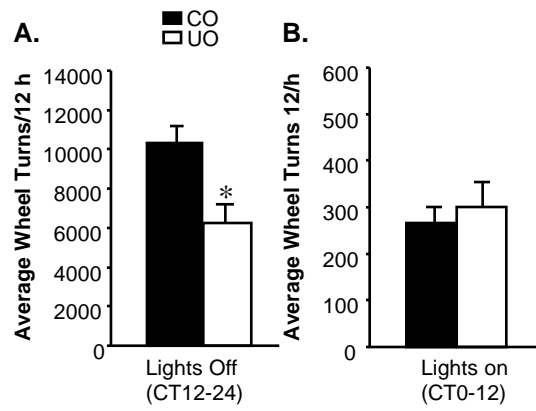


Supplemental Table 1. Effects of maternal nutrition on serum lipid, glucose and markers of inflammation in female CO and UO. Serum samples were collected from mice mid-light phase (CT6) or mid-dark phase (CT18). (n.d. – no data). *

p<0.05

for effects of adult diet at either CT6 or CT18, CO vs UO.

| Diet: | Control Diet | | | | HFD | | | |
|-----------------------------|--------------|-----------|------------|------------|-----------|------------|------------|-------------|
| Time: | CO CT6 | UO CT6 | CO CT18 | UO CT18 | CO CT6 | UO CT6 | CO CT18 | UO CT18 |
| Age 8 wk | N=15 | N=15 | N=15 | N=15 | N=15 | N=15 | N=20 | N=20 |
| Glucose (mg/dl) | 135 ± 8 | 76 ± 10* | 115 ± 20 | 125 ± 13 | nd | nd | nd | nd |
| Insulin (ng/ml) | 1.1 ± 0.5 | 1.2 ± 0.8 | 1.6 ± 0.8 | 1.3 ± 0.6 | nd | nd | nd | nd |
| Blood Lipids | | | | | | | | |
| TG (mg/dl) | 20 ± 6 | 22 ± 8 | 28 ± 6 | 24 ± 5 | nd | nd | nd | nd |
| Cholest. (mg/dl) | 31 ± 4 | 38 ± 2* | 41 ± 3 | 48 ± 3 | nd | nd | nd | nd |
| Age 20 wk | | | | | | | | |
| Glucose (mg/dl) | 125 ± 17 | 135 ± 10 | 132 ± 15 | 143 ± 10 | 300 ± 20 | 390 ± 15* | 345 ± 8 | 412 ± 21* |
| Insulin (ng/ml) | 1.3 ± 0.8 | 1.3 ± 0.5 | 1.5 ± 0.6 | 2.5 ± 0.9 | 3.8 ± 0.3 | 5.9 ± 0.9* | 3.8 ± 0.8 | 6.0 ± 0.3* |
| Leptin (ng/ml) | 9.0 ± 2.0 | 10 ± 2.5 | 8 ± 2.3 | 8 ± 3.0 | 32 ± 5.0 | 42 ± 7.0* | 25.5 ± 3.0 | 36.9 ± 3.2* |
| Blood Lipids | | | | | | | | |
| TG (mg/dl) | 56 ± 18 | 92 ± 15* | 95 ± 10 | 145 ± 19* | 128 ± 20 | 171 ± 10* | 154 ± 10 | 188 ± 5* |
| Cholest. (mg/dl) | 21 ± 8 | 54 ± 10* | 25 ± 4 | 59 ± 4* | 69 ± 9 | 99 ± 10* | 102 ± 13 | 142 ± 16* |
| Inflammatory markers | | | | | | | | |
| Tnfα (ng/ml) | 123 ± 13 | 136 ± 10 | 180 ± 26 | 220 ± 20 | 158 ± 11 | 177 ± 17 | 148 ± 12 | 172 ± 13* |
| PAI-1 (ng/ml) | 19 ± 10 | 17 ± 6 | 32 ± 10 | 46 ± 5 | 18 ± 4 | 25 ± 6 | 22 ± 3 | 38 ± 16 |



Sutton et al. Supplemental Fig. 1