Table S1. Sequences of the V4 16S rDNA region used in this study.

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| **Species** | **GenBank acc. no.** |
| ASV01 | PP406298 |
| ASV02 | PP406293 |
| ASV03 | PP406303 |
| ASV04 | PP406292 |
| ASV05 | PP406300 |
| ASV06 | PP406302 |
| ASV07 | PP406304 |
| ASV08 | PP406305 |
| ASV09 | PP406296 |
| ASV10 | PP406297 |
| ASV11 | PP406299 |
| ASV12 | PP406294 |
| ASV14 | PP406295 |
| ASV15 | PP406306 |
| ASV16 | PP406290 |
| ASV17 | PP406291 |
| ASV18 | PP407998 |
| ASV19 | PP407999 |
| *B. afzelii* | CP075440 |
| *B. afzelii* | NZ\_CP009212 |
| *B. anserina* | CP013704 |
| *B. bavariensis* | NC\_6156 |
| *B. bissettiae* | CP002746 |
| *B. carolinensis* | NZ\_CP132445 |
| *B. carolinensis* | NZ\_CP132465 |
| *B. chilensis* | CP009910 |
| *B. coriaceae* | NZ\_CP005745 |
| *B. crocidurae* | NZ\_CP004267 |
| *B. duttonii* | NZ\_AZIT01000001 |
| *B. garinii* | CP075451 |
| *B. garinii* | NZ\_CP028861 |
| *B. garinii* subsp*. bavariensis* | NR\_178227 |
| *B. hermsii* | NZ\_CP011060 |
| *B. lusitaniae* | NZ\_CP124050 |
| *B. maritima* | NZ\_CP044535 |
| *B. miyamotoi* | MZ918969 |
| *B. miyamotoi* | MZ918974 |
| *B. miyamotoi* | MZ918983 |
| *B. miyamotoi* | MZ918981 |
| *B. parkeri* | NZ\_CP007022 |
| *B. recurrentis* | NC\_11244 |
| *B. spielmanii* | NZ\_CP124042 |
| *B. turcica* | NZ\_CP028884 |
| *B. turicatae* | NC\_8710 |
| *B. valaisiana* | NZ\_ABCY02000001 |
| *B. valaisiana* | U78154 |
| *B. valaisiana* | U78155 |
| *B. yangtzensis* | CP124002 |
| *Borrelia* sp. | AY570512 |