**Table S1.** Relative abundances of insects (%) under organic and conventional farming (n = 20 fields for each farming system)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Taxon | Group | Stage | Feeding habitat | Conventional farming | Organic farming |
| Coleoptera |
|  *Harmonia octomaculata* | predator | adult | chewing | 13.1 | 4.5 |
|  *Hemipyxis nigricornis* |  | adult | chewing |  | 0.3 |
|  *Paropsis atomaria* |  | adult | chewing |  | 0.3 |
|  *Protaetia orientalis sakaii* |  | adult | chewing |  | 0.3 |
| Diptera |
|  *Musca domestica* |  | adult | sucking | 0.9 |  |
|  *Ptecticus aurifer* |  | adult | sucking |  | 0.3 |
|  *Sarcophaga* sp. |  | adult | sucking |  | 1.0 |
| Hemiptera |
|  *Cletus punctiger* | rice\_pest | adult | piercing | 15.1 | 7.3 |
|  *Eocanthecona furcellata* | predator | adult or nymph | piercing | 0.3 |  |
|  *Zicrona caerulea* | predator | nymph | piercing |  | 0.3 |
| Hymenoptera |
|  *Amegilla calceifera* |  | adult | chewing-sucking |  | 0.3 |
|  *Ampulex difficilis* | predator | adult | chewing-sucking |  | 0.3 |
|  Braconidae | parasitoid | adult | chewing-sucking | 0.9 | 3.1 |
| Lepidoptera |
|  *Ampittia dioscorides etura* |  | adult | siphoning | 0.6 |  |
|  *Celastrina lavendularis himilcon* |  | adult | siphoning | 0.6 |  |
|  *Eurema hecabe* |  | adult | siphoning | 3.0 | 4.8 |
|  *Herpetogramma luctuosalis* |  | adult | without feeding | 3.0 | 3.1 |
|  *Junonia almana* |  | adult | siphoning | 7.7 | 4.2 |
|  *Olene dudgeoni* |  | adult | without feeding | 0.6 |  |
|  *Paracymoriza cataclystalis* |  | adult | without feeding |  | 3.1 |
|  *Parnara bada* | rice\_pest | adult | siphoning | 6.2 | 8.3 |
|  *Pieris canidia* |  | adult | siphoning |  | 1.0 |
|  *Pieris rapae crucivora* |  | adult | siphoning | 0.9 |  |
|  *Spilarctia tienmushana werneri* |  | adult | without feeding | 1.8 | 4.2 |
| Odonata |
|  *Agriocnemis femina oryzae* |  | adult | chewing |  | 0.3 |
|  *Crocothemis servilia servilia* | predator | adult | chewing | 0.6 |  |
|  *Ischnura senegalensis* | predator | adult | chewing | 1.5 | 2.1 |
|  *Orthetrum sabina* | predator | adult | chewing | 15.7 | 16.3 |
|  *Pantala flavescens* | predator | adult | chewing | 1.8 | 9.3 |
| Orthoptera |
|  *Atractomorpha sinensis* |  | adult or nymph | chewing | 18.1 | 20.4 |
|  *Oxya chinensis* | rice\_pest | adult or nymph | chewing | 7.4 | 4.5 |
|  Tetrigidae |  | adult or nymph | chewing | 0.3 |  |

In the “Group” column, blank stands for other insects.