Figure S1. The effects of NIC, 6HLN and COT (1 and 2 mg/L) administration in SCOP-treated zebrafish on anxiety-like behavior evaluated within NTT. The number of entries to the top (A), average entry duration (B) freezing duration (C), time spent in top/bottom ratio (D) and distance traveled top/bottom ratio (E) were the additional parameters for measuring the anxiety-like behavior. The values are expressed as means ± S.E.M. (n=10). ANOVA analysis identified overall significant differences between the experimental groups for (A) F(8,81)=10.41, p<0.0001, (B) F(8,81)=25.10, p<0.0001, (C) F(8,81)=10.68, p<0.0001, (D) F(8,81)=15.4, p<0.0001 and (E) F(8,81)=17.11, p<0.0001. For Tukey post hoc analyses – **** p<0.0001, *** p<0.001, ** p<0.01 and * p<0.05.
Figure S2. Pearson’s correlation coefficient between behavioral or biochemical parameters and MDA or markers of gene expression (n=10 animals per group): (A) Time in the novel arm (% of total time) vs. npy ($r=0.524$, $p<0.01$), (B) Preference % vs. egr1 ($r=0.557$, $p<0.001$), (C) GPX vs. MDA ($r=0.692$, $p<0.001$), (D) GSH vs. MDA ($r=0.678$, $p<0.001$), (E) GPX vs nrf2a ($r=0.697$, $p<0.001$) and (F) MDA vs. nrf2a ($r=0.678$, $p<0.001$) in control ( ), SCOP (x), NIC 1 mg/L + SCOP (▼), NIC 2 mg/L + SCOP (▲), 6HLN 1 mg/L + SCOP (●), 6HLN 2 mg/L + SCOP (♦), COT 1 mg/L + SCOP (►) and COT 2 mg/L + SCOP (◄). Data are expressed as follow: MDA (µmol/L), GPX (U/mg protein), GSH (µg GSH/µg protein), nrf2a (mRNA copy number, x10000), egr1 (mRNA copy number, x10000) and npy (mRNA copy number, x10000).