Table S1 – Results of diversity indices used for beta-diversity comparison (Figure 1). Full dataset represents complete data parasitoid and caterpillar communities. Subsampled dataset of caterpillars represents subsampled caterpillars to the number of parasitoid individuals observed per site to probe the consequences of lower sample size in parasitoid communities.

Table S2. Food-web interaction dissimilarity and relationship with distance for parasitoid-caterpillar. and caterpillar-plant networks. Results represent a complete dataset. a dataset with common plants only. occupying more than four sites. and a dataset with only common caterpillar hosts (more than 50 individuals per caterpillar species) for suppressing the effect of rare species. WN - The overall dissimilarity between two sites; OS - the dissimilarity explained by “rewiring” among shared species; ST - the dissimilarity explained by the difference in species community composition (species turnover); ST.L – low interaction is missing. ST.H – high interaction is missing; ST.LH – whole interaction is missing (according to Novotny 2009).

Table S3 Summary of caterpillars and reared parasitoids for each host plant and locality.

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

## `summarise()` has grouped output by 'locality'. You can override using the  
## `.groups` argument.

## # A tibble: 120 × 6  
## locality PLANT\_sp `Caterpillar species` `Parasitoid species`  
## <chr> <chr> <int> <int>  
## 1 Elem Ficus conocephalifolia 10 12  
## 2 Elem Ficus copiosa 14 6  
## 3 Elem Ficus hahliana 10 6  
## 4 Elem Ficus pachyrrhachis 12 10  
## 5 Elem Ficus pungens 13 7  
## 6 Elem Macaranga aleuritoides 19 7  
## 7 Elem Macaranga cf. brachytric… 23 10  
## 8 Elem Macaranga hispida 15 4  
## 9 Elem Macaranga tsonane 19 1  
## 10 Elem Psychotria micrococca 10 3  
## # ℹ 110 more rows  
## # ℹ 2 more variables: `Caterpillar abundance` <int>,  
## # `Parasitoid abundance` <int>

Table S4 Summary of data and analysis from Ohu site sampled twice for revealing the community difference within one site.