**Supplementary Table S4.** Pairwise distance among the tick species. The distance was calculated based on the complete nuclear 18S rDNA sequences (1812–1816 bp) of the ticks

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Tick species (ID) | *H. longicornis* (C94) | *H. longicornis* (J83) | *H. flava* (C78) | *H. flava* (J93) | *H. doenitzi* (C139) | *I. nipponensis* (J1) | *I. nipponensis* (J23) | *A. testudinarium* (J73) | *A. testudinarium* (J94) |
| *H. longicornis* (C94) | 1 |  |  |  |  |  |  |  |  |
| *H. longicornis* (J83) | 1 | 1 |  |  |  |  |  |  |  |
| *H. flava* (C78) | 0.998 | 0.998 | 1 |  |  |  |  |  |  |
| *H. flava* (J93) | 0.998 | 0.998 | 1 | 1 |  |  |  |  |  |
| *H. doenitzi* (C139) | 0.993 | 0.993 | 0.994 | 0.994 | 1 |  |  |  |  |
| *I. nipponensis* (J1) | 0.957 | 0.957 | 0.957 | 0.957 | 0.957 | 1 |  |  |  |
| *I. nipponensis* (J23) | 0.957 | 0.957 | 0.957 | 0.957 | 0.957 | 1 | 1 |  |  |
| *A. testudinarium* (J73) | 0.977 | 0.977 | 0.978 | 0.978 | 0.974 | 0.954 | 0.954 | 1 |  |
| *A. testudinarium* (J94) | 0.977 | 0.977 | 0.978 | 0.978 | 0.974 | 0.954 | 0.954 | 1 | 1 |