



Pea aphids (upper left) harbor endosymbiotic bacteria in their body (upper right). While all insects possess the essential symbiont *Buchnera* (green), some insects are also infected with a facultative symbiont *Regiella* (red). In Japan, pea aphids mainly feed on vetch (lower left), but *Regiella*-infected pea aphids acquire the ability to live also on white clover (lower right).