**Supplementary file 1**

Supplementary Table 1. Primers for tested *Wolbachia* markers that did not produce a PCR product in our material.

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| --- | --- | --- | --- | --- |
| Primer | Direction | Marker | Sequence (5'-3') | Original publication |
| ftsZfl | F | *ftsZ* | GTT GTC GCA AAT ACC GAT GC | Werren et al. (1995) |
| ftsZrl | R | *ftsZ* | CTT AAG TAA GCT GGT ATA TC |
| wspF | F | *wsp* | GTC CAA TAR STG ATG ARG AAA C | Sazama et al. (2017) |
| wspR | R | *wsp* | CYG CAC CAA YAG YRC TRT AAA |
| 341F | F | 16S | CCT ACG GGA GGC AGC AG |
| 534R | R | 16S | ATT ACC GCG GCT GCT GGC |

Sazama, E. J., Bosch, M. J., Shouldis, C. S., Ouellette, S. P., & Wesner, J. S. 2017. Incidence of Wolbachia in aquatic insects. *Ecology and evolution, 7*(4), 1165-1169. <https://doi.org/10.1002/ece3.2742>

Werren, J. H., Zhang, W., & Guo, L. R. 1995. Evolution and phylogeny of Wolbachia: reproductive parasites of arthropods. *Proceedings of the Royal Society of London. Series B: Biological Sciences*, *261*(1360), 55-63. <https://doi.org/10.1098/rspb.1995.0117>