**Table A. Information of ectoparasites collected from rodent in this study.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Region** | **Provinces** | **Number of rodent collected** | **Number of rodents without ectoparasites** | **Number of rodents infested with ectoparasites** | **Number of rodent with > 2 types of ectoparasites**  | **Rodent-associated ectoparasites** | **Number of rodent infested with pool(s) of ectoparasites** |
| **Total pool** | **1 pool** | **2 pools** | **> 4 pools** |
| **North** | Chiangrai | 138 | 79 | 59 | 0 | Mite | 57 | 57 |   |   |
|  |   |   |   |   |   | Fleas | 0 | 0 |   |   |
|  |   |   |   |   |   | Louse | 2 | 2 |   |   |
|  |   |   |   |   |   | Tick  | 0 | 0 |   |   |
|  | Phayao | 61 | 32 | 29 | 10 (Chigger + Tick) | Mite | 15 | 15 |   |   |
|  |   |   |   |   | 2 (Flea+Tick) | Fleas | 2 | 2 |   |   |
|  |   |   |   |   |   | Louse | 0 | 0 |   |   |
|  |   |   |   |   |   | Tick  | 157 | 2 | 2 | 20 |
| **Northeast** | Loei | 53 | 17 | 36 | 6 (Chigger + Tick) | Mite | 25 | 25 |   |   |
|  |   |   |   |   |   | Fleas | 11 | 11 |   |   |
|  |   |   |   |   |   | Louse | 0 | 0 |   |   |
|  |   |   |   |   |   | Tick  | 7 | 5 | 1 |   |
|  | Nong Bua Lam Phu | 42 | 17 | 25 | 0 | Mite | 8 | 8 |   |   |
|  |   |   |   |   |   | Fleas | 26 | 10 | 8 |   |
|  |   |   |   |   |   | Louse | 1 | 1 |   |   |
|  |   |   |   |   |   | Tick  | 0 | 0 |   |   |
| **East** | Rayong | 39 | 19 | 20 | 4 (Chigger + Lice) | Mite | 14 | 14 |   |   |
|  |   |   |   |   | 2 (Chigger + Tick) | Fleas | 2 | 2 |   |   |
|  |   |   |   |   | 2 (Tick + Lice + Chigger) | Louse | 8 | 8 |   |   |
|  |   |   |   |   |   | Tick  | 6 | 6 |   |   |
|  | Trat | 101 | 64 | 37 | 0 | Mite | 15 | 15 |   |   |
|  |   |   |   |   |   | Fleas | 20 | 20 |   |   |
|  |   |   |   |   |   | Louse | 4 | 4 |   |   |
|  |   |   |   |   |   | Tick  | 0 | 0 |   |   |
| **South** | Chumphon | 79 | 6 | 73 | 16 (Chigger + Lice) | Mite | 73 | 73 |   |   |
|  |   |   |   |   |   | Fleas | 0 | 0 |   |   |
|  |   |   |   |   |   | Louse | 16 | 16 |   |   |
|  |   |   |   |   |   | Tick  | 0 | 0 |   |   |
|  | Surat Thani | 106 | 25 | 81 | 2 (Chigger + Lice) | Mite | 80 | 80 |   |   |
|  |   |   |   |   | 1 (Chigger + Lice + Flea) | Fleas | 1 | 1 |   |   |
|   |   |   |   |   |   | Louse | 4 | 4 |   |   |
|   |   |   |   |   |   | Tick  | 0 | 0 |   |   |
| Grand Total (# pool) |   | 619 | 259 | 360 |   |   | 554 | 381 | 22 | 151 |

**Table B. *Bartonella* DNA detection in flea pools classified by gender**.

|  |  |
| --- | --- |
| **Province** | **No. of *Bartonella* DNA positive/total collected (% positive)** |
| **Flea gender** | **Grand Total** |
| **female** | **male** |
| Loei | 3/9 (33.3) | 0/2 (0) | 3/11 (27.3) |
| Nong Bua Lam Phu | 1/14 (7.1) | 1/12 (8.3) | 2/26 (7.7) |
| Phayao | 0/2 (0) | - | 0/2 (0) |
| Rayong | 1/2 (50.0) | - | 1/2 (50.0) |
| Surat Thani | 1/1 (100.0) | - | 1/1 (100.0) |
| Trat | 9/20 (45.0) | - | 9/20 (45.0) |
| **Grand Total** | 15/48 (31.3) | 1/14 (7.1) | 16/62 (25.8) |

**Table C**. ***Bartonella* DNA detection in tick pools classified by stage and gender**.

|  |  |
| --- | --- |
| **Province** | **No. of *Bartonella* DNA positive/total collected (% positive)** |
| **Tick stage/gender** | **Grand Total** |
| **female** | **male** | **nymph** | **larva** |
| Loei | 0/2 (0) | -  | -  | 0/5 (0) | 0/7 (0) |
| Phayao | 5/68 (7.4) | 0/44 (0) | 0/10 (0) | 0/35 (0) | 5/157 (3.2) |
| Rayong | 1/1 (100.0) | 0/5 (0) | -  | -  | 1/6 (16.7) |
| **Grand Total** | 6/71 (8.5) | 0/49 (0) | 0/10 (0) | 0/40 (0) | 6/170 (3.5) |

Note: No tick was collected from rodents in Nong Bua Lam Phu, Surat Thani, and Trat.