

Table S3. Temperature sensitivity of AIY primary neurite outgrowth defects (“short stop”)

During the course of these studies, we observed that AIY primary neurite outgrowth was temperature sensitive. The table below illustrates the temperature sensitivity of *efn-4* axon outgrowth defects. The z-test was used to determine statistical significance between assay temperatures, i.e. *mgIs18 otIs76* assayed at 20°C was statistically compared to *mgIs18 otIs76* assayed at 25°C, etc. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

Strain	% Short stop	Total animals scored
wt background		
<i>mgIs18 efn-4(bx80)</i> @15°C	23.1	78
<i>mgIs18 efn-4(bx80)</i> @20°C	33.8	77
<i>mgIs18 efn-4(bx80)</i> @25°C	32.0	75
<i>mgIs18 efn-4(e1746ts)</i> @15°C	17.9	78
<i>mgIs18 efn-4(e1746ts)</i> @ 20°C	21.3	75
<i>mgIs18 efn-4(e1746ts)</i> @ 25°C	38.5 (* cf. 20°C)	78
<i>kal-1(gf)</i> background		
<i>mgIs18 otIs76</i> @15°C	0.0	76
<i>mgIs18 otIs76</i> @20°C	1.3	77
<i>mgIs18 otIs76</i> @25°C	9.1 (* cf. 20°C)	77
<i>mgIs18 otIs76 efn-4(bx80)</i> (@ 15°C)	35.1	77
<i>mgIs18 otIs76 efn-4(bx80)</i> (@ 20°C)	26.0	77
<i>mgIs18 otIs76 efn-4(bx80)</i> (@ 25°C)	40.5	79
<i>mgIs18 otIs76 efn-4(e1746ts)</i> @15°C	29.5	78
<i>mgIs18 otIs76 efn-4(e1746ts)</i> @ 20°C	19.8	81
<i>mgIs18 otIs76 efn-4(e1746ts)</i> @ 25°C	45.3 (***) cf. 20°C)	75
<i>mgIs18 otIs76 efn-4(e36)</i> (@15°C)	47.4	78
<i>mgIs18 otIs76 efn-4(e36)</i> (@20°C)	19.0 (***) cf. 15°C)	79
<i>mgIs18 otIs76 efn-4(e36)</i> (@25°C)	32.5	77