Table S4. List of genes downregulated in otd; Pph13 at less than 1 day old

		Microarray data	
Gene	GO description	Fold change	<i>P</i> -value
Phototransduction			
Rh4	Opsin receptor	-7.52	0
<b>Gβ76C</b>	Gtpase activity	-6.27	0
Rh2	Opsin receptor	-4.2	0
ninaC	Protein kinase and motor activity	-3.7	0
Rh6	Opsin receptor	-7.59	1.00E-05
Arr2	Metarhodopsin binding	-3.45	1.00E-05
ninaE	Opsin receptor	-4.21	3.00E-05
īpn	Calcium ion binding	-2.67	3.00E-05
rpl	Calcium channel activity	-5.56	0.00012
:hp	Rhabdomere development	-3.22	0.00017
Gα49B	GTPase activity	-4.01	0.00031
Rh5	Opsin receptor	-3.4	0.00031
naF	Channel regulator activity	-2.31	0.00043
Arr1	Metarhodopsin binding	-2.11	0.00602
CG31006	Deactivation of rhodopsin signaling	-3.28	0.00872
Rh3*	Opsin receptor	-2.69	0.03478
Phagocytosis/defense			
G10233	Engulfment of apoptotic cell	-3.44	1.00E-05
M4	Defense response	-3.47	0.00024
CG16791	Phagocytosis, engulfment	-2.23	0.00089
TotC	Stress response	-4.73	0.00648
tructural component			
bug	Actin binding	-2.19	0.00749
Enzymes with unknown bi	iological process		
G8889	Hydrolase	-3.04	2.00E-05
CG14786	Oxidoreductase activity	-2.2	0.00323
CG9391	Inositol-1(or 4)-monophosphatase activity	-2.56	0.00339
CG12079	NADH dehydrogenase (ubiquinone) activity	-2.62	0.0039
CG16749	Serine-type endopeptidase activity	-2.99	0.00416
Cyp6a17	Cytochrome P450	-2.47	0.00492
YL-1	Histone acetyltransferase activity	-2.52	0.00732
CG3902	Electron carrier activity	-2.29	0.00935
Other	•		
Slob	Synaptic transmission	-2.83	0.00011
Ank2	Axon extension	-2.06	0.00088
Obp8a	Odorant binding protein	-3.86	0.00508
olexB	Axon guidance	-3.66 -2.1	0.00308
	, s.c gardance		2.00570
Jnknown	Unknown	2 VE	0.00044
	Unknown	–3.45 –2.86	0.00044
	UHKHOWH		0.00045
CG14748 msta pips2		2 07	
nsta PIP82	Unknown	-2.07 2.20	
msta PIP82 CG31036	Unknown Unknown	-3.29	0.00105
nsta PIP82 CG31036 CG12333	Unknown Unknown Unknown	−3.29 −3.09	0.00105 0.00125
nsta PIP82 EG31036 EG12333 EG18467	Unknown Unknown Unknown Unknown	-3.29 -3.09 -2.27	0.00105 0.00125 0.00153
nsta PIP82 EG31036 EG12333 EG18467 EG4000	Unknown Unknown Unknown Unknown Unknown	-3.29 -3.09 -2.27 -2.28	0.00105 0.00125 0.00153 0.00196
nsta PIP82 5G31036 5G12333 5G18467 5G4000 5G6750	Unknown Unknown Unknown Unknown Unknown Unknown	-3.29 -3.09 -2.27 -2.28 -2.76	0.00105 0.00125 0.00153 0.00196 0.0024
nsta PIP82 CG31036 CG12333 CG18467 CG4000 CG6750 DCRNA	Unknown Unknown Unknown Unknown Unknown Unknown Unknown	-3.29 -3.09 -2.27 -2.28 -2.76 -3.4	0.00105 0.00125 0.00153 0.00196 0.0024 0.00457
nsta PIP82 CG31036 CG12333 CG18467 CG4000 CG6750 ncRNA CG7607	Unknown Unknown Unknown Unknown Unknown Unknown Unknown Unknown	-3.29 -3.09 -2.27 -2.28 -2.76 -3.4 -2.03	0.00105 0.00125 0.00153 0.00196 0.0024 0.00457 0.00467
nsta PIP82 CG31036 CG12333 CG18467 CG4000 CG6750 ncRNA CG7607	Unknown	-3.29 -3.09 -2.27 -2.28 -2.76 -3.4 -2.03 -2.08	0.00105 0.00125 0.00153 0.00196 0.0024 0.00457 0.00467 0.00469
msta PIP82 CG31036 CG12333 CG18467 CG4000 CG6750 ncRNA CG7607 CG8343	Unknown	-3.29 -3.09 -2.27 -2.28 -2.76 -3.4 -2.03 -2.08 -2.81	0.00105 0.00125 0.00153 0.00196 0.0024 0.00457 0.00467 0.00469 0.00586
nsta PIP82 CG31036 CG12333 CG18467 CG4000 CG6750 ncRNA CG7607 CG8343 CG4660	Unknown	-3.29 -3.09 -2.27 -2.28 -2.76 -3.4 -2.03 -2.08 -2.81 -2.06	0.00105 0.00125 0.00153 0.00196 0.0024 0.00457 0.00467 0.00469 0.00586
nsta PIP82 GG10333 GG18467 GG4000 GG6750 GCRNA GG7607 GG8343 GG4660	Unknown	-3.29 -3.09 -2.27 -2.28 -2.76 -3.4 -2.03 -2.08 -2.81	0.00055 0.00105 0.00125 0.00153 0.00196 0.0024 0.00457 0.00467 0.00469 0.00586 0.00761 0.00767