Correction to: Astaxanthin supplementation impacts the cellular HSP expression profile during passive heating

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Due to an unfortunate misunderstanding, the top part of Figures 2 and 3 are not correctly displayed. The original article has been corrected and the proper version of Figures 2 and 3 is also published here.

The online version of the original article can be found at <https://doi.org/10.1007/s12192-019-01061-4>

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Fig. 2 Heat shock protein dynamics post heat stress in the heart. Orange boxes—ATXsa group; Green boxes—OILsa group. $n = 4$ –5 animals per group for each time point. Blot representations of sample membranes appear below for ATXsa and OILsa. **a.1** Cardiac HSP72 protein dynamics post HS. *ATXsa $t = 30$ m was significantly higher than OILsa $t = 30$ m ($p = 0.003$); **ATXsa $t = 4$ h was significantly higher than OILsa $t = 4$ h ($p < 0.001$); #ATXsa $t = 30$ m, and 4 h post HS were significantly higher

than the control, ($p < 0.001$). **a.2** Cardiac HSP72 protein dynamics post HS, individual animals represented in a 3D plot. **b.1** Cardiac HSP27 protein dynamics post HS. *ATXsa $t = 4$ h was significantly higher than ATXsa $t = 0$, $t = 1$ h, and $t = 2$ h ($p < 0.05$). **b.2** Cardiac HSP27 protein dynamics post HS, individual animals represented in a 3D plot. **c.1** Cardiac HSP90 protein dynamics post HS. **c.2** Cardiac HSP90 protein dynamics post HS, individual animals represented in a 3D plot

Fig. 3 Heat shock protein dynamics post heat stress, in the liver Orange boxes—ATXsa group; green boxes—OILsa group. $n = 4$ –5 animals per group for each time point. Blot representations of sample membranes appear below for ATXsa and OILsa. **a.1** Hepatic HSP72 protein dynamics post HS. **a.2** Hepatic HSP72 protein dynamics post HS, individual animals represented in a 3D plot. **b.1** Hepatic HSP27 protein dynamics post HS. **b.2** Hepatic HSP27 protein dynamics post HS, individual animals

represented in a 3D plot. **c.1** Hepatic HSP90 protein dynamics post HS. *OILsa $t = 4$ h is significantly higher than ATXsa $t = 4$ h ($p < 0.02$); ##OILsa $t = 4$ h is significantly higher than all other OILsa time points ($p < 0.036$). **c.2** Hepatic HSP90 protein dynamics post HS, individual animals represented in a 3D plot. Graphical representations were created by using the Excel and SPSS programs

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