

Supporting Information 2. Lin's concordance correlation coefficient assorted with their 95%CI. (Lin's coefficient for activity and exploration, Spearman's coefficient for food neophobia and gregariousness). The sample was divided in two groups: the larvae tested at more than 12 days (23 females and 24 males) and the larvae tested at less than 12 days (21 females and 28 males) prior to metamorphosis.

| | ≤ 12 days | > 12 days |
|----------------|--------------------|--------------------|
| Activity | 0.31 [0.04, 0.54] | 0.48 [0.29, 0.64] |
| Exploration | 0.16 [-0.08, 0.39] | 0.30 [0.02, 0.53] |
| Food neophobia | 0.06 [-0.21, 0.36] | 0.04 [-0.29, 0.37] |
| Gregariousness | 0.24 [-0.03, 0.52] | 0.09 [-0.22, 0.40] |

For all traits, the 95%CI overlap for the two groups of larvae. Therefore, there is no need to account for the distance to metamorphosis (see Table 2 in the manuscript).