

Article

First Molecular Detection of *Bartonella Bovis* and *Bartonella Schoenbuchensis* in European Bison (*Bison Bonasus*)

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Table S1. Detailed PCR protocols for *Bartonella* spp. detection.

Target	1 step PCR	2 step PCR	1 st PCR amplification steps	2 nd PCR amplification steps
<i>ssrA</i> ^a	1× SensiMix™ II Probe 0.2 µM ssrA-F1 Primer 0.2 µM ssrA-R1 Primer 0.1 µM ssrA-P1 Probe 100 ng DNA		95 °C – 10 min 95 °C – 20 s 50 × 50 °C – 1 min 72 °C – 10 s	
<i>gltA</i> ^b	1× DreamTaq Green PCR MM 0.4 µM BhCS.781p primer 0.4 µM BhCS.1137n primer 200 ng DNA		95 °C – 5 min 95 °C – 1 min 40 × 55 °C – 1 min 72 °C – 1 min 72 °C – 5 min	
<i>rpoB</i> ^b	1× DreamTaq Green PCR MM 0.8 µM 1400F primer 0.8 µM 2300R primer 200 ng DNA		96 °C - 2 min 94 °C - 50 s 45 × 55 °C - 50 s 72 °C - 1 min 72 °C - 5 min	
16 S–23 S rRNA ITS region ^c	1× Taq Buffer with KCl 2.5 mM MgCl ₂ 0.2 mM dNTP Mix 1.5 U Taq DNA Polymerase 0.4 µM WITS-F primer 0.4 µM WITS-R primer 200ng DNA	1× Taq Buffer with KCl 2 mM MgCl ₂ 0.2 mM dNTP Mix 1.5 U Taq DNA Polymerase 0.4 µM Bh311-332F primer 0.4 µM ITS-R primer 1 µl PCR product	96 °C - 2 min 94 °C - 50 s 40 × 48 °C - 50 s 72 °C - 1 min 30 s 72 °C - 10 min	96 °C - 2 min 94 °C - 45 s 45 × 60 °C - 30 s 72 °C - 45 s 72 °C - 5 min

^a Real time PCR ^b Conventional PCR ^c Nested PCR