

Table S2. List of genes downregulated in *Pph13* at less than 1 day old

Gene	GO description	Microarray data	
		Fold change	P-value
Phototransduction			
<i>Rh6</i>	Opsin receptor	-4.94	0.00001
<i>Trpl</i>	Calcium channel activity	-6.51	0.00003
<i>Rh2</i>	Opsin receptor	-5.13	3.00E-05
<i>Arr1</i>	Metarhodopsin binding	-3.25	7.00E-05
<i>trp</i>	Calcium channel activity	-2.75	0.00015
<i>Gβ76C</i>	GTPase activity	-4.12	0.00021
<i>RdgA</i>	Diacylglycerol binding	-2.55	0.00452
Defense			
<i>AttC</i>	Antibacterial humoral response	-5.08	0.00002
<i>Def</i>	Antibacterial humoral response	-2.03	0.00172
<i>Sr-CI</i>	Polysaccharide binding	-2.65	0.00028
Structural component			
<i>Ank2</i>	Cytoskeletal protein binding	-2.21	0.00018
<i>Ccp84Ag</i>	Structural constituent of chitin	-2.31	0.00216
<i>Cpr76Bc</i>	Structural constituent of chitin	-2.79	0.00413
Enzyme with unknown function			
<i>CG8889</i>	Hydrolase activity	-2.64	0.00029
<i>CG42366</i>	Protein kinase activity	-2.33	0.00055
<i>CG30090</i>	Serine-type endopeptidase activity	-3.7	0.00328
Other			
<i>CG2650</i>	Circadian rhythm	-3.56	5.00E-05
<i>CG30080</i>	Transcription factor activity	-2.42	0.0036
<i>Or65A</i>	Odorant receptor	-3.1	0.00467
<i>CG31700</i>	DNA binding activity	-6.31	0.00539
Unknown			
<i>CG12998</i>	Unknown	-2.22	0.00051
<i>CG32494</i>	Unknown	-3.57	0.00224
<i>CG42367</i>	Unknown	-2.63	0.00237
<i>CG42330</i>	Unknown	-10.75	0.00329
<i>CG15282</i>	Unknown	-2.22	0.00499
<i>CG14416</i>	Unknown	-3.16	0.00563
<i>CG32266</i>	Unknown	-2.69	0.00968