**Table S1**. PCR and qPCR primers sequences used in this study

|  |  |  |
| --- | --- | --- |
| **GENE** | **PRIMER** | **PRODUCT**  **(bp)** |
| **End point PCR** | | |
| 16S  RNAr1 | F 5´ AGAGTTTGATCMTGGCTCAG 3´  R 5´ ACCTTGTTACGACTT 3´ | 1500 |
|  |  |  |
| VA-p2 | F 5´ AGACACGGTCCAGACTCCTAC 3´  R 5´ AGGGTATCTAATCCTGTTTGCT 3´ | 474 |
|  |  |  |
| VPM3 | F 5´CAGCTACCGAAACAGACGCTA  R 5´TCCTATCGAGGACTCTCTCAAC | 675 |
|  |  |  |
| ToxR14 | F 5´ GTCTTCTGACGCAATCGTTG 3´  R 5´ ATACGAGTGGTTGCTGTCATG 3´ | 368 |
|  |  |  |
| ToxR25 | F 5´ GAACCAGAAGCGCCAGTAGT 3´  R 5´ GCATGGTGCTTAACGTAGCG 3´ | 257 |
|  |  |  |
| Tlh6 | F 5´ AAAGCGGATTATGCAGAAGCACTG 3´  R 5´ GCTACTTTCTAGCATTTTCTCTGC 3´ | 450 |
|  |  |  |
| Tdh7 | F 5´GTAAAGGTCTCTGACTTTTGGAC 3´  R 5´ TGGAATAGAACCTTCATCTTCACC 3´ | 269 |
|  |  |  |
| Trh8 | F 5´TTGGCTTCGATATTTTCAGTATCT  R 5´CATAACAAACATATGCCCATTTCCG | 500 |
|  |  |  |
| OmpW9 | F 5´ CACCAAGAAGGTGACTTTATTGTG 3´  R 5´ GAACTTATAACCACCCGCG 3´ | 588 |
|  |  |  |
| CtxAB10 | F 5 ’CTCAGACGGGATTTGTTAGGCACG ’3  R 5’ TCTATCTCTGTAGCCCCTATTAC G ’3 | 301 |
|  |  |  |
| PirA11 | F 5´TGACTATTCTCACGATTGGACTG  R 5´CACGACTAGCGCCATTGTTA | 284 |
|  |  |  |
| PirB11 | F 5´TGATGAAGTGATGGGTGCTC  R 5´TGTAAGCGCCGTTTAACTCA | 392 |
|  |  |  |
| **qPCR** | | |
| Casp 112 | F 5´ CTGAACGAGCGGAATGGCA 3´  R 5´ CCTGACCTTTCTGTAGTGTA 3´ | 133 |
|  |  |  |
| Casp 213 | F 5´ACAGGGGAAATACTGAAGGAC 3´  R 5´ AGCTACAGCTGTCAGAAACC 5´ | 165 |
|  |  |  |
| Casp 312 | F 5´ CGGGAAATTACGGGGAGTTG 3´  R 5´TCTTCGGAGGATACAGAGGG 3´ | 139 |
|  |  |  |
| Casp 713 | F 5´ ATTGGACCACAGAGACAACG 3’  R 5´ TGTTGCCTTTGAAGGGCTCC 3’ | 135 |
|  |  |  |
| Casp 814 | F 5´ CAGGGAAGCTGGTTCGTCAA 3´  R 5´ CCCTCCAGTCGGGCGTTA 3´ | 125 |
|  |  |  |
| RL 715 | F 5´ TCCCAAGCCAAGGAAGGTTATGC 3´  R 5´ CAAAGCGTCCGAGGTGTTTCTCAA 3 | 242 |
|  |  |  |
| RL 3615 | F 5´ CATAGAACCATTCCTCTGAAAGCTG 3´  R 5´ CGTAGGGAGCAAATCCTGTGA 3´ | 124 |

VPM, *Vibrio parahaemolyticus* metalloprotease; ToxR, transmembrane DNA-binding protein; Tlh, Thermolabil hemolysin; Tdh, Thermostable direct hemolysin; Trh, thermostable direct hemolysin-related gene; OmpW, Outer membrane protein; CtxAB, Cholera toxin; Casp, caspase; RL, Ribosomal protein.

\*References for primer sequences sourced from the literature are provided below.

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**Table S2**. *Vibrio campbellii*, and *V. parahaemolyticus* amplified genes

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Strain/ Genes | 16s | Vap | VPM | ToxR | Tlh | Tdh | Trh | OmpW | CtxAB | PirA | PirB |
| *Vibrio campbellii* | + | + | - | + | - | - | - | + | - | - | - |
| *Vibrio parahaemolyticus* | + | + | + | + | + | + | - | + | - | + | + |

+, positive; -, negative.

VPM, *Vibrio parahaemolyticus* metalloprotease; ToxR, transmembrane DNA-binding protein; Tlh, Thermolabil hemolysin; Tdh, Thermostable direct hemolysin; Trh, thermostable direct hemolysin-related gene; OmpW, Outer membrane protein; CtxAB, Cholera toxin.