

Additional File 11. Table on the statistical results for the comparison of the N2 and CB4856 leaving behavior with that of the mutant strains towards *P. aeruginosa* and *E. coli*

Comparison ¹	Bacteria	14 h ¹		24 h ¹		48 h ¹	
		χ^2	<i>p</i>	χ^2	<i>p</i>	χ^2	<i>p</i>
N2 vs. <i>npr-1(ur89)</i>	PA14	10.664	0.0011	14.972	0.0001	14.961	0.0001
	OP50	1.466	0.226	0.285	0.5933	0.006	0.9367
N2 vs. <i>npr-1(ad609)</i>	PA14	12.695	0.0004	15.212	<0.0001	14.961	0.0001
	OP50	7.410	0.0065	4.962	0.0259	0.777	0.3781
N2 vs. <i>tyra-3(ok325)</i>	PA14	1.328	0.2490	0.359	0.5488	6.899	0.0086
	OP50	1.064	0.3022	2.924	0.0873	0.147	0.7009
N2 vs. CB4856	PA14	8.389	0.0038	15.212	<0.0001	13.096	0.0003
	OP50	2.031	0.1541	2.716	0.0993	1.587	0.2078
CB4856 vs. <i>npr-1(ur89)</i>	PA14	1.5598	0.2117	0.7917	0.3736	0.8517	0.3561
	OP50	0.2042	0.6514	2.8469	0.0915	1.1179	0.2904
CB4856 vs. <i>npr-1(ad609)</i>	PA14	3.8747	0.049	0	1	11.4147	0.0007
	OP50	2.5695	0.1089	0.5891	0.4427	0.0967	0.7559
CB4856 vs. <i>tyra-3(ok325)</i>	PA14	14.145	0.0002	15.397	<0.0001	7.949	0.0048
	OP50	0.175	0.6757	0.072	0.787	1.591	0.2071

¹ The analysis was performed separately for the pairwise comparisons, bacteria, and the three time points. The difference between *C. elegans* strains was assessed with the Kruskal Wallis test. The bacteria included the nematocidal *P. aeruginosa* PA14 and the control *E. coli* OP50. DF = 1 for all tests. Significant probabilities are given in bold. Significance level was adjusted using Bonferroni correction for multiple pairwise comparisons.