

**Supplementary Figure 1. DFAM did not change locomotor activity in rats fed a highcholesterol diet.** In another DFAM experiment, we monitored the locomotor activity for 24 hours. These data are the reference for the present study. Control rats were allowed access to a diet from ZT 12–24. The DFAM group was allowed access to a diet from ZT 16–4. Total activity was not different between both groups. The patterns of locomotor activity in (A) control and (B) DFAM group during a day were similar. Values showed mean ± SEM of 3 rats. The open and closed horizontal bars indicate the light (ZT 0-12) and the dark (ZT 12-24).