**Electronic supplementary material**

Paper titled: “***Simultaneous Measurements of Three-Dimensional Trajectories and Wingbeat Frequencies of Birds in the Field***”

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| Wingbeat frequency (Hz) |
| Rooks | Jackdaws |
| 2.9 | 4.8 |
| 2.6 | 4.7 |
| 2.8 | 5 |
| 4.9 | 2.9 |
| 3.0 | 2.8 |
| 5.5 | 5.3 |
| 2.8 | 5.6 |
| 2.9 | 4.6 |
|  | 2.6 |
|  | 3.0 |
|  | 4.9 |
|  | 4.7 |
| 3.4±0.4 | 4.2±0.3 |

Table S1. Wingbeat frequencies for 12 jackdaws and 8 rooks flying in mixed-species flocks. The birds’ species was manually identified on the basis of visible morphological characteristics. Each value is obtained by averaging over the flapping modes. The last column shows the mean values and standard errors of wingbeat frequencies for each species.