**Supplementary File 1. Total lamellocytes counts in lymph gland tissues from un-infected wandering 3rd instar larvae.**

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| **Genotypes** | **Total lamellocytes counts**  **(Mean ± SD) (n)** |
| *w1118* | 0.2±0.41 (15) |
| Orco1/Orco1 | 0.27±0.6 (15) |
| *Orco>/+* | 0.25±0.65 (12) |
| *Orco>Hid* | 0.083±0.29(12) |
| *Or42a>/+* | 0.25±0.62 (12) |
| *Or42a>Hid* | 0.41±1 (12) |
| *Or49a>/+* | 0.25±0.87 (12) |
| *Or49a>Hid* | 0.17±0.39 (12) |
| *Kurs6>/+* | 0.2±0.41 (15) |
| *Kurs6>Gad1RNAi* | 0.2±0.41 (15) |
| *dome-MESO-GFP >/+* | 0.11 ± 0.3 (28) |
| *dome-MESO-GFP>GABABR1RNAi* | 1.83 ± 1.75 (23) |
| *dome-MESO-GFP>GatRNAi* | 0.08 ± 0.29 (12) |
| *dome-MESO-GFP>Gat* | 3.5 ± 4.2 (31) |
| *dome-MESO-GFP>SsadhRNAi* | 0.25 ± 0.8 (16) |
| *dome-MESO-GFP>*α*KDHRNAi* | 0 (10) |
| *dome-MESO-GFP>skapRNAi* | 0.18 ± 0.4 (11) |
| *dome-MESO-GFP>SdhARNAi* | 1.1 ± 2.1(24) |
| *dome-MESO-GFP>HphRNAi* | 0.95± 2.1 (19) |
| *dome-MESO-GFP>Hph* | 1.7 ± 1.9 (10) |
| *dome-MESO-GFP>simaRNAi* | 0.15 ± 0.37 (13) |
| *dome-MESO-GFP>LdhRNAi* | 0.13 ± 0.35 (15) |
| *Hml>/+* (RF) | 0 (9) |
| *Hml>/+* (WOF) | 7 ± 5.4 (11) |
| *Hml>/+* (GF) | 4 ± 6.4 (26) |
| *Hml>/+* (SF) | 8.8 ± 11.1 (24) |

“n” represents number of *Drosophila* larval lymph gland lobes analysed. RF is regular food, GF is GABA supplemented food, SF is succinate supplemented food and WOF is wasp odor food. Rearing condition for all crosses unless mentioned was in regular food medium (see methods for details). Wherever not mentioned, the counts are non-significant (ns).