

## Supplemental data 1

Conserved sequences found in the flanking regions of the putative replication origin on chromosome 2 of *V. parahaemolyticus* and *V. cholerae*. VP, *V. parahaemolyticus*; VC, *V. cholerae*. The numbers denote base pairs from the putative replication origin.

### Conserved sequences 1

```
VP 104 TTACATTGTCACCTTATTTACAATGTAAA 131
      ||||| |||||||||||||||||||||
VC 104 TTACAGTGTCACCTTATTTACAATGTAAA 131
```

### Conserved sequences 2

```
VP 356 TACGAAAGCATGATCATGGC 375
      |||||||||||||||||||||
VC 594 TACGAAAGCATGATCATGGC 575
```

### Conserved sequences 3

```
VP 1038 AATCAAAAAGATCAGTTATTTAAAAACAAGATTTTTTCTTTATTTATGATCT 1090
      ||||| ||||||||||||||||||||| | | |||||||||||||||||||||
VC 1020 AATCAGAAAAGATCAGTTATTTAAAAACAACAAATTTTTCTTTATTTATGATCT 1072

VP 1091 GTTTTTCTTTATTCT 1105
      |||||||||||||||||
VC 1073 CTTTTTCTTTATTCT 1087
```