**Supplementary file 4. Effect of crop configuration and crop species on ground beetle community composition.** Results from pairwise permanova analyses for crop pairs pumkin-barley, cabbage-oat, and potato-grass in 2021 (a) and 2022 (b) in Wageningen. Values show F-values for the comparison between the crop configurations and crops in crossing rows and columns. Bold numbers indicate significant differences between combinations of crop configurations and crops (α = 0.05).

**Supplementary file 4a.** 2021

|  |  |  |
| --- | --- | --- |
| F-value | Pumpkin | Barley |
| Mono | Strip | Mono | Strip |
| Pumpkin | Mono |  |  |  |  |
| Strip | **3.64** |  |  |  |
| Barley | Mono | **10.39** | 1.40 |  |  |
| Strip | **5.82** | 1.21 | **4.23** |  |

|  |  |  |
| --- | --- | --- |
| F-value | Potato | Grass |
| Mono | Strip | Mono | Strip |
| Potato | Mono |  |  |  |  |
| Strip | **5.00** |  |  |  |
| Grass | Mono | 1.70 | 0.57 |  |  |
| Strip | **8.38** | 5.06 | 1.94 |  |

|  |  |  |
| --- | --- | --- |
| F-value | Cabbage | Oat |
| Mono | Strip | Mono | Strip |
| Cabbage | Mono |  |  |  |  |
| Strip | 1.47 |  |  |  |
| Oat | Mono | **2.08** | **3.52** |  |  |
| Strip | 2.06 | 2.07 | 2.92 |  |

**Supplementary file 4b.** 2022

|  |  |  |
| --- | --- | --- |
| F-value | Pumpkin | Barley |
| Mono | Strip | Mono | Strip |
| Pumpkin | Mono |  |  |  |  |
| Strip | 1.42 |  |  |  |
| Barley | Mono | **3.84** | **2.90** |  |  |
| Strip | 1.82 | 2.18 | 0.76 |  |

|  |  |  |
| --- | --- | --- |
| F-value | Potato | Grass |
| Mono | Strip | Mono | Strip |
| Potato | Mono |  |  |  |  |
| Strip | 1.42 |  |  |  |
| Grass | Mono | **7.14** | 3.26 |  |  |
| Strip | **4.01** | 3.24 | 3.58 |  |

|  |  |  |
| --- | --- | --- |
| F-value | Cabbage | Oat |
| Mono | Strip | Mono | Strip |
| Cabbage | Mono |  |  |  |  |
| Strip | **5.35** |  |  |  |
| Oat | Mono | **8.72** | **1.82** |  |  |
| Strip | 1.59 | 3.56 | **5.05** |  |