Supplementary material for

The value of transhumance for biodiversity conservation: vulture foraging in relation to livestock movements

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Table S1. GPS device settings and time elapsed between consecutive locations.

Table S2. Details of griffon vultures tagged and tracking.
**Table S1.** GPS device settings and time elapsed between consecutive locations. Devices were activated one hour before sunrise and turned off one hour after sunset. High-performance settings were active continuously except if we detected a low battery status for several days. We then activated the low-performance setting until the battery recovered normal status. During the study period, the time between consecutive locations ranged from 5 seconds to 14.9 h with a median of 5 min.

| Battery status         | Full  | Non-full | Close to security level | Under security level |
|------------------------|-------|----------|-------------------------|----------------------|
| Low-performance setting | 10 min| 30 min   | 1 h                     | 1 day                |
| High-performance setting| 5 min | 20 min   | 30 min                  | 1 day                |
Table S2. Details of griffon vultures tagged and tracking. The table shows fixes recorded during the period 2015-2018, the number of monitored months and the number of breeding years for each tagged individual.

| Individual | Sex  | No. fixes | No. months | No. breeding years |
|------------|------|-----------|------------|--------------------|
| L73        | Male | 35539     | 49         | 4                  |
| L8J        | Male | 5552      | 45         | 1                  |
| T00        | Female | 11043  | 49         | 4                  |
| T01        | Female | 10185  | 45         | 3                  |
| T02        | Male   | 14850    | 22         | 2                  |
| T03        | Male   | 6764     | 40         | 3                  |
| T05        | Male   | 49161    | 49         | 4                  |
| T06        | Male   | 8965     | 9          | 0                  |
| T07        | Male   | 3177     | 14         | 1                  |
| T08        | Female | 22062   | 47         | 4                  |
| T09        | Male   | 42442    | 49         | 4                  |
| T0A        | Male   | 20769    | 46         | 3                  |
| T0C        | Male   | 56490    | 49         | 3                  |
| T0H        | Male   | 31780    | 49         | 1                  |
| T0J        | Female | 37920   | 49         | 3                  |
| T0L        | Male   | 11991    | 9          | 0                  |
| T0U        | Female | 18603   | 25         | 2                  |
| T0V        | Male   | 5551     | 43         | 3                  |
| T0W        | Female | 9778    | 14         | 2                  |
| T0X        | Male   | 15831    | 22         | 2                  |
| T10        | Female | 6030    | 11         | 1                  |
| T11        | Male   | 21468    | 49         | 0                  |
| T12        | Male   | 8197     | 33         | 3                  |
| T14        | Male   | 6747     | 43         | 1                  |
| T15        | Female | 36000   | 49         | 3                  |
| T16        | Male   | 779      | 33         | 1                  |
| T17        | Male   | 22698    | 49         | 0                  |
| T19        | Female | 9471    | 23         | 2                  |
| T1C        | Female | 5751    | 32         | 3                  |
| T1J        | Female | 20640   | 49         | 3                  |