

Supplementary

Table S1. Primary antibodies details

target	ref n.	company	dilution
Paraoxonase 2 (PON2)	PA5-25663	Thermo Fisher Scientific (Waltham, MA, USA)	1:1000
Superoxide Dismutase 2 (SOD2)	611580	BD Transduction Laboratories (Milano, Italy)	1:2000
Thioredoxin Interacting Protein (TXNIP)	40-3700	Invitrogen, Thermo Fisher Scientific	1:250
Cyclophilin D (CypD)	45-5900	Thermo Fisher Scientific	1:1000
OxPhos	45-8099	Thermo Fisher Scientific	1:1000
Actin	sc-1616-r	Santa Cruz Biotechnology (Dallas, TX, USA)	1:200

Table S2. Detailed placental protein expression data. Data are presented as average \pm standard deviation.

** $p < 0.01$ vs NW

		average \pm standard deviation	<i>p</i>
Cyclophilin D	NW	1.75 \pm 2.17	n.s.
	OB_GDM(-)	1.89 \pm 2.03	
	OB_GDM(+)	1.32 \pm 0.44	
	OB_all	1.70 \pm 1.68	n.s.
Mitochondrial Complex I	NW	4.38 \pm 3.21	n.s.
	OB_GDM(-)	4.95 \pm 6.54	
	OB_GDM(+)	5.07 \pm 5.92	
	OB_all	5.00 \pm 6.19	n.s.
Mitochondrial Complex II	NW	7.61 \pm 10.74	n.s.
	OB_GDM(-)	9.21 \pm 13.93	
	OB_GDM(+)	16.63 \pm 29.32	
	OB_all	11.96 \pm 20.74	n.s.
Mitochondrial Complex III	NW	10.21 \pm 19.59	n.s.
	OB_GDM(-)	8.30 \pm 13.07	
	OB_GDM(+)	14.60 \pm 28.08	
	OB_all	10.64 \pm 19.69	n.s.
Mitochondrial Complex IV	NW	10.45 \pm 17.00	n.s.
	OB_GDM(-)	10.83 \pm 18.31	
	OB_GDM(+)	17.97 \pm 31.29	
	OB_all	13.47 \pm 23.61	n.s.
Mitochondrial Complex V	NW	4.71 \pm 2.86	p=0.05
	OB_GDM(-)	3.88 \pm 2.11	
	OB_GDM(+)	2.91 \pm 2.68**	
	OB_all	3.56 \pm 2.31	n.s.
SOD2	NW	10.32 \pm 9.85	n.s.
	OB_GDM(-)	7.24 \pm 5.16	
	OB_GDM(+)	5.18 \pm 4.15	
	OB_all	6.55 \pm 4.87	n.s.
PON2	NW	15.17 \pm 6.75	n.s.
	OB_GDM(-)	17.91 \pm 13.04	
	OB_GDM(+)	17.33 \pm 8.89	
	OB_all	17.71 \pm 11.65	n.s.
TXNIP	NW	13.87 \pm 12.27	

	OB_GDM(-)	20.82 ± 18.38	n.s.
	OB_GDM(+)	15.24 ± 17.08	
	OB_all	18.96 ± 17.83	n.s.