

Supplementary Materials:

Table S1. List of primers in this study.

Primers	Sequence (5'-3')	Description
<i>Amt43</i> -5F	GTAACGCCAGGGTTTTCCAGTCACGACGCTCGTTAGGACCAGCACTATGT	<i>AoAmt43</i> 5' flank
<i>Amt43</i> -5R	ATCCACTTAACGTTACTGAAATCTCCAACACCAACCATCAAGGCGTAGG	
<i>Amt43</i> -3F	CTCCTTCAATATCATCTTCTGTCTCCGACTCACTGTCACCTGTCTCATTCT	<i>AoAmt43</i> 3' flank
<i>Amt43</i> -3R	GCGGATAACAATTTACACAGGAAACAGCCGAACACGAGCACATACATAGA	
<i>Hph</i> -F	GTCGGAGACAGAAGATGATATTGAAGGAGC	HPH
<i>Hph</i> -R	GTTGGAGATTTCAGTAACGTTAAGTGGAT	
<i>Amt43ko</i> _F	CTCGGGACAATCTTCCTCTG	Probe of Southern blot
<i>Amt43ko</i> _R	CGTATGCGAGGATAGCAACA	
<i>Amt43P</i> -F	GCTCTCCGTAAGGATGCTTCGCAGGTATCGCGCATATAC	Promoter
<i>Amt43P</i> -R	CTCCTCGCCCTTGCTCACCATAGTTAGGTATAAGTCGGTGAC	
<i>Amt43</i> -F	GTCACCGACTTATACCTAACTATGTCGGCTGAAGAGCCAAT	<i>Amt43</i>
<i>Amt43</i> -R	CCTCGCCCTTGCTCACCATCTACGGTTTCGTTCTACCTGA	
<i>Amt43T</i> -F	TCACGGCATGGACGAGCTGTACAAGTAAAATGATCGTCTTCTGCTTTGG	terminator
<i>Amt43T</i> -R	ATCCCCGGGCTGCAGGAATTCCTGTATCTTGCAGAATGG	
<i>Amt43</i> Nat-F	TTGGAGCCGAAATCCGCATGGACATGGAGGCCCAAGATAC	Norsmectin fragment
<i>Amt43</i> Nat-R	AAGTCCGGCACCTCGTGCAGTATAGCGACCAGCATTC	

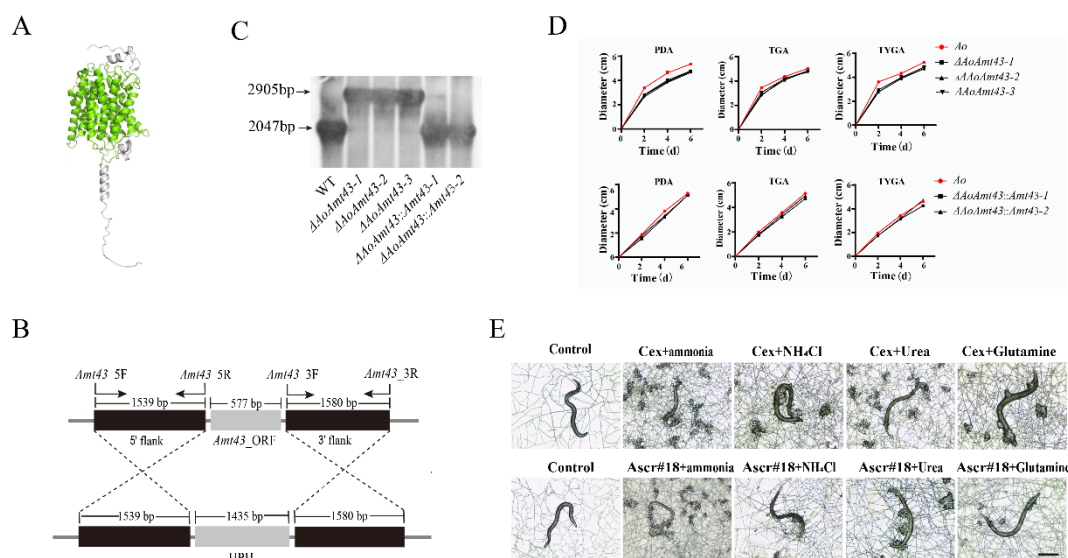


Figure S1. Protein structure analysis of Amt43 and its knockout. (A) Protein structure of Amt43; (B) Amt43 knockout programme. (C) Southern blot validation of Δ *AoAmt43* and Δ *AoAmt43::Amt43*. (D) Mycelial growth in the WT, Δ *AoAmt43* and Δ *AoAmt43::Amt43* on PDA, TGA, or TYGA media for 6 days. (E) Comparison of nematode pathogenicity of traps induced by nematode extracts and nitrogen signalling mixtures against nematodes, and comparison of nematode pathogenicity of traps induced by Ascr#18 and nitrogen signalling mixtures against nematodes (Bar=100 μ m).