

Supplementary Table.1. SOD, CAT, GST, GR, GPx activities and GSH, GSSG contents in testis of tilapia exposed to methomyl for 30 days, and after an 18-day recovery period in methomyl-free water (R18)

Enzymes	Time (d)	Enzymes activities (% of control)			
		0.2 $\mu\text{gL}^{-1}$	2 $\mu\text{gL}^{-1}$	20 $\mu\text{gL}^{-1}$	200 $\mu\text{gL}^{-1}$
SOD	30	97.53 $\pm$ 6.21 <sup>Ac</sup>	135.27 $\pm$ 5.32 <sup>Ab*</sup>	149.85 $\pm$ 4.88 <sup>Aa*</sup>	71.22 $\pm$ 4.57 <sup>Bd*</sup>
	R18	99.87 $\pm$ 6.32 <sup>Aa</sup>	102.28 $\pm$ 5.41 <sup>Ba</sup>	98.87 $\pm$ 5.08 <sup>Ba</sup>	82.43 $\pm$ 5.11 <sup>Ab*</sup>
CAT	30	101.87 $\pm$ 5.87 <sup>Ac</sup>	161.23 $\pm$ 7.85 <sup>Aa*</sup>	118.21 $\pm$ 6.79 <sup>Ab*</sup>	68.12 $\pm$ 6.52 <sup>Ad*</sup>
	R18	98.67 $\pm$ 8.48 <sup>Aa</sup>	105.32 $\pm$ 6.97 <sup>Ba</sup>	96.88 $\pm$ 7.86 <sup>Ba</sup>	79.86 $\pm$ 6.88 <sup>Ab*</sup>
GST	30	103.11 $\pm$ 5.03 <sup>Ab</sup>	117.86 $\pm$ 4.85 <sup>Aa*</sup>	120.59 $\pm$ 5.39 <sup>Aa*</sup>	74.11 $\pm$ 6.25 <sup>Ac*</sup>
	R18	98.76 $\pm$ 5.89 <sup>Aa</sup>	101.12 $\pm$ 4.95 <sup>Ba</sup>	102.25 $\pm$ 5.02 <sup>Ba</sup>	66.37 $\pm$ 6.07 <sup>Ab*</sup>
GR	30	98.76 $\pm$ 6.02 <sup>Ab</sup>	129.87 $\pm$ 7.24 <sup>Aa*</sup>	138.75 $\pm$ 5.86 <sup>Aa*</sup>	76.55 $\pm$ 7.05 <sup>Ac*</sup>
	R18	100.53 $\pm$ 7.09 <sup>Aa</sup>	101.88 $\pm$ 6.45 <sup>Ba</sup>	99.45 $\pm$ 6.03 <sup>Ba</sup>	83.56 $\pm$ 5.23 <sup>Ab*</sup>
GPx	30	102.11 $\pm$ 7.21 <sup>Ad</sup>	135.85 $\pm$ 6.35 <sup>Abc*</sup>	147.33 $\pm$ 6.02 <sup>Aab*</sup>	159.35 $\pm$ 7.06 <sup>Aa*</sup>
	R18	97.56 $\pm$ 7.52 <sup>Ab</sup>	102.36 $\pm$ 7.05 <sup>Bb</sup>	102.75 $\pm$ 6.35 <sup>Cb</sup>	122.54 $\pm$ 5.88 <sup>Ba*</sup>
GSH	30	101.22 $\pm$ 6.35 <sup>Aa</sup>	91.23 $\pm$ 6.45 <sup>Aab</sup>	79.88 $\pm$ 5.32 <sup>Bbc*</sup>	63.95 $\pm$ 5.88 <sup>Bd*</sup>
	R18	96.88 $\pm$ 5.36 <sup>Aa</sup>	101.22 $\pm$ 5.02 <sup>Aa</sup>	103.25 $\pm$ 5.45 <sup>Aa</sup>	84.55 $\pm$ 5.21 <sup>Ab*</sup>
GSSG	30	102.88 $\pm$ 5.23 <sup>Ad</sup>	117.23 $\pm$ 6.02 <sup>Abc*</sup>	128.56 $\pm$ 6.12 <sup>Aab*</sup>	137.69 $\pm$ 5.06 <sup>Aa*</sup>
	R18	98.56 $\pm$ 6.02 <sup>Ab</sup>	103.87 $\pm$ 5.33 <sup>Bb</sup>	98.21 $\pm$ 5.43 <sup>Bb</sup>	119.88 $\pm$ 6.05 <sup>Ba*</sup>

Note: All the data were expressed as Average  $\pm$  SD (n=6). “\*” means significant difference from the control. Different lower-case letters indicate significant difference among concentrations at the same exposure period, and different upper-case letters indicate difference between exposure and recovery periods at the same methomyl concentration, and with  $P < 0.05$  being considered significant.