

Table S2: Efficacy of the 10-day chronic disturbance protocol on stress hormones and oxidative stress load.

A. Data for body mass and stress hormones were first collected in November 2009 and again right after the first 10-day chronic disturbance treatment in March 2010. B. Data for body mass and oxidative stress markers were collected before and after the last 10-day chronic disturbance treatment in November 2010. Data are mean $\pm$ 1SEM, sample sizes: control group (n=20), stress-exposed group (n=12). * = effect of time (before-after, $p<0.05$). ‡ = effect of treatment*time interaction ($p<0.05$). # = effect of treatment ($p<0.05$). \$ = effect of sex ($p<0.05$). Statistics are determined from LMMs (for details see text). Significant effects are highlighted in bold. # log-transformed data; ^ square-root-transformed data.

A.	Control group before	Control group after	Stress-exposed group before	Stress-exposed group after	Effect of treatment	Effect of time	Interaction treatment*time
Body mass (g)#	89.59 $\pm$ 2.28	85.56 $\pm$ 2.52	85.88 $\pm$ 1.65	83.98 $\pm$ 2.27*	$p>0.4$	$F_{(1,32)}=6.94$, $p=0.013$	$p>0.3$
Baseline corticosterone (ng/ml) #	1.55 $\pm$ 0.22	2.12 $\pm$ 0.24	1.34 $\pm$ 0.14	2.08 $\pm$ 0.25*	$p>0.8$	$F_{(1, 32)}=11.11$, $p=0.002$	$p>0.8$
Stress-induced corticosterone (ng/ml) ^	11.97 $\pm$ 2.31	25.58 $\pm$ 4.63	9.15 $\pm$ 2.2	14.76 $\pm$ 2.84*	$p=0.099$	$F_{(1, 32)}=13.09$, $p=0.001$	$p>0.2$
Difference between stress- induced corticosterone and concentrations after dexamethasone	-2.64 $\pm$ 2.64	-16.09 $\pm$ 4.99	0.15 $\pm$ 2.51	-10.29 $\pm$ 2.68*	$p>0.9$	$F_{(1,29,94)}=11.65$, $p=0.002$	$p>0.2$

injection (ng/ml) Corticosterone after ACTH- injection (ng/ml)	40.53±4.61	50.31±4.23	43.01±6.03	59.19±8.33* ^{\$}	p>0.4	F_(1, 32)=6.24, p=0.018	p>0.8
B.							
Body mass (g) #	90.79±2.63	88.22±2.43	86.4±1.55	81.88±1.25*‡	p>0.1	F_(1, 32.56)= 50.56, p<0.0005	F_(1, 32.56)= 6.47, p=0.016
Plasma oxidative damage (mM of H₂O₂ equivalents) #	0.11±0.013	0.14±0.01	0.4±0.14	0.17±0.02#‡	F_(1, 25.17)= 5.79, p=0.024	p>0.1	F_(1,25.84)= 10.37, p=0.003
Plasma non- enzymatic antioxidants (mM HOCl neutralized) #	204.59±7.23	203.63±7.6	230.28±11.86	242.74±11.01#	F_(1,30.37)= 8.89, p=0.006	p>0.3	p>0.2
Glutathione peroxidase (U/l hemolysate) #	2287.82±110.04	2289.85±93.75	2563.96±135.67	2494.91±133.31	p>0.1	p>0.1	F_(1, 32.15)= 2.99, p=0.093