```mermaid
flowchart TD
```

B. cereus s. l. query genomes

↓

genome annotation: Prokka

↓

protein-coding gene annotations

↓

orthology determination: HaMStR

↓

orthologous sequence clusters

↓

multiple sequence alignment: MAFFT

↓

aligned sequence clusters

↓

consensus procedure

↓

aligned clusters (one sequence per taxon)

↓

concatenation

↓

CONCATENATED_DATA_MATRIX