

Table 1. *ttx-4* mutants are defective in thermotaxis behavior

Strain	Fraction				Total number of animals
	20C	17C	17/25C	25C	
Wild type	80	20	13	7	120
<i>ttx-4(nj1)</i>	3	0	0	151	154
<i>ttx-4(nj3)</i>	5	1	0	74	80
<i>ttx-4(nj4)</i>	22	10	0	88	120

Animals were cultivated at 20°C. One animal was assayed per thermotaxis plate. The evaluation is shown in Materials and methods. Statistical analysis by a chi-squared test using 2 × 4 contingency table was performed in comparison between wild type strain and each of *ttx-4* strains. Each of *ttx-4* strains was different from wild type strain for thermotaxis ($p < 0.005$).

Table 2. *ttx-4* mutants are defective in chemotaxis to NaCl

Strain	Fraction			Total number of animals
	Normal	Partially defective	Defective	
Wild type	78	25	7	110
<i>ttx-4(nj1)</i>	4	35	124	163
<i>ttx-4(nj3)</i>	19	31	63	113
<i>ttx-4(nj4)</i>	38	34	28	100

Animals were cultivated at 20°C. One animal was assayed per chemotaxis plate. The evaluation is shown in Materials and methods. Statistical analysis by a chi-squared test using 2 × 3 contingency table was performed in comparison between wild type strain and each of *ttx-4* strains. Each of *ttx-4* strains was different from wild type strain for chemotaxis to NaCl ($p < 0.005$).