**Table S1.** The measurement of different structures in posterior intestine collected from *P. olivaceus* during *E. tarda* infection at H0 (control), H2, H8 and H12 time-points.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | H0 | H2 | H8 | H12 |
| Structure | Range  | Mean | Range | Mean | Range  | Mean | Range  | Mean |
| MF | 93-940 | 677±323a | 50-514 | 296±159b | 250-600 | 480±159ab | 142-357 | 243±107ab |
| LP | 21-36 | 29±6a | 35-57 | 45±8b | 57-85 | 71±10c | 78-107 | 91±11d |
| ICM | 40-93 | 64±20a | 50-59 | 60±11a | 64-100 | 77±14a | 57-92 | 67±14a |
| OLM | 40-66 | 56±10a | 14-35 | 24±8bc | 21-50 | 38±13b  | 14-21 | 19±4c |

MF: height of mucosal folds; LP: thickness of lamina propria; ICM: thickness of inner circular muscular layer; OLM: thickness of outer longitudinal muscular layer. Data are presented in mean (µm) ± standard error of mean SEM from 24 collected samples. Structures in different samples were compared for morphological changes, the same superscript in lowercase letter within rows are not significantly different.