

Supplementary Table 1 - Plasma hormones (ng/mL) in wt and β -less mice housed at 22°C

	WT control	WT stress	β -less control	β -less stress	WT control	WT stress	β -less control	β -less stress	
	Average				S.E.M.				Statistical analysis
Corticosterone	59.8	90.8	124.1	136.5	12.2	16.3	28.3	30.2	Wt vs β -less p=0.05
ACTH	0.02	0.01	0.01	0.01	0.002	0.003	0.001	0.001	NS
Leptin	2.2	6.3	5.4	4.4	1.3	1.3	1.4	1.3	Wt Str vs Wt Con p<0.05
Amylin	0.09	0.17	0.08	0.08	0.01	0.04	0.01	0.01	Wt Str vs Wt Con p<0.01
Resistin	2.1	3.4	4.1	3.8	0.7	1.4	0.8	1.6	NS
Glucagon	0.09	0.10	0.08	0.08	0.015	0.018	0.005	0.007	NS
TNF-alpha	0.04	0.04	0.03	0.03	0.009	0.008	0.004	0.002	NS
GIP	0.12	0.20	0.06	0.07	0.059	0.074	0.036	0.035	NS
PP	0.05	0.04	0.03	0.03	0.007	0.008	0.001	0.004	NS
PYY	0.10	0.11	0.05	0.05	0.020	0.019	0.005	0.005	NS
GLP-1	0.21	0.22	0.22	0.21	0.009	0.017	0.021	0.015	NS
LH	0.15	1.72	0.21	0.45	0.04	0.84	0.04	0.18	NS
FSH	86.6	173.4	81.7	78.3	13.5	45.4	12.9	10.9	NS
GH	0.8	3.2	1.7	3.1	0.7	1.3	0.6	1.0	NS
BDNF	0.17	0.13	0.20	0.24	0.05	0.03	0.09	0.07	NS