

Table S13 The *Bartonella* pITS variants found in individual fleas and the *Bartonella* pITS variants found in the rodent hosts from which each flea was collected. Data are limited as the only year in which both rodents and fleas were screened for *Bartonella* DNA was 2012, and in addition, only a subset of the pITS amplicons from rodents was sequenced. Thus there were only 8 *Bartonella*-positive fleas collected from bank voles and 15 from wood mice for which data on the *Bartonella* variants carried by the rodent from which they were collected are also available.

| Site | Flea species | <i>Bartonella</i> variant in flea | Rodent species | <i>Bartonella</i> variant in rodent blood | Variant match? |
|------|-----------------------|-----------------------------------|----------------|---|----------------|
| RH | <i>C. n. vulgaris</i> | birtlesii-8 | Bank Vole | rochalimae-like-1 | no |
| RH | <i>A. p. mustelae</i> | rochalimae-like-1 | Bank Vole | taylorii-3 | no |
| MFG | <i>C. n. vulgaris</i> | taylorii-8 | Bank Vole | rudakovii-1 | no |
| RH | <i>C. n. vulgaris</i> | taylorii-2 | Bank Vole | taylorii-2 | yes |
| RH | <i>C. n. vulgaris</i> | taylorii-3 | Bank Vole | taylorii-3 | yes |
| RH | <i>H. t. talpae</i> | taylorii-3 | Bank Vole | taylorii-3 | yes |
| RH | <i>A. p. mustelae</i> | taylorii-3 | Bank Vole | taylorii-3 | yes |
| MFG | <i>C. n. vulgaris</i> | grahamii-1 | Bank Vole | grahamii-1 | yes |
| RH | <i>M. turbidus</i> | grahamii-6 | Wood Mouse | BGA-1 | no |
| MFG | <i>M. turbidus</i> | grahamii-1 | Wood Mouse | doshiae-like-1 | no |
| MFG | <i>A. p. mustelae</i> | grahamii-5 | Wood Mouse | birtlesii-5 | no |
| MFG | <i>C. n. vulgaris</i> | grahamii-1 | Wood Mouse | birtlesii-2 | no |
| MFG | <i>C. n. vulgaris</i> | doshiae-1 | Wood Mouse | taylorii-4 | no |
| MFG | <i>C. n. vulgaris</i> | taylorii-9 | Wood Mouse | grahamii-5 | no |
| MFG | <i>C. n. vulgaris</i> | taylorii-11 | Wood Mouse | taylorii-5 | no |
| MFG | <i>C. n. vulgaris</i> | doshiae-like-1 | Wood Mouse | taylorii-8 | no |
| MFG | <i>C. n. vulgaris</i> | BGA-1 | Wood Mouse | taylorii-9 | no |
| RH | <i>C. n. vulgaris</i> | BGA-1 | Wood Mouse | BGA-1 | yes |
| MFG | <i>C. n. vulgaris</i> | doshiae-like-1 | Wood Mouse | doshiae-like-1 | yes |
| MFG | <i>C. n. vulgaris</i> | doshiae-like-1 | Wood Mouse | doshiae-like-1 | yes |
| MFG | <i>A. p. mustelae</i> | grahamii-5 | Wood Mouse | grahamii-5 | yes |
| MFG | <i>R. pentacantha</i> | birtlesii-5 | Wood Mouse | birtlesii-5 | yes |
| MFG | <i>C. n. vulgaris</i> | taylorii-4 | Wood Mouse | taylorii-4 | yes |