

Table S3: Intraclass correlation coefficients (ICCs, [95% confidence intervals])* for all biomarkers

ICCS:	Total (n=32)	Control group (n=20)	Stress-exposed group (n=12)
Telomere length (bp)	0.823 [0.512, 0.925] P<0.005*	0.954 [0.843, 0.988] P<0.005*	0.667 [0.008, 0.903] P=0.001*
Plasma oxidative damage (mM of H ₂ O ₂ equivalents)	0.174 [-0.093, 0.454] P=0.042*	0.178 [-0.085, 0.525] P=0.01*	0.24 [-0.294, 0.689] P=0.198
Plasma non- enzymatic antioxidants (mM HOCl neutralized)	0.17 [-0.114, 0.455] P=0.12	0.109 [-0.191, 0.455] P=0.259	0.261 [-0.297, 0.704] P=0.186
Glutathione peroxidase (U/l hemolysate)	0.246 [-0.099, 0.586] P=0.001*	0.247 [-0.109, 0.604] P=0.011*	0.21 [-0.081, 0.622] P=0.017*
Scaled mass index	0.93 [0.859, 0.966] P<0.005*	0.946 [0.87, 0.978] P<0.005*	0.812 [0.488, 0.941] P<0.005*
Locomotor activity (hops/2min)	0.652 [0.39, 0.851] P<0.005*	0.636 [-0.002, 0.872] P<0.005*	0.654 [0.175, 0.886] P=0.004*
Baseline corticosterone (ng/ml)	-0.011 [-0.353, 0.333] P=0.525	0.148 [-0.294, 0.542] P=0.259	-0.699 [-1.024, -0.09] P=0.987
Stress-induced corticosterone (ng/ml)	0.518 [0.218, 0.73] P=0.001*	0.542 [0.162, 0.786] P=0.004*	0.449 [-0.087, 0.797] P=0.054
Difference between stress- induced corticosterone and concentrations after dexamethasone injection (ng/ml)	-0.019 [-0.287, 0.286] P=0.55	-0.045 [-0.408, 0.367] P=0.587	0.177 [-0.113, 0.58] P=0.126
Corticosterone after ACTH- injection (ng/ml)	0.132 [-0.179, 0.436] P=0.21	-0.115 [-0.509, 0.329] P=0.695	0.625 [-0.006, 0.885] P=0.001*

*all biomarkers were log-transformed prior to analysis, using two-way mixed effects models with 'birdID' as random effect and 'before – after' measurements as fixed effect; in SPSS Version 21. Significant ICCs are highlighted in bold.