward.csv
exp5archreverse.csv
exp5bacforward.csv
exp5bacreverse.csv
exp5cra22.csv
exp5opa13.csv
```

Description

Valid for all data files: exp: number of experiment, time: time after start of incubations, 0: peak or band not present, 1: peak or band present, \N: placeholder for missing data in the SQL language.

Experiment 1 treatments: a1, b1: P-MSOW in MSOW; a2, b2: P-MSOW in NADW; a3, b3: P-NADW in MSOW; a4, b4: P-NADW in NADW; a5, b5: P-Mixture in MSOW; a6, b6: P-Mixture in NADW; a7, b7: P-Mixture in Mixture.

`exp1archforward.csv` - archaeal fingerprinting data obtained with the forward primer from experiment 1.

`exp1archreverse.csv` - archaeal fingerprinting data obtained with the reverse primer from experiment 1.

`exp1bacforward.csv` - bacterial fingerprinting data obtained with the forward primer from experiment 1.

`exp1bacreverse.csv` - bacterial fingerprinting data obtained with the reverse primer from experiment 1.

`exp1cra22.csv` - viral fingerprinting data obtained with the primer CRA22 from experiment 1.

`exp1opa13.csv` - viral fingerprinting data obtained with the primer OPA13 from experiment 1.

Experiment 2 treatments: a1, b1: P-AAIW in AAIW; a2, b2: P-AAIW in NADW; a3, b3: P-NADW in AAIW; a4, b4: P-NADW in NADW; a5, b5: P-Mixture in AAIW; a6, b6: P-Mixture in NADW; a7, b7: P-Mixture in Mixture.

`exp2archforward.csv` - archaeal fingerprinting data obtained with the forward primer from experiment 2.

`exp2archreverse.csv` - archaeal fingerprinting data obtained with the reverse primer from experiment 2.

`exp2bacforward.csv` - bacterial fingerprinting data obtained with the forward primer from experiment 2.

`exp2bacreverse.csv` - bacterial fingerprinting data obtained with the reverse primer from experiment 2.

`exp2cra22.csv` - viral fingerprinting data obtained with the primer CRA22 from experiment 2.

`exp2opa13.csv` - viral fingerprinting data obtained with the primer OPA13 from experiment 2.

Experiment 3 treatments: a1, b1: P-AAIW in AAIW; a2, b2: P-AAIW in NADW; a3, b3: P-NADW in AAIW; a4, b4: P-NADW in NADW; a5, b5: P-Mixture in AAIW; a6, b6: P-Mixture in NADW; a7, b7: P-Mixture in Mixture.

`exp3archforward.csv` - archaeal fingerprinting data obtained with the forward primer from experiment 3.

`exp3archreverse.csv` - archaeal fingerprinting data obtained with the reverse primer from experiment 3.

`exp3bacforward.csv` - bacterial fingerprinting data obtained with the forward primer from experiment 3.

`exp3bacreverse.csv` - bacterial fingerprinting data obtained with the reverse primer from experiment 3.

`exp3cra22.csv` - viral fingerprinting data obtained with the primer CRA22 from experiment 3.

`exp3opa13.csv` - viral fingerprinting data obtained with the primer OPA13 from experiment 3.

Experiment 4 treatments: a1, b1: P-NADW in NADW; a2, b2: P-NADW in AABW; a3, b3: P-AABW in NADW; a4, b4: P-AABW in AABW; a5, b5: P-Mixture in NADW; a6, b6: P-Mixture in AABW; a7, b7: P-Mixture in Mixture.

`exp4archforward.csv` - archaeal fingerprinting data obtained with the forward primer from experiment 4.

`exp4archreverse.csv` - archaeal fingerprinting data obtained with the reverse primer from experiment 4.

`exp4bacforward.csv` - bacterial fingerprinting data obtained with the forward primer from experiment 4.

`exp4bacreverse.csv` - bacterial fingerprinting data obtained with the reverse primer from experiment 4.

`exp4cra22.csv` - viral fingerprinting data obtained with the primer CRA22 from experiment 4.

`exp4opa13.csv` - viral fingerprinting data obtained with the primer OPA13 from experiment 4.

Experiment 5 treatments: a1, b1: P-NADW in NADW; a2, b2: P-NADW in AABW; a3, b3: P-AABW in NADW; a4, b4: P-AABW in AABW; a5, b5: P-Mixture in NADW; a6, b6: P-Mixture in AABW; a7, b7: P-Mixture in Mixture.

`exp5archforward.csv` - archaeal fingerprinting data obtained with the forward primer from experiment 5.

`exp5archreverse.csv` - archaeal fingerprinting data obtained with the reverse primer from experiment 5.

`exp5bacforward.csv` - bacterial fingerprinting data obtained with the forward primer rom experiment 5.

`exp5bacreverse.csv` - bacterial fingerprinting data obtained with the reverse primer from experiment 5.

`exp5cra22.csv` - viral fingerprinting data obtained with the primer CRA22 from experiment 5.

`exp5opa13.csv` - viral fingerprinting data obtained with the primer OPA13 from