**Supplementary File 3. Lymph gland area quantifications.**

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| Genotype  | % areaMean ± SD(n) | Phenotype |
| *dome-MESO>GFP>/+**dome-MESO>GFP;>GatRNAi**dome-MESO>GFP;>SsadhRNAi* | 63.6 ± 11 (8)50 ± 5 (7)37 ± 11 (11) | Dome+ |
| *dome-MESO>GFP>/+**dome-MESO>GFP;>GatRNAi**dome-MESO>GFP;>SsadhRNAi* | 4 ± 5 (8)17 ± 4 (7) (\*\*\*p<0.0001)28 ± 10 (11) (\*\*\*p<0.0001) | Dome+Pxn+ |
| *dome-MESO>GFP>/+**dome-MESO>GFP;>GatRNAi**dome-MESO>GFP;>SsadhRNAi* | 32 ± 10 (8)33 ± 4 (7)36 ± 8 (11) | Pxn+ |
| *dome-MESO>GFP>/+* (RF)*dome-MESO>GFP>/+* (SF) | 20.6 ± 7.3 (15)19.6 ± 5 (11) | Pxn+  |
| *dome-MESO>GFP>/+**dome-MESO>GFP;>simaRNAi* | 66 ± 7.5 (6)45.6 ± 7 (15) | Dome+ |
| *dome-MESO>GFP>/+**dome-MESO>GFP;>simaRNAi* | 5 ± 3.5 (6)14.4 ± 7.6 (15) (\*\*p=.0089) | Dome+Pxn+ |
| *dome-MESO>GFP>/+**dome-MESO>GFP;>simaRNAi* | 29 ± 6.5 (6)40 ± 6.4 (15) | Pxn+ |
| *dome-MESO >GFP>/+* (RF)*dome-MESO >GFP>/+* (WOF) | 60 ± 6 (10)74 ± 7 (8) | Dome+ |
| *dome-MESO >GFP>/+* (RF)*dome-MESO >GFP/+* (WOF) | 40 ± 6 (10)27 ± 7 (8) | P1+ |

“n” represents number of *Drosophila* larval lymph glands lobes analysed. RF is regular food and SF is succinate food, 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 data is non-significant (ns).