

Supplementary Tables

Table S1. Primer references for TaqMan® Gene Expression Assays (Applied Biosystems).

Gene ID	GenBank accession n°	Assay ID	Amplicon length
<i>Actb</i>	NM_007393.5	Mm02619580_g1	143
<i>Agrp</i>	NM_007427.3	Mm00475829_g1	86
<i>Bdnf</i>	NM_001048142.1	Mm04230607_s1	92
<i>Blvra</i>	NM_026678.4	Mm00466076_m1	73
<i>Cartpt</i>	NM_013732.7	Mm04210469_m1	102
<i>Ghrl</i>	NM_021488.5	Mm00612524_m1	104
<i>Ghsr</i>	NM_177330.4	Mm00616415_m1	63
<i>Glp1r</i>	NM_021332.2	Mm00445292_m1	70
<i>Hcrt</i>	NM_010410.2	Mm01964030_s1	168
<i>Igf1r</i>	NM_010513.2	Mm00802831_m1	106
<i>Il1b</i>	NM_008361.3	Mm00434228_m1	90
<i>Il6</i>	NM_031168.1	Mm00446190_m1	78
<i>Insr</i>	NM_010568.2	Mm01211879_m1	102
<i>Lepr</i>	NM_001122899.1	Mm00440181_m1	97
<i>Npy</i>	NM_023456.2	Mm01410146_m1	130
<i>Pmch</i>	NM_029971.2	Mm01242886_g1	78
<i>Pomc</i>	NM_001278581.1	Mm00435874_m1	60
<i>Retn</i>	NM_001204959.1	Mm00445641_m1	80
<i>S100b</i>	NM_009115.3	Mm00485897_m1	69
<i>Tlr4</i>	NM_021297.2	Mm00445273_m1	87
<i>Tnf</i>	NM_001278601.1	Mm00443258_m1	81

Table S2. Antibody references for Western Blot Assays.

Primary antibody	Specie	Manufacturing details	Dilution
AMPK	Rabbit	Cell Signaling (#5832)	1:1000
P(Ser202, Thr205)-Tau (AT8)	Mouse	ThermoFisher (#MN1020)	1:500
CDK5	Mouse	Cell Signaling (#12134)	1:1000
ERK1/2	Rabbit	Cell Signaling (#9102)	1:1000
GFAP	Mouse	Sigma-Aldrich (G3893)	1:500
GHSR	Rabbit	ThermoFisher (PA5-28752)	1:1000
GLP-1R	Rabbit	Abcam (ab39072)	1:500
P(Ser9)-GSK3- β	Rabbit	Cell Signaling (#9322)	1:1000
P(Tyr279/Tyr216)-GSK3	Mouse	Sigma-Aldrich (05-413)	1:1000
GSK3- β	Rabbit	Cell Signaling (#12456S)	1:1000
Iba1	Rabbit	Abcam (ab5076)	1:1000
IL-1 β	Mouse	Cell Signaling (#12242)	1:1000
IR	Mouse	Cell Signaling (#3020)	1:1000
IRS1	Rabbit	Cell Signaling (#3407P)	1:1000
LepR [EPR911(N)]	Rabbit	Abcam (ab177469)	1:500
LRP1	Rabbit	Cell Signaling (#64099)	1:1000
mTOR	Rabbit	Cell Signaling (#2972)	1:1000
P(ser612)-IRS1	Rabbit	Cell Signaling (#3203P)	1:1000
P(Tyr892)-IRS1	Rabbit	Abcam (ab46800)	1:1000
P35/P25	Rabbit	Cell Signaling (#2680)	1:1000
P(Thr172)-AMPK	Rabbit	Cell Signaling (#2535)	1:1000
P(Thr202/Tyr204)-ERK1/2	Rabbit	Cell Signaling (#9101)	1:1000
P(Tyr1158, Tyr1162, Tyr1163)-IR	Rabbit	Abcam (ab5681)	1:1000
P(Tyr1077)-LepR	Rabbit	Sigma-Aldrich (07-1317)	1:1000
P(Ser2448)-mTOR	Rabbit	Cell Signaling (#2971)	1:1000
P(Tyr703)-STAT3	Rabbit	Cell Signaling (#91455)	1:1000
P(Tyr694)-STAT5	Rabbit	Cell Signaling (#9351)	1:500
STAT3	Mouse	Cell Signaling (#91395)	1:1000
STAT5	Rabbit	Cell Signaling (#9363)	1:1000
Tau	Rabbit	Abcam (ab203179)	1:500
TLR4	Rabbit	Abcam (ab217274)	1:1000
UCP1	Rabbit	Abcam (ab10983)	1:1000
γ -adaptin	Mouse	BD Biosciences (610385)	1:2000