**Table S8: Results of the reconciliation analyses using Jane.** Secondary symbiont phylogenies are mapped on Buchnera aphidicola phylogeny. Samples whose coverage is sufficient for detection but insufficient coverage for reliable phylogenetic placement (between 1 and 10X) were pruned.

|  |  |  |  |
| --- | --- | --- | --- |
| **Secondary symbiont** | **Type of event** | **Cost** | **p-value** |
| **Cospeciation** | **Duplication & Host-switch** | **Loss** |  |  |
| Serratia | 4 | 4 | 3 | 11 | 0.02 |
| Hamiltonella | 6 | 9 | 3 | 21 | 0.0001 |
| Regiella | 1 | 10 | 0 | 20 | 0.95 |
| Rickettsia | 4 | 4 | 3 | 10 | 0.075 |
| Fukatsuia | 4 | 3 | 1 | 7 | 0.01 |
| Spiroplasma | 3 | 8 | 1 | 17 | 0.12 |
| Rickettsiella | 1 | 6 | 1 | 13 | 0.95 |