|  |  |
| --- | --- |
| *A. melliferaa* | *B. impatiens* |
| Stage | Definition | Duration(hours) | Stage | Duration(hours)b |
| Pw |  White eyed |  30-42 | P0 | 0.1-4 |
| P1 |  5-8 |
| P2 | 10-16 |
| Pp |  Pink eyed |  18-30 | P3 | 10-23 |
| P4 |  6-9 |
| P5 | 9-11 |
| Pr |  Red-brown eyed | 6-18 | P6 | 8-17 |
| P7 |  21-28 |
|  Pd |  Dark-brown eyed |  36-48 | P8 |  12-19 |
|  Pdl |  Dark brown eyed,  light thorax  pigmentation |  12-24 | P9 |  10-14 |
|  P10 | 6-10 |
|  Pdm |  Dark brown eyed,  medium thorax  pigmentation |  30-42 |  P11 |  7-9 |
|  P12 | 8-13 |
|  Pdd |  Dark brown eyed,  dark thorax  pigmentation |  6-18 |  P13 |  6-9 |
|  P14 |  16-20 |
|  P15 |  12-17 |
|  P16 |  5-7 |

**Supplemental Table S2.** Comparison on pupal stages between *A. mellifera* and *B. impatiens* workers. a *A. mellifera* staging based onRembold, Kremer & Ulrich (1980); b Data is represented as 95% confidence interval for medium sized workers

**Rembold H, Kremer J-P, and Ulrich GM. 1980**. Characterization of postembryonic developmental stages of the female castes of the honey bee, *Apis mellifera* L. *Apidologie* **11**:29-38 DOI: doi.org/10.1051/apido:19800104.