



Pre

Post

Genotype	Position of Activation Region	Time of measurement	Anisotropy angle		P value	Anisotropy magnitude		P value
			Average (deg)	Standard Deviation (+/-)		Average (AU)	Standard Deviation	
Wildtype	Dorsal	Pre-activation	45.0	25.4	0.1372	0.14	0.08	0.396
		Post-activation	42.9	26.5		0.14	0.07	
Wildtype	Ventral	Pre-activation	46.1	27.1	< 2.2E-16	0.13	0.07	< 2.2E-16
		Post-activation	18.1	18.8		0.24	0.11	
<i>dorsal</i>	Ventral	Pre-activation	49.9	25.4	0.01	0.12	0.07	0.311
		Post-activation	45.8	27.0		0.12	0.17	
<i>twist</i>	Ventral	Pre-activation	46.2	25.4	1.1E-09	0.14	0.07	0.02
		Post-activation	33.2	24.1		0.15	0.08	
RhoGEF2 (RNAi)	Ventral	Pre-activation	44.9	24.9	6.6E-10	0.17	0.10	3E-06
		Post-activation	35.3	25.2		0.21	0.12	
RhoGEF2 (RNAi)	Dorsal	Pre-activation	40.9	25.1	4.1E-09	0.15	0.08	0.149
		Post-activation	32.9	24.9		0.15	0.09	
Wildtype Square region	Ventral	Pre-activation	47.2	25.5	2.5E-13	0.12	0.06	5.4E-12
		Post-activation	31.5	25.6		0.18	0.09	