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# *Candidatus* Coxiella massiliensis Infection

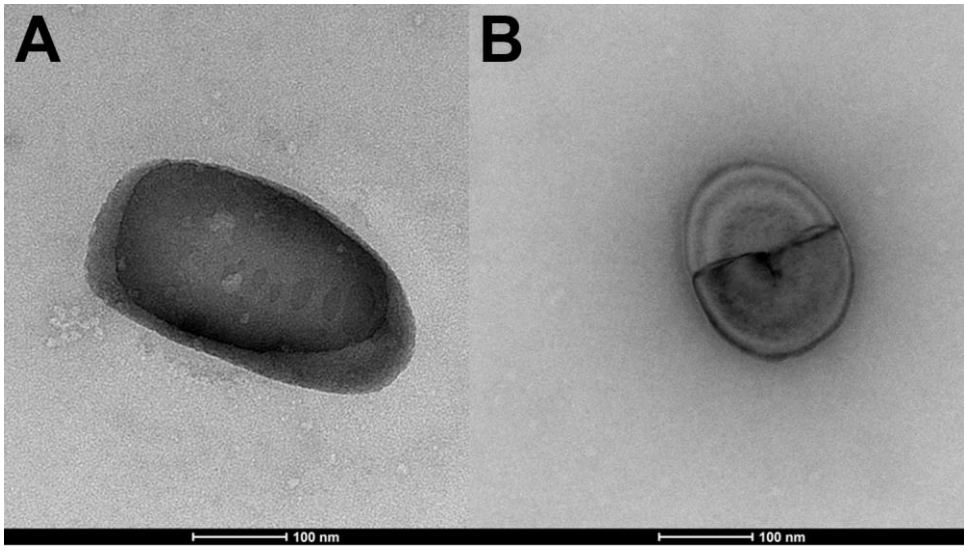
## Technical Appendix

**Technical Appendix Table 1.** Primer and probes sequences used for the detection of *Coxiella*- like bacteria

| Primer and probes sequences | Targeted gene | Utilization |
|---|---|---|
| Forward: ACCTACCCTTGACATCCTCGGAA | rrs | Identification of *Candidatus* |
| Reverse: GCAACTAAGGACGAGGGTTG | | Coxiella massiliensis and other |
| Probe: 6FAM-CAGCTCGTGTCGTGAGATGT-TAMRA | | *Coxiella*-like bacteria in samples |
| Forward: 660f GGCGCICARATGGTTAARGA | groEL | Amplification of chaperonin genes |
| Reverse: 1320r AACATCGCTTTACGACGA | | for phylogenetic studies |

**Technical Appendix Table 2.** GenBank accession numbers of sequences identified during study of *Candidatus* Coxiella massiliensis infection

| Accession no. | Tick host | Origin | Bacterial gene |
|---|---|---|---|
| ***Candidatus* Coxiella massiliensis** | | | |
| KM079624 | *Rhipicephalus sanguineus* | Laboratory colony in France, originally from Algeria | *rrs* |
| KM079625 | *Rhipicephalus sanguineus* | Laboratory colony in France, originally from Algeria | *rrs* |
| KM079626 | *Rhipicephalus turanicus* | Laboratory colony in France, originally from France | *rrs* |
| KM079627 | *Rhipicephalus sanguineus* | Laboratory colony in France, originally from Algeria | *groEL* |
| KM079628 | *Rhipicephalus bursa* | Laboratory colony in France, originally from France | *groEL* |
| **Other *Coxiella*-like bacteria from ticks** | | | |
| KM079617 | *Amblyomma variegatum* | Senegal | *rrs* |
| KM079618 | *Dermacentor silvarum* | France | *rrs* |
| KM079619 | *Haemaphysalis concinna* | Far Eastern Russia | *rrs* |
| KM079620 | *Haemaphysalis japonica douglasi* | Far Eastern Russia | *rrs* |
| KM079621 | *Haemaphysalis japonica douglasi* | Far Eastern Russia | *rrs* |
| KM079623 | *Rhipicephalus bursa* | Laboratory colony in France, originally from France | *rrs* |




**Technical Appendix Figure**. Transmission electron micrograph of *Candidatus* Coxiella massiliensis taken with a Morgagni 268D microscope (Philips, Endhoven, the Netherlands) at an operating voltage of 60 kV. A) Ovoid form. B) Coccoid form.