Table S1. Bacterial strains used in this study.

Bacterial species/strain	Description	Fruorecent protein	Antibiotic resistance	Reference[d]
Symbiont (*Burkholderia insecticola*)				
Wild type				
RPE75	Rifampicin-resistant derivative of the type strain RPE64	none	Rif^R	Kikuchi et al., AEM 2011 (1)
RPE225	GFP-labelled symbiont	GFP[b]	Km^R, Cm^R	Kikuchi&Fukatsu Mol Ecol 2014 (2)
KT39	RFP-labelled symbiont	RFP[b]	Km^R	Itoh et al., PNAS, 2019 (3)
KT33[a]	GFP-labelled, Cm-susceptible symbiont	GFP[b]	Km^R	This study
RPE744[a]	RFP-labelled, Cm-resistant symbiont	RFP[c]	Cm^R	This study
Colonization-deficient mutants				
fliC ::Tn*5*	Flagella mutant; Reaches M3 but is blocked by CR	GFP[b]	Km^R, Cm^R	Ohbayashi et al. PNAS 2015 (4)
purL ::Tn*5*	Purine biosynthesis mutant; Poor crypt colonization	GFP[b]	Km^R, Cm^R	Kim et al., ISME J 2014 (5)
ΔwaaF	LPS biosynthesis mutant; Poor crypt colonization	GFP[b]	Km^R, Cm^R	Kim et al. JBC 2017 (6)
ΔphaB	PHA biosynthesis mutant; Poor crypt colonization	GFP[b]	Km^R, Cm^R	Kim et al. PNAS 2013 (7)
Non-symbiotic bacteria				
Burkholderia fungorum JCM21562	Colonizes crypts partially; Beneficial to the bean bug	GFP[b]	Km^R, Cm^R	Itoh et al., PNAS, 2019 (3)
Pandoraea norimbergenesis JCM10565	Colonizes crypts partially; Beneficial to the bean bug	GFP[b]	Km^R, Cm^R	Itoh et al., PNAS, 2019 (3)
Escherichia coli WM3064	Reaches M3 but is blocked by CR	GFP[b]	Km^R	This study
Cupriavidus taiwanensis DSM17343	Reaches M3 but is blocked by CR	GFP[b]	Km^R, Cm^R	Itoh et al., PNAS, 2019 (3)

[a]These strains were used in the experimental removal of crypt-colonizing symbionts by antibiotic treatment (Fig. 5).

[b]GFP/RFP was labelled by the Tn*7* minitransposon system.

[c]RFP was labelled with the RFP-encoding stable plasmid pIN29.

[d]references: (1) Kikuchi Y, Meng XY, Fukatsu T. Gut symbiotic bacteria of the genus *Burkholderia* in the broad-headed bugs *Riptortus clavatus* and *Leptocorisa chinensis* (Heteroptera: Alydidae). *Appl Environ Microbiol* 2005; **71**: 4035-4043; (2) Kikuchi Y, Fukatsu T. Live imaging of symbiosis: spatiotemporal infection dynamics of a GFP-labelled *Burkholderia* symbiont in the bean bug *Riptortus pedestris* . *Mol Ecol* 2014; **23**: 1445-1456; (3) Itoh H, Jang S, Takeshita K, Ohbayashi T, Ohnishi N, Meng XY *et al* . Host-symbiont specificity determined by microbe-microbe competition in an insect gut. *Proc Natl Acad Sci USA* 2019 ; **116**: 22673-22682; (4) Ohbayashi T, Takeshita K, Kitagawa W, Nikoh N, Koga R, Meng XY *et al* . Insect's intestinal organ for symbiont sorting. *Proc Natl Acad Sci USA* 2015; **112**: E5179-E5188; (5) Kim JK, Jang HA, Won YJ, Kikuchi Y, Heum Han S, Kim CH *et al* . Purine biosynthesis-deficient *Burkholderia* mutants are incapable of symbiotic accommodation in the stinkbug. *ISME J* 2014; **8**: 552-63; (6) Kim JK, Jang HA, Kim MS, Cho JH, Lee JB, Lorenzo FD *et al* . The lipopolysaccharide core oligosaccharide of *Burkholderia* plays a critical role in maintaining a proper gut symbiosis with the bean bug *Riptortus pedestris* . *J Biol Chem* 2017; **292**: 19226-19237; (7) Kim JK, Won YJ, Nikoh N, Nakayama H, Han SH, Kikuchi Y *et al* . Polyester synthesis genes associated with stress resistance are involved in an insect-bacterium symbiosis. *Proc Natl Acad Sci USA* . 2013; **110**: E2381-9.