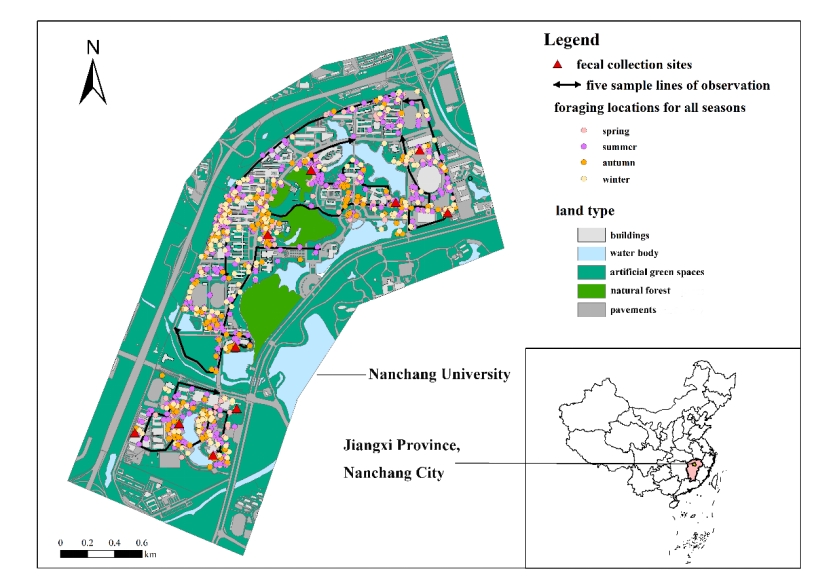
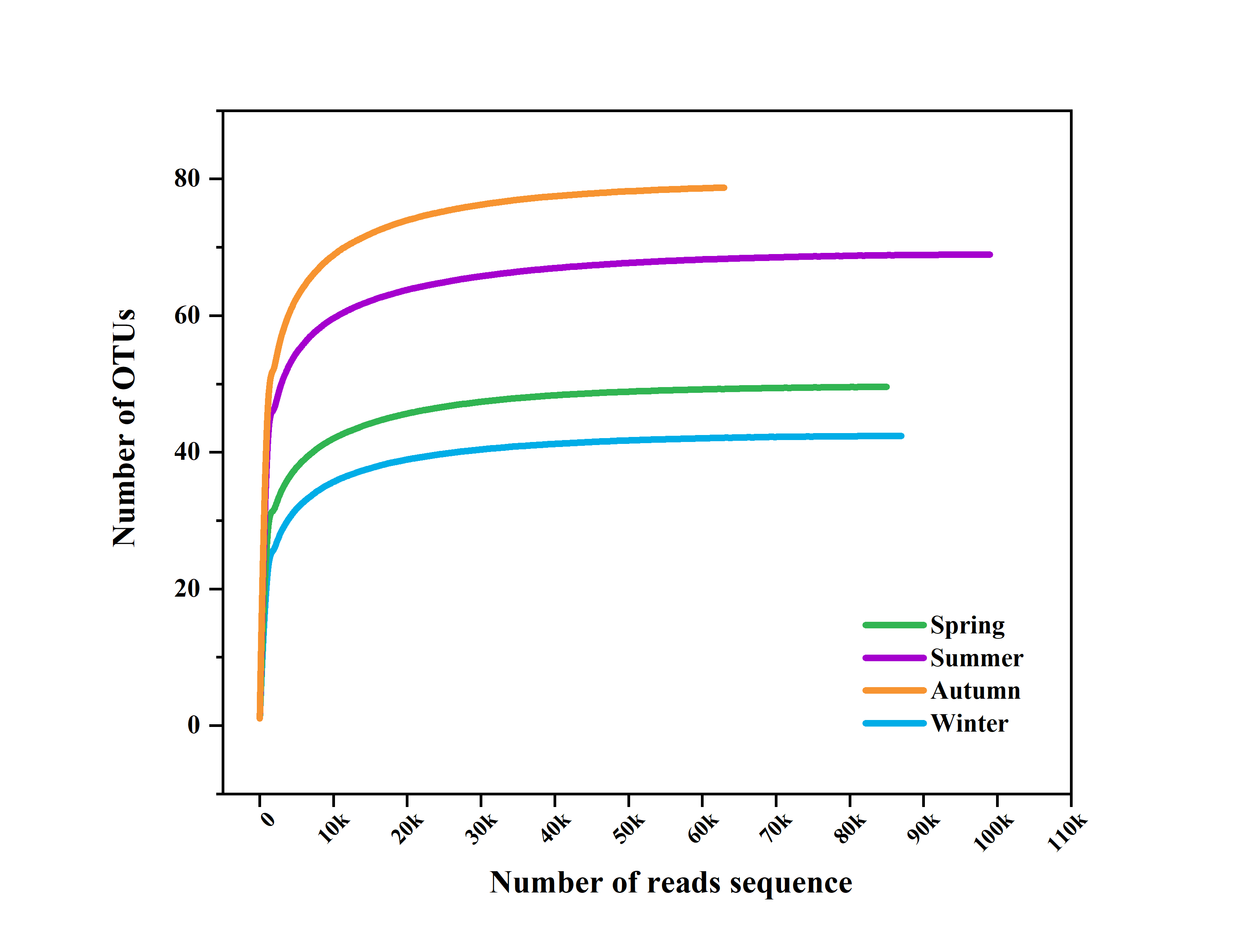
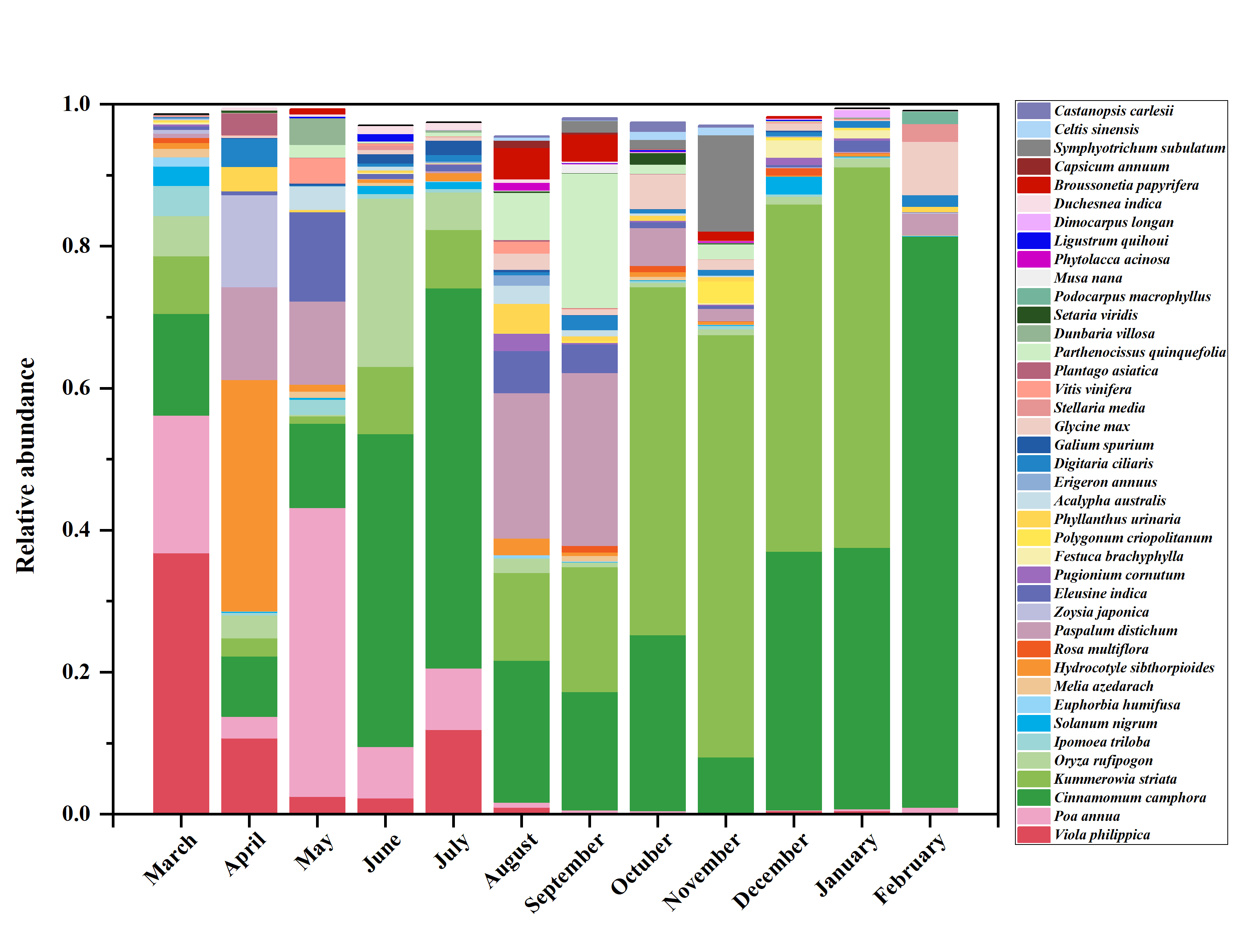
**Supplementary Materials**

**Figure S1** Fecal collection sites of the Nanchang University, Jiangxi Province, China. The vegetation sampling of four seasons were implemented from the locations of the foraging sites in the map.

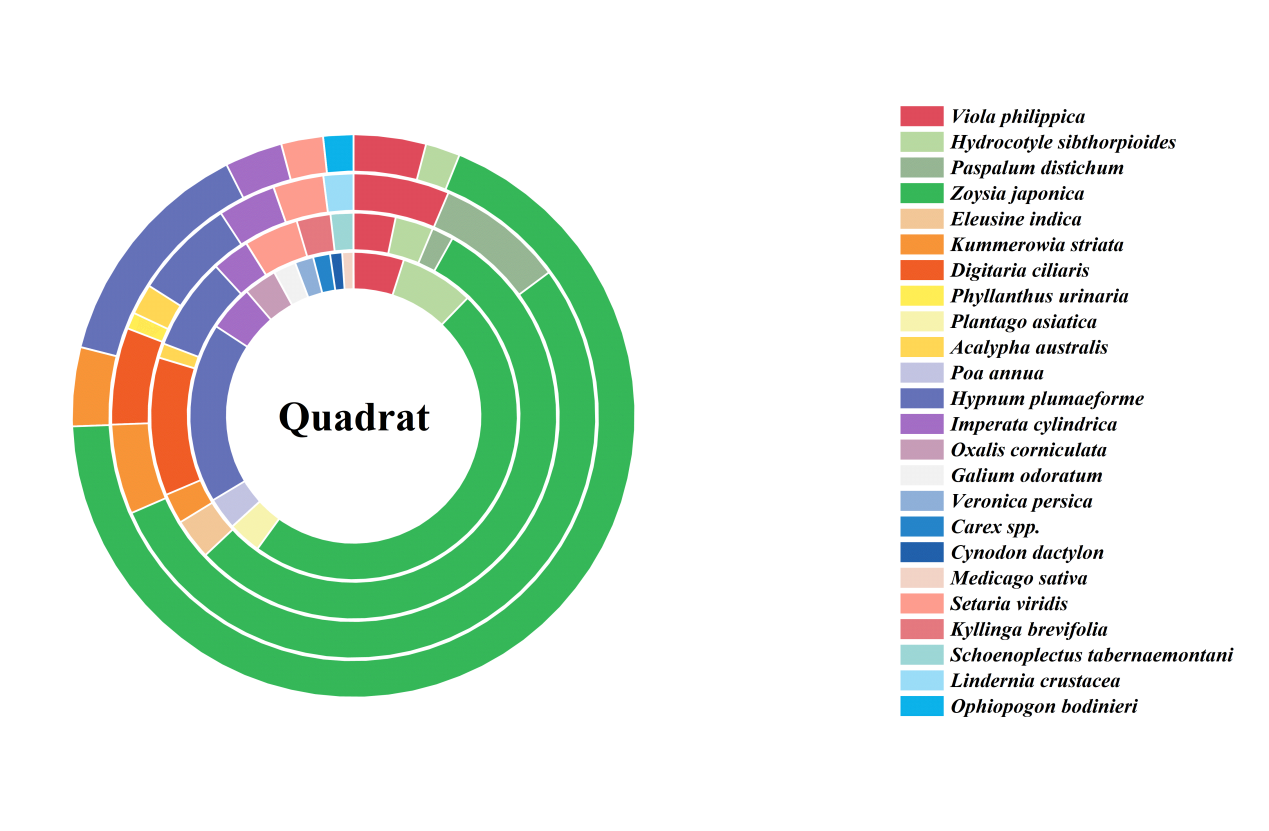


**Figure S2** Rarefaction curve for four season samples of Spotted doves in four seasons.



**Figure S3** Barplot showing the plant items (relative abundance > 1% ) in different months.

**Figure S4** Relative coverage of common plants in vegetation quadrats (relative coverage > 1%). The outermost ring indicates winter plants and the innermost ring indicates spring plants.



**Table S1** Schoener's niche overlap indices in quadrats. Overlap values closer to 1.0 indicate more similar diets and overlap values closer to 0.0 indicate less overlap.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Spring | Summer | Autumn | Winter |
| Spring | \* | \* | \* | \* |
| Summer | 0.651 | \* | \* | \* |
| Autumn | 0.617 | 0.813 | \* | \* |
| Winter | 0.708 | 0.748 | 0.742 | \* |