Supplemental Fig.S1

Thermotoga maritima MSB8 Chromosome

| Locus | Genomic position | Repeat sequence | # Spacers |
|-------|------------------|-----------------|-----------|
| 1     | 412-3,015        | GTTCAATACCTTAGAGGTATGGAAC | 40        |
| 2     | 369,170-369,731  | GTTCAATACCTTAGAGGTATGGAAC | 8         |
| 3     | 396,568-397,133  | GTTCAATAATTCCTTAGAGGTATGGAAC | 8         |
| 4     | 409,295-410,923  | GTTCAATAATTCCTTAGAGGTATGGAAC | 24        |
| 5     | 1,428,083-1,428,243 | GTTCAATAATTCCTTAGAGGTATGGAAC | 2         |
| 6     | 1,519,912-1,520,474 | GTTCAATACCTTAGAGGTATGGAAC | 8         |
| 7     | 1,631,790-1,632,016 | GTTCAATACCTTAGAGGTATGGAAC | 3         |
| 8     | 1,779,810-1,780,701 | GTTCAATAATTCCTTAGAGGTATGGAAC | 13        |

Schematic representation of the CRISPR assays and cas genes in the genome of *T. maritima*. CRISPR arrays are grey. Type III-B genes are red, Type I-B are green and Type III-A are blue. Gene involved in Integration and processing are orange and purple, respectively.