

Table S1. Designation, information on the origins, and mitochondrial 16S rRNA genotypes of the remaining Tunisian isolates of *Hyalomma marginatum* ticks infesting cattle.

Sample	Location	<i>Rickettsia</i> (+/-)	Morphologically identified tick species	BLAST analysis of mito 16S rRNA (Genotype)
Hyma76	Bjaoua	<i>Rickettsia</i> +	<i>Hyalomma</i> sp.	100% <i>Hy. marginatum</i> (OQ109207, Hymar16SG1)
Hyma2	K. El Andalous	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. marginatum</i> (OQ109208, Hymar16SG1)
Hyma4	K. El Andalous	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. marginatum</i> (OQ109209, Hymar16SG1)
Hyma130	Sidi Othmen	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. marginatum</i> (OQ109210, Hymar16SG1)
Hyma246	M. Bourguiba	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. marginatum</i> (OQ109211, Hymar16SG1)
Hyma139	Sidi Othmen	<i>Rickettsia</i> -	<i>Hy. marginatum</i>	99.6% <i>Hy. marginatum</i> (OQ109212, Hymar16SG2)

Abbreviations: *Rickettsia* (+/-): Positive or negative to *Rickettsia* spp. *ompB* PCR; K. El Andalous: Kalâat El Andalous; M. Bourguiba : Menzel Bourguiba; mito 16S rRNA: mitochondrial 16S rRNA.

Table S2. Designation, information on the origins, and mitochondrial 16S rRNA genotypes of the remaining Tunisian isolates of *Hyalomma excavatum* ticks infesting cattle.

Sample	Location	<i>Rickettsia</i> (+/-)	Morphologically identified tick species	BLAST analysis of mito 16S rRNA (Genotype)
Hyex15	K. El Andalous	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.6% <i>Hy. excavatum</i> (OQ109234, Hyexc16SG2)
Hyex93	Jdaida	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.2% <i>Hy. excavatum</i> (OQ109235, Hyexc16SG1)
Hyex29	Sejnane	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.6% <i>Hy. excavatum</i> (OQ109236, Hyexc16SG2)
Hyex30	Joumine	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.6% <i>Hy. excavatum</i> (OQ109237, Hyexc16SG2)
Hyex159	Jdaida	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.2% <i>Hy. excavatum</i> (OQ109238, Hyexc16SG1)
Hyex233	Jdaida	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.2% <i>Hy. excavatum</i> (OQ109239, Hyexc16SG1)
Hyex138	Sidi Othmen	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.2% <i>Hy. excavatum</i> (OQ109240, Hyexc16SG1)
Hyex66	M. Bourguiba	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	99.2% <i>Hy. excavatum</i> (OQ109241, Hyexc16SG1)
Hyex65	M. Bourguiba	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.6% <i>Hy. excavatum</i> (OQ109242, Hyexc16SG2)
Hyex150	Sidi Othmen	<i>Rickettsia</i> -	<i>Hy. excavatum</i>	99.2% <i>Hy. excavatum</i> (OQ109243, Hyexc16SG1)

Abbreviations: *Rickettsia* (+/-): Positive or negative to *Rickettsia* spp. *ompB* PCR; K. El Andalous: Kalâat El Andalous; M. Bourguiba: Menzel Bourguiba; mito 16S rRNA: mitochondrial 16S rRNA.

Table S3. Designation, information on the origins, and mitochondrial 16S rRNA genotypes of Tunisian isolates of *Hyalomma scupense* ticks infesting cattle.

Sample	Location	<i>Rickettsia</i> (+/-)	Morphologically identified tick species	BLAST analysis of mito 16S rRNA (Genotype)
Hysc136	Sidi Othmen	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109245, Hyscu16SG1)
Hysc40	Mabtouh	<i>Rickettsia</i> -	<i>Hy. scupense</i>	100% <i>Hy. scupense</i> (OQ109246, Hyscu16SG1)
Hysc38	Mabtouh	<i>Rickettsia</i> +	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109247, Hyscu16SG1)
Hysc105	Dhniba	<i>Rickettsia</i> -	<i>Hy. scupense</i>	100% <i>Hy. scupense</i> (OQ109248, Hyscu16SG1)
Hysc22	Sejnane	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109249, Hyscu16SG1)

Hysc33	Mabtouh	<i>Rickettsia</i> -	<i>Hy. scupense</i>	100% <i>Hy. scupense</i> (OQ109250, Hyscu16SG1)
Hysc37	Mabtouh	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109251, Hyscu16SG1)
Hysc71	Tebourba	<i>Rickettsia</i> -	<i>Hy. scupense</i>	100% <i>Hy. scupense</i> (OQ109252, Hyscu16SG1)
Hysc103	Dhniba	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109253, Hyscu16SG1)
Hysc104	Dhniba	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109254, Hyscu16SG1)
Hysc106	Dhniba	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109255, Hyscu16SG1)
Hysc42	Mabtouh	<i>Rickettsia</i> -	<i>Hyalomma</i> sp.	100% <i>Hy. scupense</i> (OQ109256, Hyscu16SG1)

Abbreviations: *Rickettsia* (+/-): Positive or negative to *Rickettsia* spp. *ompB* PCR.

Table S4. Designation, information on the origins, and mitochondrial 16S rRNA genotypes of the remaining Tunisian isolates of *Rhipicephalus sanguineus* sensu lato ticks infesting cattle.

Sample	Location	<i>Rickettsia</i> (+/-)	Morphologically identified tick species	BLAST analysis of mito 16S rRNA (Genotype)
Rhsa292	M. Bourguiba	<i>Rickettsia</i> +	<i>Rh. sang</i> s.l.	100% <i>Rh. sang</i> s.l. (OQ109269, Rhsang16SG1)
Rhsa277	M. Bourguiba	<i>Rickettsia</i> +	<i>Rh. sang</i> s.l.	100% <i>Rh. sang</i> s.l. (OQ109270, Rhsang16SG1)
Rhsa272	M. Bourguiba	<i>Rickettsia</i> +	<i>Rh. sang</i> s.l.	100% <i>Rh. sang</i> s.l. (OQ109271, Rhsang16SG1)

Abbreviations: *Rickettsia* (+/-): Positive or negative to *Rickettsia* spp. *ompB* PCR; *Rh. sang* s.l.: *Rhipicephalus sanguineus* sensu lato; M. Bourguiba: Menzel Bourguiba; mito 16S rRNA: mitochondrial 16S rRNA.