**Supplementary material**



**Supplementary Fig. 1**. Measurement of food intake (B), body weight (B) and total body weight gain (C) in dams that received a control or dyslipidemic diet during pregnancy and lactation. Groups: control (CTL, n = 5) and dyslipidemic group (DLP). Data are presented as means ± SEM. \*p<0.05 using two-way ANOVA, followed by Bonferroni’s post-hoc test or Student’s t-test.

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**Supplementary Fig. 2**. Representative baseline recordings of pulsatile arterial pressure (PAP), mean arterial pressure (MAP) and hear rate (HR) in male offspring from control and dyslipidemic dams.



**Supplementary Fig. 3.** Breathing recordings of one representative offspring from control and dyslipidemic dams at 90 days during at rest and after hypercapnia stimulation (7% CO2).