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Fig. 2

Fig. 3
Fig. 4

F. peregrinus

C. livia

F. tinnunculus

A. nisus

Fig. 4
Fig. 5

*Fig. 5*
$F.\ peregrinus$  $C.\ livia$  $F.\ tinnunculus$  $A.\ nisus$

Fig. 6
Fig. 7

E-Modulus of Primary 1, 5 and 10 in *F. peregrinus*

A

Primary 10

- *F. peregrinus*
- *C. livia*
- *F. tinnunculus*
- *A. nisus*

Tail feather

Alula

Section number
Fig. 8
Fig. 11
Fig. 12

Fig. 13
Table 1: Data of the evaluated feathers

In each species we investigated two males and two females. As in *F.peregrinus* sexual dimorphic differences in the weight were considerable therefore we plotted both sexes separately. For the wing we evaluated feathers of both body sides and for the tail we evaluated the two central feathers. If possible, mean and S.D. are given.

<table>
<thead>
<tr>
<th></th>
<th><em>F.peregrinus</em> males</th>
<th><em>F.peregrinus</em> females</th>
<th><em>C.livia</em></th>
<th><em>F.tinnunculus</em></th>
<th><em>A. nisus</em></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass (g) mean values (+S.D.)</td>
<td>567.5 (+24.7)</td>
<td>794 (+53.5)</td>
<td>482.5 (+4.61)</td>
<td>191.8 (+17.7)</td>
<td>200.2 (+4.8)</td>
</tr>
<tr>
<td>Length of the rachis (cm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary 10</td>
<td>20.7 (+0.28)</td>
<td>23.05 (+0.07)</td>
<td>14.65 (+0.12)</td>
<td>17.95 (+0.96)</td>
<td>8.94 (+0.13)</td>
</tr>
<tr>
<td>Tail feather</td>
<td>14.5 (+0.05)</td>
<td>16.6 (+0.08)</td>
<td>10.9 (+0.06)</td>
<td>16.06 (+0.35)</td>
<td>15.9 (+0.11)</td>
</tr>
<tr>
<td>Alula</td>
<td>7.75 (+0.06)</td>
<td>8.23 (+0.1)</td>
<td>5.03 (+0.06)</td>
<td>6.92 (+0.07)</td>
<td>7.45 (+0.33)</td>
</tr>
<tr>
<td>Length * body mass⁻¹ (mm g⁻¹)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary 10</td>
<td>0.36</td>
<td>0.29</td>
<td>0.30</td>
<td>0.94</td>
<td>0.45</td>
</tr>
<tr>
<td>Tail feather</td>
<td>0.26</td>
<td>0.23</td>
<td>0.23</td>
<td>0.84</td>
<td>0.79</td>
</tr>
<tr>
<td>Alula</td>
<td>0.14</td>
<td>0.10</td>
<td>0.10</td>
<td>0.36</td>
<td>0.37</td>
</tr>
</tbody>
</table>