

Table S2. AT contents of *16S rRNA* gene of the gut symbiotic bacteria of the plataspid stinkbugs, the obligate primary endocellular symbiotic bacteria of various insects, and free-living bacteria representing the γ -subclass of the *Proteobacteria*.

SYMBIONT	HOST INSECT	AT CONTENT (%)
Obligate gut symbiont of plataspid stinkbugs		
<i>Ishikawaella capsulata</i>	<i>Brachyplatys subaeneus</i>	53.9
<i>Ishikawaella capsulata</i>	<i>Brachyplatys vahlii</i>	54.1
<i>Ishikawaella capsulata</i>	<i>Coptosoma japonicum</i>	51.9
<i>Ishikawaella capsulata</i>	<i>Coptosoma parvipictum</i>	50.1
<i>Ishikawaella capsulata</i>	<i>Coptosoma sphaerula</i>	51.9
<i>Ishikawaella capsulata</i>	<i>Megacopta cribraria</i>	50.8
<i>Ishikawaella capsulata</i>	<i>Megacopta punctatissima</i>	50.7
Obligate endocellular symbiont of various insects		
<i>Buchnera aphidicola</i>	<i>Acyrtosiphon pisum</i> (aphid)	49.8
<i>Buchnera aphidicola</i>	<i>Geoica urticularia</i> (aphid)	51.3
<i>Buchnera aphidicola</i>	<i>Yamatocallis tokyoensis</i> (aphid)	52.1
<i>Baumannia cicadellinicola</i>	<i>Homalodisca coagulata</i> (sharpshooter)	51.3
<i>Blochmannia floridanus</i>	<i>Camponotus floridanus</i> (ant)	51.9
<i>Carsonella ruddii</i>	<i>Anomoneura mori</i> (psyllid)	64.0
<i>Nardonella</i> sp.	<i>Metamasius hemipterus</i> (weevil)	60.4
<i>Portiera aleyrodidarum</i>	<i>Bemisia tabaci</i> (whitefly)	56.0
<i>Wigglesworthia glossinidia</i>	<i>Glossina morsitans</i> (tsetse fly)	51.5
Free living bacteria		
<i>Enterobacter aerogenes</i> ^a		45.1
<i>Erwinia carotovora</i> ^b		45.8
<i>Escherichia coli</i>		45.6
<i>Pseudomonas aeruginosa</i>		45.5
<i>Salmonella typhi</i>		45.6
<i>Serratia marcescens</i>		45.0
<i>Vibrio cholerae</i>		45.9

Accession numbers not indicated in Fig. 2: ^aAB004750; ^bZ96089.