

**Table S1 – Original values of biochemical parameters evaluated in zebrafish WT larvae with 72 hpf, exposed for 4:30 h to different chemicals**

Biochemical parameters	Groups					Statistical test	p
	Control (E3)	CuSO <sub>4</sub> 2.5 µg mL <sup>-1</sup>	RF (µg a.i. mL <sup>-1</sup> )				
			1	5	10		
ROS	196 (178-204) <sup>a</sup>	272 (239-275) <sup>c</sup>	221 (206-232) <sup>ab</sup>	214 (191-247) <sup>ab</sup>	246 (237-265) <sup>bc</sup>	χ <sup>2</sup> (4) = 17.130	0.02
SOD	10 ± 1.3 <sup>abc</sup>	8.8 ± 2.4 <sup>ab</sup>	8.5 ± 1.1 <sup>a</sup>	12 ± 1.5 <sup>c</sup>	11.7 ± 1.2 <sup>bc</sup>	F (4, 20) = 6.317	0.002
CAT	4.49 ± 0.8	5 ± 0.4	3.2 ± 1.1	5.1 ± 1	3.9 ± 1	F (4, 20) = 4.646	0.08
GPx	2.6 ± 0.7	1.8 ± 0.5	3.2 ± 0.8	2.1 ± 1	1.8 ± 0.5	F (4, 20) = 1.374	0.279
GSH	103 ± 9.9 <sup>ab</sup>	117 ± 18.1 <sup>b</sup>	94 ± 11.7 <sup>b</sup>	89 ± 10.4 <sup>a</sup>	96 ± 4.9 <sup>ab</sup>	F (4, 20) = 3.894	0.017
GSSG	668 ± 205	612 ± 43	606 ± 160	575 ± 179	675 ± 66.4	F (4, 20) = 0.584	0.678
OSI	0.164 ± 0.038 <sup>ab</sup>	0.19 ± 0.018 <sup>b</sup>	0.165 ± 0.045 <sup>b</sup>	0.164 ± 0.044 <sup>ab</sup>	0.1443 ± 0.013 <sup>a</sup>	F (4, 20) = 4.426	0.01
GST	13.3 ± 3.3	13.8 ± 2.6	15 ± 2.5	11.2 ± 2.9	10.1 ± 1.7	F (4, 20) = 2.292	0.095
LPO	2.51 ± 0.43 <sup>ab</sup>	1.85 ± 0.36 <sup>a</sup>	2.31 ± 0.67 <sup>ab</sup>	2.83 ± 0.61 <sup>b</sup>	2.44 ± 0.62 <sup>ab</sup>	F (4, 20) = 2.889	0.049
LDH	57.62 ± 3.1	64.2 ± 10	58.72 ± 3.6	59.32 ± 8.1	59.94 ± 5.2	F (4, 20) = 0.193	0.940
AChE	17 ± 4.39	13 ± 2.8	17.5 ± 4	15.3 ± 4.1	11.5 ± 2.1	F (4, 20) = 1.528	0.232
NO	5.87 ± 3.3 <sup>a</sup>	16.3 ± 3 <sup>b</sup>	4.3 ± 3.4 <sup>a</sup>	7.1 ± 2.7 <sup>ab</sup>	9 ± 5.6 <sup>ab</sup>	F (4, 15) = 4.317	0.016

Data from at least five independent replicates of 50 animals each, is expressed as mean ± SD for parametric data distribution or median (25th–75th quartile) for non-parametric data. Statistical analysis was performed using one-way ANOVA followed by Tukey's multiple-comparison test or Kruskal-Wallis followed by Dunn's test. Different letters indicate significant statistical differences between groups (*p* < 0.05).