

Table S8. List of genes upregulated in *otd*; *Pph13* at less than 1 day old

Gene	GO description	Microarray data	
		Fold change	<i>P</i> -value
Defense			
<i>CG13422</i>	Defense to Gram negative bacteria	2.1	0.00011
<i>CG11652</i>	Phagocytosis/engulfment	2.53	0.00034
<i>CecA2</i>	Antibacterial humoral response	3.42	0.00108
<i>CG3638</i>	Phagocytosis/engulfment	2.43	0.00144
<i>Mtk</i>	Antibacterial humoral response	2.34	0.00404
Cytoskeletal			
<i>Ccp84Ab</i>	Structural constituent of chitin	4.27	0.00113
<i>Cpr50Cb</i>	Structural constituent of chitin	2.27	0.00533
<i>Cpr49Ac</i>	Structural constituent of chitin	2.49	0.00604
Enzyme with unknown biological function			
<i>GstE3</i>	Glutathione transferase activity	3.01	0.00049
<i>CG15369</i>	Cystine-type endopeptidase activity	2.06	0.00223
<i>CG31689</i>	ATPase activity coupled to transport	2.04	0.0096
Other			
<i>Arc1</i>	Nucleic acid binding	2.85	0.00039
<i>Yp3</i>	Embryonic development	2.81	8.00E-04
<i>lectin-28C</i>	Galactose binding	2.09	0.00187
<i>CG2177</i>	Metal ion transporter activity	2.51	0.00773
Unknown			
<i>CG5172</i>	Unknown	2.05	2.00E-04
<i>TwdlW</i>	Unknown	2.05	0.00089
<i>CG2685</i>	Unknown	2.01	0.00149
<i>CG15887</i>	Unknown	2.38	0.00152
<i>lcs</i>	Unknown	2.55	0.00184
<i>CG16898</i>	Unknown	3.33	0.00357
<i>CG16820</i>	Unknown	2.05	0.00424
<i>CG11300</i>	Unknown	3.05	0.0046
<i>CG5697</i>	Unknown	2.94	0.00581
<i>Neurochondrin</i>	Unknown	2.57	0.00866
<i>fit</i>	Unknown	2.43	0.0091