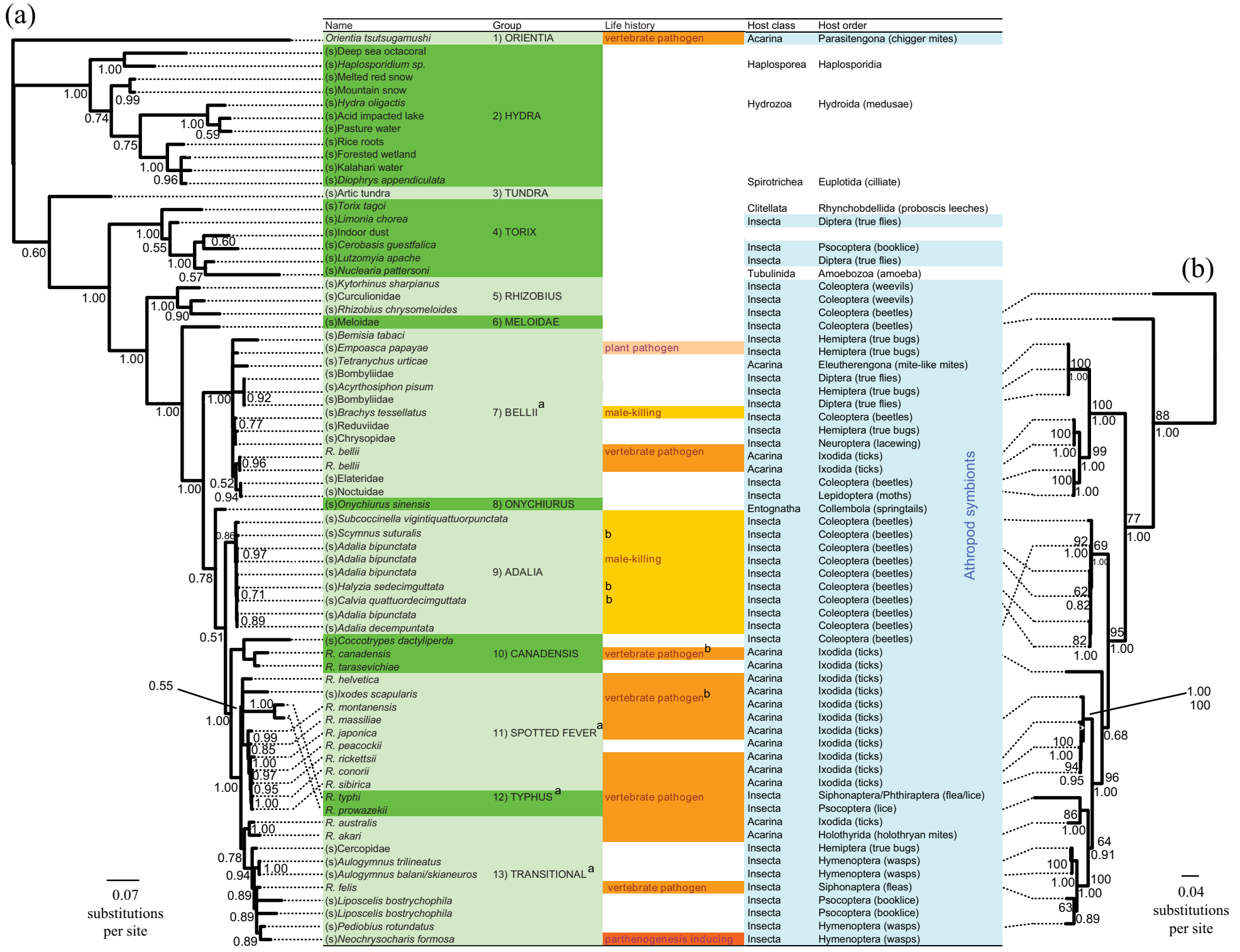
(a)
Name
Group
Life history
Host class
Host order
Orientia tsutsugamushi
1) ORIENTIA
vertebrate pathogen
Acarina
Parasitengona (chigger mites)
(s)Deep sea octacoral
(s)Haplosporidium sp.
(s)Melted red snow
(s)Mountain snow
(s)Hydra oligactis
(s)Acid impacted lake
(s)Pasture water
(s)Rice roots
(s)Forested wetland
(s)Kalahari water
(s)Diophrys appendiculata
2) HYDRA
Haplosporea
Haplosporidia
Hydrozoa
Hydroida (medusae)
Spirotrichea
Euplotida (cilliate)
(s)Artic tundra
3) TUNDRA
(s)Torix tagoi
(s)Limonia chorea
(s)Indoor dust
(s)Cerobasis guestfalica
(s)Lutzomyia apache
(s)Nuclearia pattersoni
4) TORIX
Clitellata
Rhynchobdellida (proboscis leeches)
Insecta
Diptera (true flies)
Insecta
Psocoptera (booklice)
Insecta
Diptera (true flies)
Tubulinida
Amoebozoa (amoeba)
(s)Kytorhinus sharpianus
(s)Curculionidae
(s)Rhizobius chrysomeloides
5) RHIZOBIUS
(s)Meloidae
6) MELOIDAE
(s)Bemisia tabaci
(s)Empoasca papayae
(s)Tetranychus urticae
(s)Bombyliidae
(s)Acyrthosiphon pisum
(s)Bombyliidae
(s)Brachys tessellatus
(s)Reduviidae
(s)Chrysopidae
R. bellii
R. bellii
(s)Elateridae
(s)Noctuidae
7) BELLII a
plant pathogen
male-killing
vertebrate pathogen
Insecta
Coleoptera (weevils)
Insecta
Coleoptera (weevils)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Hemiptera (true bugs)
Insecta
Hemiptera (true bugs)
Acarina
Eleutherengona (mite-like mites)
Insecta
Diptera (true flies)
Insecta
Hemiptera (true bugs)
Insecta
Diptera (true flies)
Insecta
Coleoptera (beetles)
Insecta
Hemiptera (true bugs)
Insecta
Neuroptera (lacewing)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Insecta
Coleoptera (beetles)
Insecta
Lepidoptera (moths)
(s)Onychiurus sinensis
8) ONYCHIURUS
Entognatha
Collembola (springtails)
(s)Subcoccinella vigintiquattuorpunctata
(s)Scymnus suturalis
(s)Adalia bipunctata
(s)Adalia bipunctata
(s)Adalia bipunctata
(s)Halyzia sedecimguttata
(s)Calvia quattuordecimguttata
(s)Adalia bipunctata
(s)Adalia decempuntata
9) ADALIA
b
male-killing
b
b
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
Insecta
Coleoptera (beetles)
(s)Coccotrypes dactyliperda
R. canadensis
R. tarasevichiae
10) CANADENSIS
vertebrate pathogen b
Insecta
Coleoptera (beetles)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
R. helvetica
(s)Ixodes scapularis
R. montanensis
R. massiliae
R. japonica
R. peacockii
R. rickettsii
R. conorii
R. sibirica
R. typhi
R. prowazekii
11) SPOTTED FEVER a
12) TYPHUS a
vertebrate pathogen b
vertebrate pathogen
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Acarina
Ixodida (ticks)
Insecta
Siphonaptera/Phthiraptera (flea/lice)
Insecta
Psocoptera (lice)
R. australis
R. akari
Acarina
Ixodida (ticks)
Acarina
Holothyrida (holothryan mites)
(s)Cercopidae
(s)Aulogymnus trilineatus
(s)Aulogymnus balani/skianeuros
R. felis
(s)Liposcelis bostrychophila
(s)Liposcelis bostrychophila
(s)Pediobius rotundatus
(s)Neochrysocharis formosa
13) TRANSITIONAL a
vertebrate pathogen
parthenogenesis inducing
Insecta
Hemiptera (true bugs)
Insecta
Hymenoptera (wasps)
Insecta
Hymenoptera (wasps)
Insecta
Siphonaptera (fleas)
Insecta
Psocoptera (booklice)
Insecta
Psocoptera (booklice)
Insecta
Hymenoptera (wasps)
Insecta
Hymenoptera (wasps)
Athropod symbionts
0.07
substitutions
per site
(b)
0.04
substitutions
per site