

Table S7. List of genes upregulated in *otd*; *Pph13* at 72 hours APF

Gene	GO description	Microarray data	
		Fold change	P-value
Defense			
<i>IM2</i>	Defense response	4.09	0
<i>IM1</i>	Defense response	3.89	2.00E-05
<i>CecB</i>	Antibacterial humoral response	2.75	6.00E-05
<i>CecC</i>	Antibacterial humoral response	3.07	7.00E-05
<i>CecA2</i>	Antibacterial humoral response	2.97	1.00E-04
<i>CG3638</i>	Phagocytosis/engulfment	2.69	1.00E-04
<i>IM3</i>	Antibacterial humoral response	3.56	0.00081
<i>Def</i>	Antibacterial humoral response	2.6	0.00091
<i>IM4</i>	Defense response	2.11	0.00246
Enzyme with unknown biological process			
<i>Cyp28d1</i>	Cytochrome P450	3.46	2.00E-05
<i>gfzf</i>	Glutathione binding	3.17	0.00013
<i>GstE6</i>	Glutathione transferase activity	2.94	0.00013
<i>CG16733</i>	Aryl sulfotransferase activity	2.16	0.00421
<i>CG3355</i>	Serine-type endopeptidase activity	2.3	0.0032
Cytoskeletal			
<i>Lcp65Ag1</i>	Structural constituent of chitin	2.36	0.00038
<i>Lcp65Ad</i>	Structural constituent of chitin	2.85	0.00083
<i>Lcp65Ag2</i>	Structural constituent of chitin	2.1	0.00083
<i>CG1259</i>	Structural constituent of chitin	2.49	0.00214
<i>Ccp84Ab</i>	Structural constituent of chitin	2.69	0.00241
<i>Cpr50Ca</i>	Structural constituent of chitin	2.59	0.00415
<i>CG8634</i>	Structural constituent of chitin	2.83	0.00621
<i>Edg84A</i>	Structural constituent of chitin	2.08	0.00767
Other			
<i>CG30375</i>	Proteolysis	7.25	0.00011
<i>RpL28</i>	Structural constituent of ribosome	4.05	0.00018
<i>CG4770</i>	Catalytic activity	2.47	0.00079
<i>CG2177</i>	Metal ion transporter activity	2.52	0.00318
<i>Cyp6a8</i>	Cytochrome P450	2.06	0.00347
<i>Caf1</i>	Chromatin silencing	2.3	0.00528
Unknown			
<i>CG16836</i>	Unknown	2.79	6.00E-05
<i>CG10200</i>	Unknown	3.17	0.00023
<i>CG11370</i>	Unknown	2.74	0.00025
<i>CG15213</i>	Unknown	2.35	0.00033
<i>Osi12</i>	Unknown	2.43	0.00038
<i>CG15065</i>	Unknown	2.35	0.00112
<i>CG11852</i>	Unknown	2.39	0.00258
<i>CG12003</i>	Unknown	3.34	0.00291
<i>CG15675</i>	Unknown	2.06	0.00302
<i>CG3709</i>	Unknown	2.2	0.00354
<i>CG11413</i>	Unknown	2.31	0.0057
<i>CG33299</i>	Unknown	2.26	0.00654
<i>CG7516</i>	Unknown	3.6	0.00735