**Supplementary File 1. Volatile male-specific and male-enriched pheromones detected by GC-MS under control and experimental conditions. *a***

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| **Volatile Pheromone** | **ACV-only** | **HA+flies** | **ACV+flies** | **Fold Enriched** |
| cis-vaccenyl acetate (cVA) | N.D. ***b*** | N.D. | N.D. | **-** |
| 7-docosene (7-D) | N.D. | N.D. | N.D. | **-** |
| 5-tricosene (5-T) | N.D. | trace ***c*** | trace | **-** |
| 9-tricosene (9-T) | N.D. | 15.2 ± 3 .2 | 42.2 ± 14 | **2.8** |
| 2-methyldocosane (23-Br) | N.D. | N.D. | N.D. | **-** |
| 7-tricosene (7-T) ***d*** | N.D. | 158.6 ± 36 | 552.9 ± 225 | **3.5** |

***a* values normalized by internal standard (hexacosane n-C26)**

***b* N.D., not detected;**

***c* trace, not detected on TIC; detected only by characteristic ion (*m/z* 97)**

***d* male-enriched but not specific**