**Supplemental Information**

**Table S1. Proportions of chorological spectrum composition in paddy fields of different ages since abandonment (Ab, years) and in natural wetlands (NAT) in the lower Tumen River, northeast China.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Ab＜5** | **5＜Ab＜15** | **Ab＞15** | **NAT** |
| **Chorological spectrum** | **n** | **Percentage (%)** | **n** | **Percentage (%)** | **n** | **Percentage (%)** | **n** | **Percentage (%)** |
| Cosmopolitan | 4 | 6.45  | 2 | 4.88  | 2 | 5.88  | 2 | 5.41  |
| Holarctic | 14 | 22.58  | 12 | 29.27  | 9 | 26.47  | 10 | 27.03  |
| Palaearctic | 25 | 40.32  | 20 | 48.78  | 15 | 44.12  | 17 | 45.95  |
| Holarctic+Ori+Aus+Afro | 6 | 9.68  | 3 | 7.32  | 2 | 5.88  | 2 | 5.41  |
| Palaearctic+Ori+Aus+Afro | 13 | 20.97  | 4 | 9.76  | 6 | 17.65  | 6 | 16.22  |

Abbreviations: Ori = Oriental, Aus = Australian, Afro = Afrotropical.