

Table 1. Number and size of synapses and active zone dense bars of axons 1 and 2 in serial sections of larval abdominal muscles 6 and 7

	Axon 1			Axon 2		
	Control	<i>dnc<sup>M14</sup></i>	<i>rut<sup>1</sup></i>	Control	<i>dnc<sup>M14</sup></i>	<i>rut<sup>1</sup></i>
Terminal length sectioned ( $\mu\text{m}$ )	27.28	23.75	18.88	44.49	16.80	12.76
Synapse						
Total number	171	147	49	137	44	15
Number/ $\mu\text{m}$ of terminal	6.3	6.2	2.6	3.1	2.6	1.2
Mean size $\pm$ SD ( $\mu\text{m}^2$ )	0.315 $\pm$ 0.183	0.335 $\pm$ 0.218	1.000 $\pm$ 0.854	0.295 $\pm$ 0.187	0.489 $\pm$ 0.385	0.469 $\pm$ 0.302
Range ( $\mu\text{m}^2$ )	0.034–0.778	0.062–1.210	0.099–3.588	0.400–0.813	0.012–1.629	0.124–1.310
Area/ $\mu\text{m}$ of terminal ( $\mu\text{m}^2$ )	1.975	2.077	2.596	0.909	1.280	0.551
Dense bars						
Total number	167	162	110	134	62	24
Number/synapse	0.976	1.080	2.240	0.978	1.409	1.600
Number/ $\mu\text{m}$ of terminal	6.1	6.7	5.8	3.0	3.7	1.9
Mean length $\pm$ SD ( $\mu\text{m}$ )	0.175 $\pm$ 0.065	0.187 $\pm$ 0.064	0.201 $\pm$ 0.073	0.160 $\pm$ 0.069	0.181 $\pm$ 0.079	0.153 $\pm$ 0.049
Range ( $\mu\text{m}$ )	0.070–0.370	0.070–0.445	0.070–0.390	0.070–0.276	0.050–0.550	0.075–0.255
Length/ $\mu\text{m}$ of terminal ( $\mu\text{m}$ )	1.073	1.270	1.173	0.482	0.668	0.287
% of synapses with						
0 dense bars	18	13	2	23	7	0
1 dense bars	66	65	43	59	57	60
2 dense bars	14	20	19	14	25	27
3 or more dense bars	2	2	36	4	11	13