

**Supplementary Table S2. List of gene categories significantly overrepresented among differentially expressed genes in the genotype and social form comparisons**

Category†	Genotype comparison		Social form comparison		Genes on array
	Number of genes	Fold enrichment	Number of genes	Fold enrichment	
allergen	2	<b>35.8</b> p < 0.0014	1		17
mitochondrial	1		8	<b>2.3</b> p < 0.022	450
nucleic acid metabolism	1		2	0.4 p < 0.98	737
odorant binding	3	<b>38.0</b> p < 6.4e-5	0		24
prefoldin complex	0		3	<b>65.2</b> p < 8.6e-6	6
transferase	0		2	0.6	444
transposon	2	<b>6.1</b> p < 0.042	0		99
virus	0		6	<b>27.9</b> p < 5.7e-8	28
TOTAL	39		91		11864

Gene groups with 0 or 1 gene were not analyzed.

† Gene category as described in the supplementary text S1.