

Suppl. 1. Oxidative damage biomarkers (lipid peroxidation (LPO) and protein carbonyls (CO)) at 8 and 24 hpf in control zebrafish embryos and exposed to ketamine treatments in different developmental stages.

Developmental phase	Dose (mg mL ⁻¹)	8 hpf		24 hpf	
		LPO (nmol MDA. mg ⁻¹ of protein)	CO (nmol. mg ⁻¹ of protein)	LPO (nmol MDA. mg ⁻¹ of protein)	CO (nmol. mg ⁻¹ of protein)
Blastula	0.0	0.433±0.101	64.02±6.271	0.385±0.029	47.87 (37.96-63.77)
	0.2	0.368±0.119	58.70±5.795	0.377±0.057	51.69 (50.19-61.80)
	0.4	0.541±0.051	47.55±8.141	0.378±0.055	36.54 (34.86-41.83)
	0.8	0.477±0.048	54.19±5.043	0.435±0.048	47.83 (44.64-55.18)
Statistical test		F(3,13)=0.831	F(3,15)=0.937	F(3,22)=0.680	X ² (3)=6.269
p		0.500	0.447	0.574	0.099
Gastrula	0.0	0.410 (0.250-0.638)	64.02±6.271	0.405 (0.325-0.425)	49.86±6.784
	0.2	0.315 (0.203-0.405)	48.44±8.287	0.435 (0.265-0.493)	44.61±1.716
	0.4	0.220 (0.210-0.310)	45.60±6.607	0.400 (0.295-0.445)	52.60±5.089
	0.8	0.285 (0.218-0.435)	60.24±6.758	0.335 (0.163-0.463)	34.91±3.955
Statistical test		X ² (3)=3.372	F(3,19)=1.115	X ² (3)=2.854	F(3,20)=1.461
p		0.338	0.368	0.415	0.255
Segmentation	0.0			0.433±0.101	47.87 (37.96-63.77)
	0.2			0.368±0.119	27.91 (27.02-46.57)
	0.4			0.541±0.051	33.29 (21.43-48.64)
	0.8			0.477±0.048	30.50 (21.89-43.33)
Statistical test				F(3,23)=1.495	X ² (3)=3.698
p				0.242	0.296

Data from at least four independent replicates of 100 animals each, is expressed as mean ± SD for parametric data distribution or median and range 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 (p<0.05).