SUPPLEMENTARY INFORMATION

Beneficial effects of murtilla extract and madecassic acid on insulin sensitivity and endothelial function in a model of diet-induced obesity

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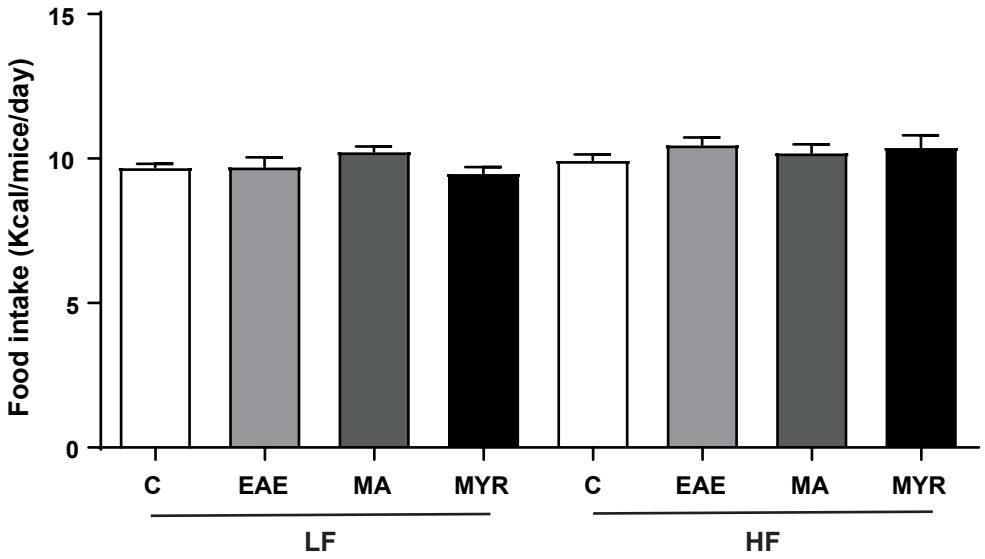
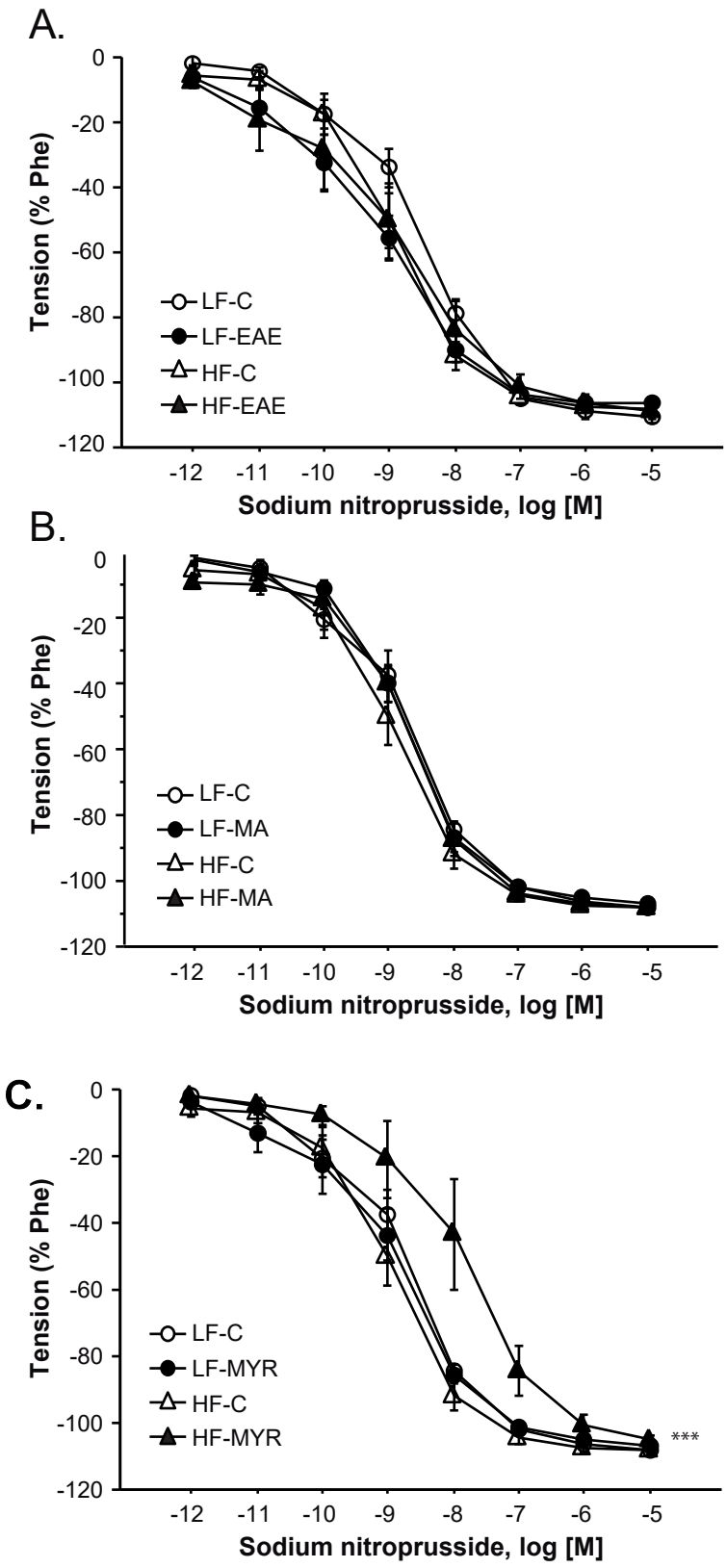
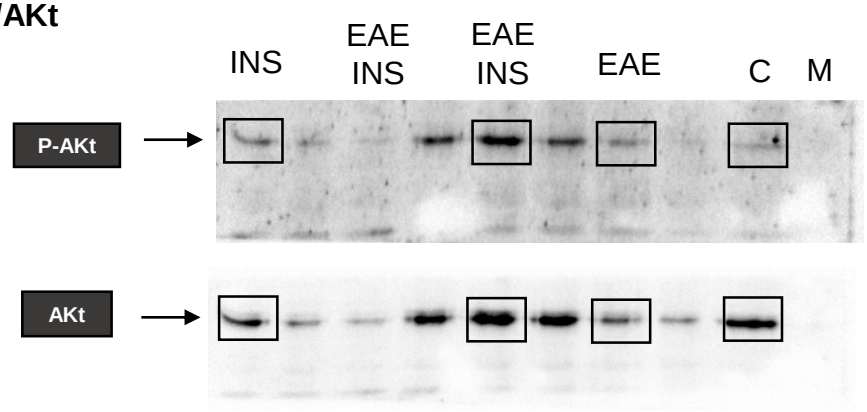
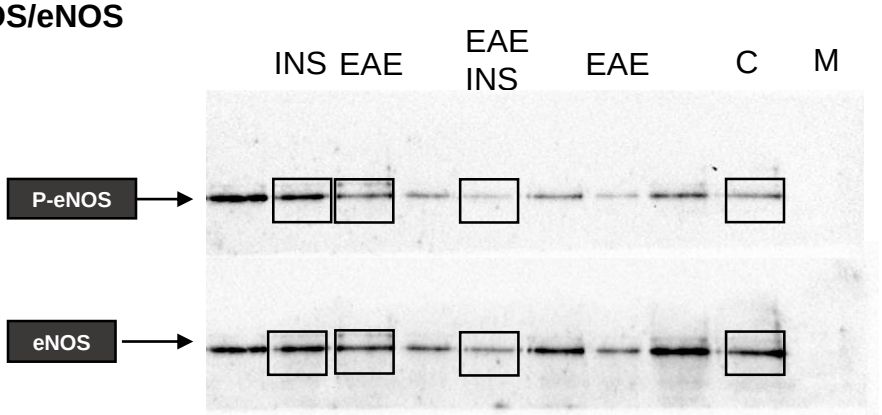

Food intake (Kcal/mice/day)
15
10
5
0
C
EAE
MA
MYR
C
EAE
MA
MYR
LF
HF


A.
Tension (% Phe)
0
-20
-40
-60
-80
-100
-120
LF-C
LF-EAE
HF-C
HF-EAE
-12
-11
-10
-9
-8
-7
-6
-5
Sodium nitroprusside, log [M]
B.
Tension (% Phe)
LF-C
LF-MA
HF-C
HF-MA
Sodium nitroprusside, log [M]
C.
Tension (% Phe)
LF-C
LF-MYR
HF-C
HF-MYR
***
Sodium nitroprusside, log [M]

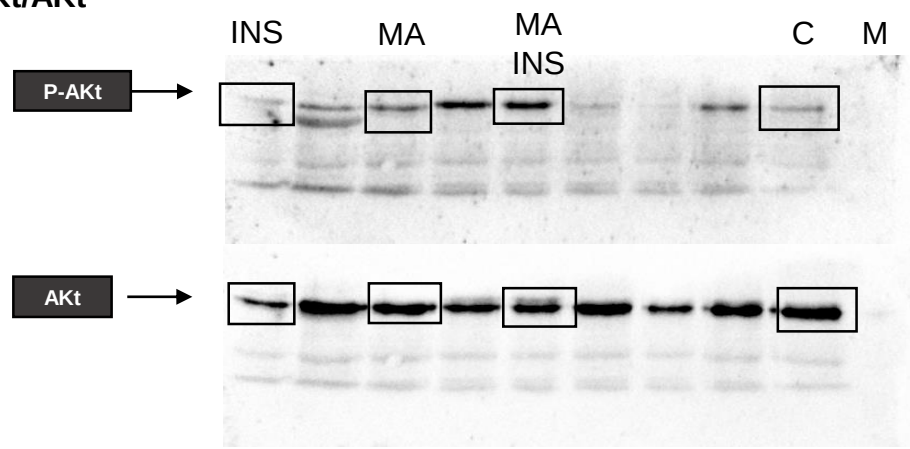
A. P-AKt/AKt



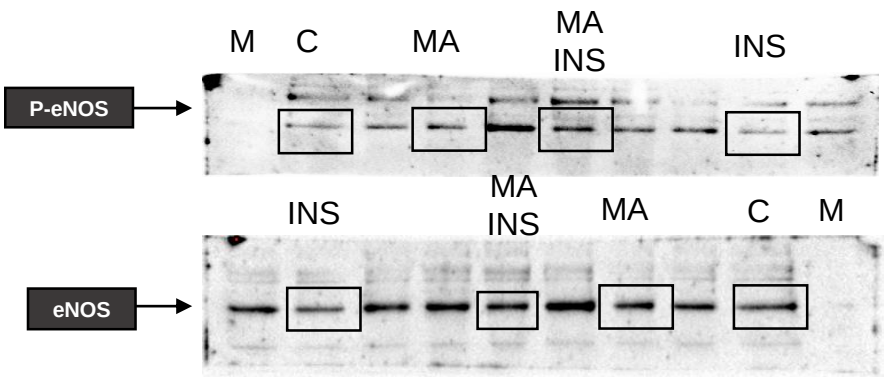
B. P-eNOS/eNOS



C. P-AKt/AKt



D. P-eNOS/eNOS



Selected bands for figure 6

SUPPLEMENTARY FIGURE LEGENDS

Supplementary Figure 1

Diagram bars show food intake in all experimental groups. Data are expressed in Kcal/mice/day and as mean ± SEM of 5 determinations per group.

Supplementary Figure 2

Cumulative concentration-response curves to sodium nitroprusside (10^{-12}-10^{-5}M) in aortic segments from LF and HF mice treated or not with EAE (A), MA (B), or MYR (C). Data are expressed as mean ± SEM of 5 determinations per group. ***$p<0.001$ compared with the corresponding control group.

Supplementary Figure 3

Full-length blots selected for Figure 6, that constitute the most representative immunoblots of p-Akt/Akt and p-eNOS/eNOS expression.