Supplementary Table 1

QPCR primers

|  |  |
| --- | --- |
| Gene symbol | Assay reference |
| Acaca | Rn00573474\_m1 |
| Fasn | Rn00569117\_m1 |
|  |  |
| Cd36 | Rn00580728\_m1 |
| Cpt1a | Rn00580702\_m1 |
| Acox1 | Rn01460628\_m1 |
|  |  |
| Ppara | Rn00566193\_m1 |
| Pparg | Rn00440945\_m1 |
| Ppargc1a | Rn00580241\_m1 |
| Srebf1 | Rn01495769\_m1 |
|  |  |
| 18S | Hs99999901\_s1 |
| Gapdh | Rn99999916\_s1 |
| Ywhaz | Rn00755072\_m1 |

Supplementary Table 2

Offspring organ weights at post mortem

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REML |   | Males |   |   | Females |   |   |   |   |   |   |
|   | AIN | SIMD | SACN  | AIN | SIMD | SACN  | sed | Expt | Gender | Diet | Gender.Diet |
| Body wt | 653.8 | 613.0 | 602.8 | 308.2 | 278.2 | 276.5 | 20.6 | 0.025 | <0.001 | 0.034 | 0.782 |
| Liver | 22.840 | 21.600 | 20.070 | 11.360 | 10.620 | 9.480 | 0.994 | 0.941 | <0.001 | 0.026 | 0.784 |
| Heart | 1.794 | 1.677 | 1.717 | 1.186 | 1.094 | 1.085 | 0.060 | 0.007 | <0.001 | 0.045 | 0.855 |
| L Kidney | 2.079 | 2.198 | 2.067 | 1.356 | 1.285 | 1.192 | 0.102 | 0.013 | <0.001 | 0.297 | 0.360 |
| R Kidney | 2.227 | 2.220 | 2.092 | 1.391 | 1.324 | 1.212 | 0.102 | 0.059 | <0.001 | 0.117 | 0.909 |
| Brain | 1.898 | 1.906 | 1.860 | 1.662 | 1.682 | 1.634 | 0.034 | 0.021 | <0.001 | 0.291 | 0.946 |
| Soleus | 0.256 | 0.228 | 0.218 | 0.139 | 0.131 | 0.113 | 0.011 | <0.001 | <0.001 | 0.002 | 0.444 |
| Plantaris | 0.476 | 0.460 | 0.416 | 0.267 | 0.277 | 0.245 | 0.023 | 0.091 | <0.001 | 0.034 | 0.479 |
| Gastrocnemius | 2.226 | 2.143 | 2.068 | 1.249 | 1.188 | 1.131 | 0.072 | 0.003 | <0.001 | 0.083 | 0.903 |
| Fat | 9.354 | 8.967 | 9.743 | 4.096 | 3.365 | 3.849 | 0.849 | 0.772 | <0.001 | 0.595 | 0.834 |
| Total fat | 18.350 | 17.320 | 18.590 | 7.890 | 5.540 | 7.480 | 1.310 | 0.012 | <0.001 | 0.221 | 0.752 |
| Testis/Ovary | 2.900 | 2.498 | 2.921 | 0.213 | 0.214 | 0.183 | 0.164 | 0.240 | <0.001 | 0.198 | 0.075 |

Data analysed by REML Data are estimated means plus sed. Numbers of animals are given in Table 3. Values with unlike superscript within rows differ by more than 2x sed. n.s. = p>0.05