

Additional file 2 – Summary of t-test results for the examination of the effect of sex on opsin gene expression

	<i>M. auratus</i>			<i>P. taeniolatus</i>		
	t	df	p	t	df	p
<i>SWS1</i>	1.536	8	0.1630	0.549	8	0.5983
<i>SWS2b</i>	1.929	8	0.0898	0.316	8	0.7600
<i>SWS2a</i>	1.132	8	0.2904	-1.306	8	0.2278
<i>RH2a</i>	-3.845	8	0.0049	-0.646	8	0.5362
<i>RH2b</i>	6.756	8	0.0001	1.404	8	0.1980
<i>LWS</i>	0.850	8	0.4200	0.819	8	0.4363

Values in bold indicate significant sex differences in expression. An experiment-wise error rate of 5% was corrected to 0.83% ($\alpha = 0.05/6 = 0.0083$) following Bonferroni correction for 6 hypothesis tests that correspond to 6 opsin genes (*RH2a* α and *RH2a* β were pooled because of genetic and functional similarity).