

**Genetic diversity and population structure of *Polistes nimpha* (Hymenoptera: Vespidae)**  
**based on DNA microsatellite markers**

Insectes Sociaux

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Table S4

Descriptive statistics (mean  $\pm$  SD) of relatedness estimators based on method-of-moments approach (Queller and Goodnight 1989; Wang 2002) and maximum-likelihood (ML) estimator (Kalinowski et al. 2006) calculated within 10 clusters of individuals of *Polistes nimpha* obtained in a BAPS analysis (Bayesian Analysis of Population Structure).

| Relatedness  | Wang, 2002        | Queller and        | ML                 |
|--------------|-------------------|--------------------|--------------------|
| estimator    |                   | Goodnight, 1989    |                    |
| BAPS cluster | Mean $\pm$ SD     |                    |                    |
| 1            | 0.595 $\pm$ 0.199 | 0.511 $\pm$ 0.257  | 0.603 $\pm$ 0.1775 |
| 2            | 0.565 $\pm$ 0.253 | 0.511 $\pm$ 0.276  | 0.444 $\pm$ 0.292  |
| 3            | 0.429 $\pm$ 0.233 | 0.418 $\pm$ 0.225  | 0.337 $\pm$ 0.274  |
| 4            | 0.710 $\pm$ 0.192 | 0.6005 $\pm$ 0.244 | 0.644 $\pm$ 0.210  |
| 5            | 0.565 $\pm$ 0.185 | 0.430 $\pm$ 0.250  | 0.482 $\pm$ 0.231  |
| 6            | 0.690 $\pm$ 0.133 | 0.733 $\pm$ 0.106  | 0.713 $\pm$ 0.115  |

|    |                    |                   |                   |
|----|--------------------|-------------------|-------------------|
| 7  | $0.680 \pm 0.149$  | $0.715 \pm 0.123$ | $0.686 \pm 0.103$ |
| 8  | $0.934 \pm 0.074$  | $0.907 \pm 0.102$ | $0.877 \pm 0.136$ |
| 9  | $0.686 \pm 0.0725$ | $0.716 \pm 0.071$ | $0.745 \pm 0.062$ |
| 10 | $0.710 \pm 0.164$  | $0.746 \pm 0.135$ | $0.746 \pm 0.136$ |

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