

Table S1. *ed* and *fred* are required in R1, R6, R7 and the cone cells for correct ommatidial rotation

	<i>ed</i> MAO	<i>P</i>	<i>ed</i> s.d.	<i>P</i>	<i>fred</i> MAO	<i>P</i>	<i>fred</i> s.d.	<i>P</i>
R1/R6/R7 mut	68.8	0.29	76.1	5×10^{-6}	86.1	0.60	22.3	2×10^{-15}
R1/R6/R7 wt	83.2		33.6		87.6		9.2	
R2/R5 mut	67.6	0.90	59.8	0.26	89.2	0.59	8.7	2×10^{-12}
R2/R5 wt	69.1		50.4		88.1		19.2	
R3/R4 mut	45.1	0.13	60.8	0.07	87.8	0.68	9.6	3×10^{-10}
R3/R4 wt	73.4		46.3		86.8		20.7	
cc mut	83	0.65	30	5×10^{-17}	92.25	0.79	17.8	3×10^{-9}
cc wt	90.12		2.35		91.01		2.52	

Mut, mutant; wt, wild type; cc, cone cell.