

Neurotoxicity of Combined Exposure to the Heavy Metals (Pb and As) in Zebrafish (*Danio rerio*)

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Table S1. Primer sequences used for qRT-PCR.

Gene name	Primer sequences (from 5' to 3')
syn2a	F: GTGACCATGCCAGCATTTC R: TGGTTCTCCACTTTCACCTT
pcd18b	F: GTTGTTCCCATATTTGAAGACGTGC R: CCTCTTACCTCAGTTACAATTTATA
shha	F: GCAAGATAACGCGCAATTCGGAGA R: TGCATCTCTGTGTCATGAGCCTGT
gfap	F: GGATGCAGCCAATCGTAAT R: TTCCAGGTCACAGGTCAG
acth	F: AATTTGCACTTGCCTATG R: CCCTTTGTAGCGTCATT
crh	F: TTCGGGAAGTAACCACAAGC R: CTGCACTCTATTGCGCTTCC
manf	F:AGATGGAGAGTGTGAAGTCTGTGTG R: CAATTGAGTCGCTGTCAAACTTG
ache	F:CCCTCCAGTGGGTACAAGAA R: GGGCCTCATCAAAGGTAACA
gap43	F: TGCTGCATCAGAAGAACTAA R:CCTCCGGTTTGATTCCATC
β -actin	F: ATGGATGAGGAAATCGCTGCC R: CTCCCTGATGTCTGGGTCGTC
elavl3	F:AGACAAGATCACAGGCCAGAGCTT R:TGGTCTGCAGTTTGAGACCGTTGA
nr4a2b	F:GAAGACGGCGAAATCGATGC R:CTGGCGGTTCTGACAACTTCC

Table S2. The temperature, pH and ammonia nitrogen content in the experimental water before and after water renewed (n = 3).

	Before	After
Ammonia nitrogen content (mg/L)	0.7278±0.0907	0.395±0.046
pH	6.76±0.041	7.18±0.031
T (°C)	24.7±0.2	24.5±0.1

Table S3. The concentrations of fluorescent Pb and As in the exposed water before and after water renewed (n = 3).

Groups	Before		After	
	As (mg/L)	Pb (mg/L)	As (mg/L)	Pb (mg/L)
0	-	-	-	-
Low-Pb	-	0.0194±0.0009	-	0.0304±0.0025
Low-As	0.0191±0.0013	-	0.036±0.0075	-
Low-Pb+As	0.0229±0.0014	0.0207±0.0024	0.0336±0.0019	0.0296±0.0004
High-Pb	-	3.0423±0.0681	-	3.7674±0.2688
High-As	2.4667±0.0973	-	2.9967±0.1889	-
High-Pb+As	2.19±0.0424	3.1147±0.0471	3.3133±0.2518	3.9864±0.0215