

**Cinnamaldehyde causes developmental neurotoxicity in zebrafish via the oxidative stress
pathway that is rescued by astaxanthin**

Supplementary Information

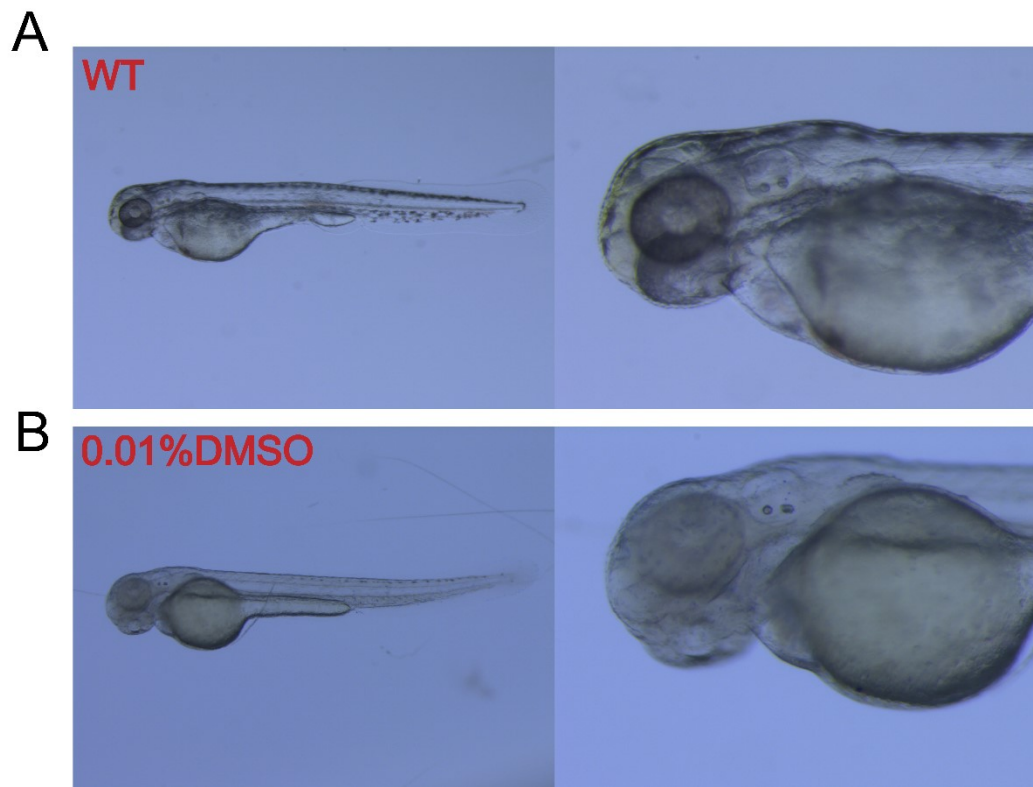


Fig. S1. Morphology of zebrafish. A, Zebrafish morphology without any treatment. B, Zebrafish morphology treated with 0.01% DMSO.

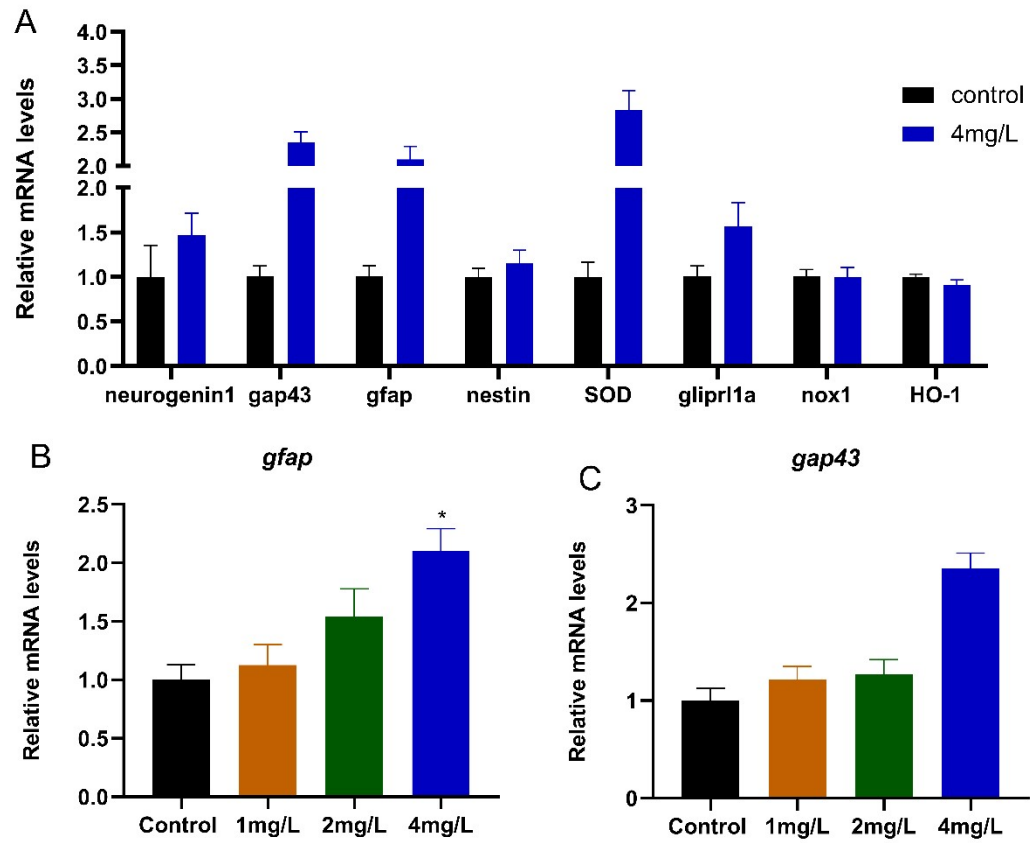


Fig. S2. Quantitative analysis of neurodevelopmental and oxidative stress-related genes (*GAPDH* was used for normalization). A, Replicate the experiment for all meaningful groups. B, Quantification of *gfap*, *gap43*. (n=50,) (* $P < 0.05$, mean $\pm$ S.D.).

Table S1 Primers for RT-PCR

Gene name	Sequences of the primer (5 – 3')	Sequences of the primer (5' – 3')
<i>gap43</i>	F: TGCTGCATCAGAAGAACTAA	R: CCTCCGGTTTGATTCCATC
<i>gfap</i>	F: GGATGCAGCCAATCGTAAT	R: TTCCAGGTCACAGGTCAG
<i>neurogenin1</i>	F: TGCACAACCTTAACGACGCATTGG	R: TGCCCAGATGTAGTTGTGAGCGAA
<i>nestin</i>	F: ATGCTGGAGAAACATGCCATGCAG	R: AGGGTGTTTACTTGGGCCTGAAA
<i>nox1</i>	F: CGGCCGAACTGGGATAAAGA	R: TGCAGCACAGTCTGTATTGTGA
<i>glipr1a</i>	F: ACACTCAGGTTGTTTGGGCA	R: ATCTCGGTCGGTGTTCGAC
<i>SOD</i>	F: TCAATCAAGAGGGTGAAAAGAAGCC	R: TGACAAAGTTAGCATTGCATCCTCG
<i>HO-1</i>	F: CACGCTTACACCCGCTACCT	R: ATGCTGCTTCATTTCCTTTATCAC
<i>β-actin</i>	F: GGCTTCTGCTCTGTATGG	R: AACGCTTCTGGAATGACTAA
<i>GAPDH</i>	F: CCACCCATGGAAAGTACAAG	R: CTCTCTTTGCACCACCCTTA