

Additional data file 4. GO terms which are under- or overrepresented in insect-specific orthologous groups lost in all Dipterans. Chi-Square Test without multiple testing correction. Significance levels are 0.05 (\*) and <0.01 (\*\*)

Level	GO id	GO description	lost	present	lost %	present %	under/over-represented	Significance
<b>Molecular Function:</b>								
	catalytic activity							
	3GO:0016491	oxidoreductase activity	16	449	11.9	4.2	over	**
<b>Biological Process:</b>								
	metabolism							
	4GO:0009058	biosynthesis	1	458	0.7	4.2	under	*
	4GO:0044238	primary metabolism	21	2592	15.7	24	under	*
	5GO:0006139	nucleobase, nucleoside, nucleot	4	848	3	7.9	under	*
<b>Cellular Component:</b>								
	intracellular							
	4GO:0005622	intracellular	11	1619	8.2	15	under	*