**Supplementary Figure S1.** Pyruvate challenge tests in male MNR and control offspring at 6 month of age. (*a*)There were no significant differences in blood glucose from 0 to 120 min (*p*-value = 0.4). (*b*) Similar total AUC between control and MNR indicate no differences in hepatic glucose output (*p*-value = 0.3). Control N=5, MNR N=5 (1 pup/litter). Data are mean + SEM (*a*). Asterisk represents a *p* < 0.05 with a repeated measures ANOVA (*a*) or unpaired *t*-test (*b*).

**Supplementary Figure S2**. Random blood glucose in male MNR and control offspring from 1 to 6 months of age. (**A**)Random blood glucose did not significantly differ at age. (**B**) AUC from random blood glucose was similar between MNR and control indicating normoglycemia in MNR offspring. At 1 month Control N= 33, MNR N= 51 (5 control and 10 MNR litters, 3-11 pups/litter); from 2 months-6 months Control N= 26, MNR N=36 (5 control and 10 MNR litters, 3-9 pups/litter). Data are mean + SEM (*a*). Asterisk represents a *p* < 0.05 with a repeated measures ANOVA(*a*) or Mann-Whitney test(*b*).

**Supplementary Figure 3S**. Serum and liver lipids in male MNR (N=36) and control (N=27) offspring at 6 months of age. **A.** Serum triglyceride (*p* = 0.6) (**i**) and total cholesterol (**ii**) (*p* = 0.7) were not significantly different between MNR and control offspring. **B.** Liver total cholesterol was also similar between MNR and control offspring (*p* = 0.07). 5 control and 10 MNR litters, 3-6 pups/litter. Data are mean + SEM (a). Asterisk represents a *p* < 0.05 with a Mann-Whitney test.