New taxa- Proteobacteria

*Rickettsia amblyommatis* sp. nov., a spotted fever group *Rickettsia* associated with multiple species of *Amblyomma* ticks in North and South America

Running title: *Rickettsia amblyommatis* sp. nov.

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FIGURE LEGENDS

Fig. S1. Maximum Parsimony analysis of selected spotted fever group *Rickettsia*. The evolutionary history was inferred using the Maximum Parsimony method using the Subtree-Pruning-Regrafting algorithm. A total of 10,642 positons were included in the analysis and bootstrap values for 1000 replicates are displayed next to the branches. Branch lengths are in units of number of changes over the whole sequence.

Fig. S2. Maximum Likelihood analysis of selected spotted fever group *Rickettsia*. The evolutionary history was inferred using the Maximum Likelihood method using the Tamura-Nei model while pairwise distances were estimated using the Maximum Composite Likelihood approach. A total of 10,642 positons were included in the analysis and bootstrap values for 1000 replicates are displayed next to the branches. Branch lengths are in units of number of substitutions per site.
Fig. S1

- Rickettsia africae ESF-5
- Rickettsia parkeri maculatum 20T
- Rickettsia sibirica 246T
- Rickettsia conorii Malish 7T
- Rickettsia slovaca 13-B
- Rickettsia honei RBT
- Rickettsia rickettsii Sheila SmithT
- Rickettsia japonica YHT
- Rickettsia amblyommatis WB-8-2T
- Rickettsia raoultii KhabarovskT
- Rickettsia aeschlimannii MC16T
- Rickettsia massilae Mtu1T
- Rickettsia rhipicephali Burgdorfer 3-7-female 6T
- Rickettsia montanensis M/5-6
- Rickettsia felis URRWXCal2T
Fig. S2

Rickettsia africae ESF-5
Rickettsia parkeri maculatum 20T
Rickettsia sibirica 246T
Rickettsia conorii Malish 7T
Rickettsia slovaca 13-B
Rickettsia honei RBT
Rickettsia rickettsii Sheila SmithT
Rickettsia japonica YHT

Rickettsia amblyommatis WB-8-2T
Rickettsia raoultii KhabarovskT
Rickettsia aeschlimannii MC16T
Rickettsia massiliae Mtu1T
Rickettsia rhipicephali Burgdorfer 3-7-female 6T
Rickettsia montanensis M/5-6

Rickettsia felis URRWXCal2T
KX151486

ATATAAGTAGGCTGCTGGAAGCTGATTGCTTTACTTACTAGCAGCGCTGATGGCTATGGGCTATGATATTAAATGATGAGAAC
AGTGATTTTACGGCATATTTTTAGGCAAGTATACCAAGTGAAGCTAGTACGAGCTGAAGC

KX151487

AGAGTAGCTTCTGATGTGTAGTATATTTACTTGCAATCCGAGCATTGTAACCGATTCCGTACTCCATCTTAGGCTTTATGCTTGCA
