



**Supplementary Fig. 5.** Summary plot for the relative expression of genes between *D. n. nasuta* (*D. n. n*) and *D. n. albomicans* (*D. n. a*). (A) Relative expression of genes in the ovarian transcriptomes between *D. n. n* and *D. n. a*. A Total of 11,282 genes were considered expressed, of which 392 were upregulated in *D. n. n* and 541 genes were downregulated in *D. n. n* in comparison to *D. n. a*. (B) Relative expression of genes in the testis transcriptomes between *D. n. n* and *D. n. a*. A Total of 11,437 genes were considered

expressed, of which 203 were upregulated in *D. n. n* and 214 genes were downregulated in *D. n. n* in comparison to *D. n. a*. Red points indicate significant differentially expressed genes and black points represent non-differentially expressed genes.