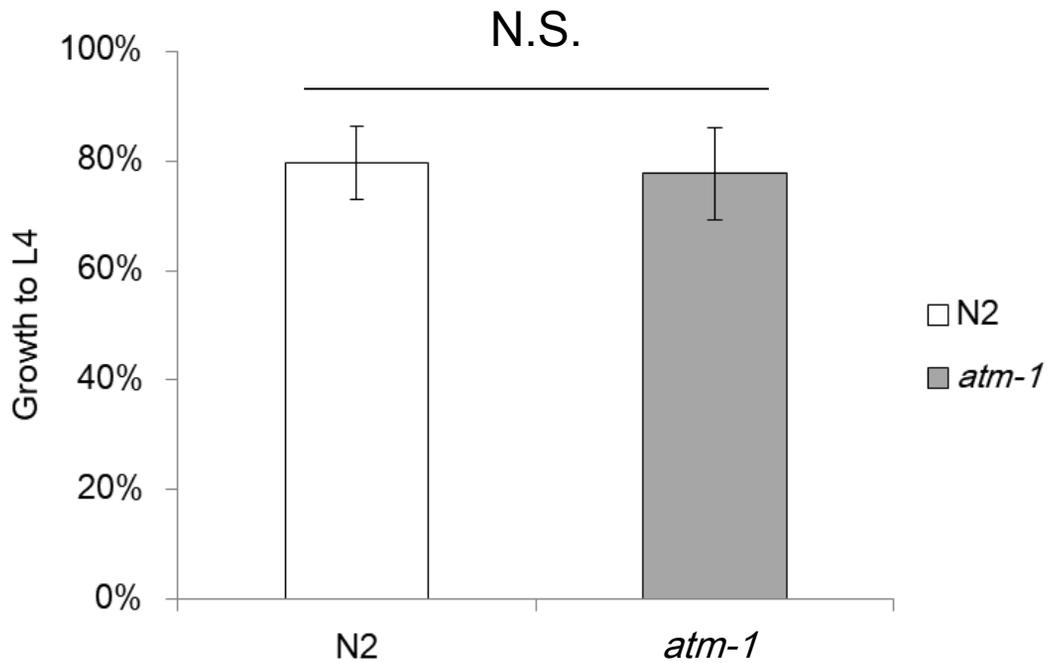
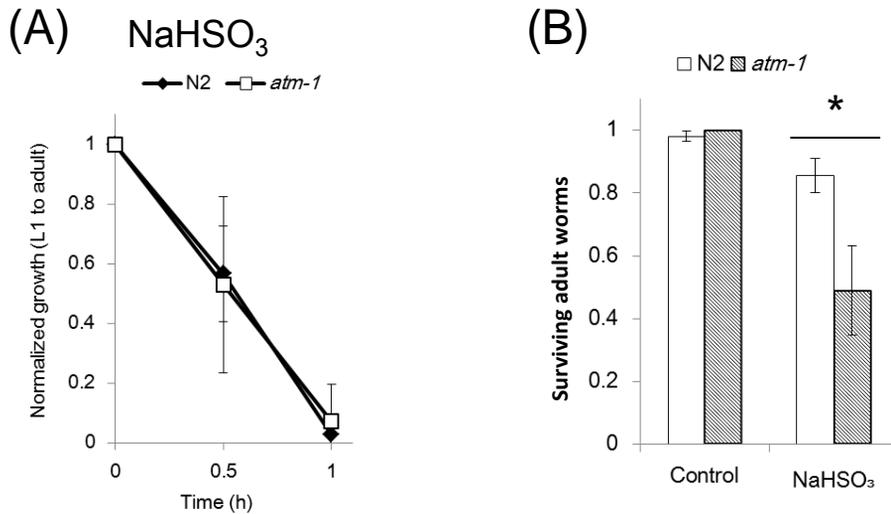


<i>atm-1</i> (External)	Forward	5'-CGGAAAAACGATGTACCGATGGCCA-3'
	Reverse	5'-AGGGACCTGCGTCTCTCTTCGCCAC-3'
<i>atm-1</i> (Internal)	Forward	5'-CGGAAAAACGATGTACCGATGGCCA-3'
	Reverse	5'-CCGAAGCATCGCCTTCTCCAACATA-3'

Supplementary Table. The primers used in this study. These primers were used for the verification of the *atm-1(tm5027)* deletion allele.



Supplementary Figure S1. Percent growth of *atm-1(tm5027)* worms. The percent growth (L1 to L4). Data represent the mean \pm S.D. from five independent experiments. N.S. means not significantly different (p -value \geq 0.05 by Student's t -test).



Supplementary Figure S2. Drug resistance assay for NaHSO₃. (A) Synchronized L1 larvae of N2 (◆) and *atm-1(tm5027)* (□) were treated with 50 mM NaHSO₃ at 20°C. After treatments, worms were cultured for 4 days and we calculated the ratio of adult worms / transferred L1 worms. (B) Synchronized adult N2 (white bars) and *atm-1(tm5027)* (gray bars) worms were treated with 105 mM NaHSO₃ for 1 hour at 20°C. 24 hours later, the percent survival was calculated. All data are mean ± SD and * means significantly different by the Student's *t*-test ($p < 0.05$).