Supplementary Results:

**Nesfatin-1 and nesfatin-3 expression in murine SC and OM adipose tissues**

Semi-quantitative analysis of site-specific expression of nesfatin-1 and nesfatin-3 protein expression assessed by western blotting demonstrated significantly higher expression of both nesfatin-1 ($P < 0.001$) and nesfatin-3 (a intense band of size 26 kDa was observed $P < 0.001$) levels in SC adipose tissue compared to OM tissue (representative blot shown in supplementary figure 1). The expression of nesfatin-1 was significantly higher compared to nesfatin-3 levels in both SC (###, $P < 0.01$) and OM (###, $P < 0.01$) adipose tissue.

**Supplementary figure 1**
Figure Legend

**Figure 1.** Site specific distribution of nesfatin-1 and nesfatin-3 protein expression in mouse SC and OM adipose tissue was analyzed by Western blotting. Highest levels of both nesfatin-1 and nesfatin-3 expression were present in SC compared to OM, adipose tissue in mice. Representative blot showing differences in nesfatin-1 and nesfatin-3 are shown in the figure. Anti-nesfatin-3 antibody detected an intense band of about 26 kDa molecular weight size. For western blot analysis, both nesfatin-1 and nesfatin-3 expressions were normalized against β-actin and were expressed as fold increase or decrease over nesfatin-1 expression in OM tissue. All data are expressed as means ± SEM fold increase over control values. ##P < 0.01 was considered as significant (n=4).