Supplementary Material

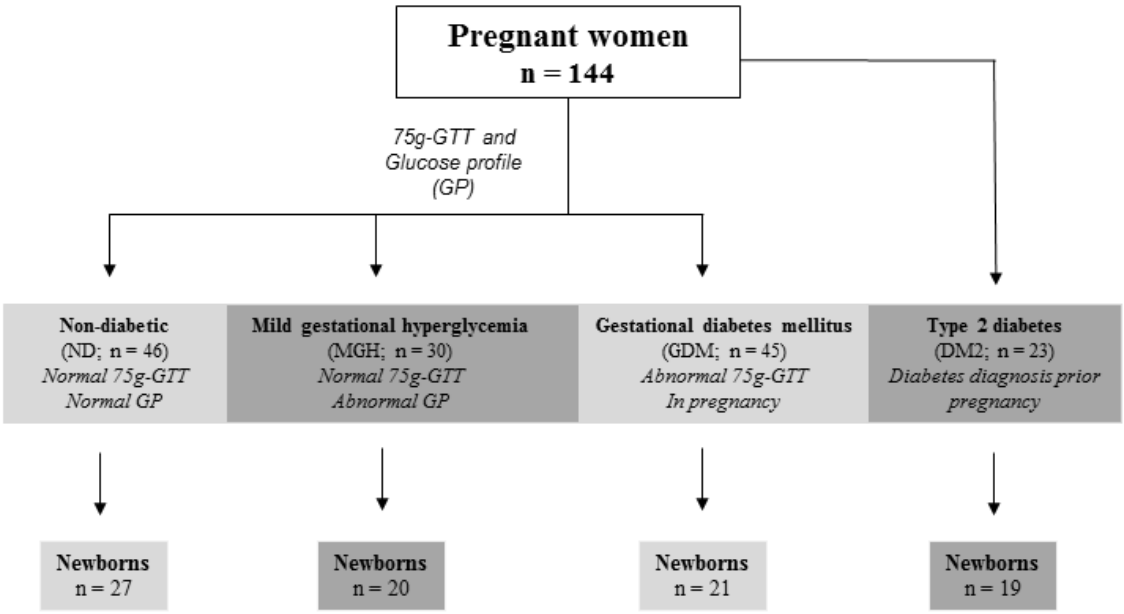

Figure S1. Study groups and sample size. The MGH and GDM diagnosis was established between 24th and 28th gestational weeks according the 75 g-GTT and glucose profile (GP) results. The DM2 were referred to the Diabetes and Pregnancy Service with a confirmed diagnosis.

Table S1: Gene targets, primers pairs and cycles for QPCR

Targets Genes	Fragment length	Primers Pairs	Cycles
Nuclear fragment Region near the β Globin gene	13.5 Kb	F: 5′-CGA GTA AGA GAC CAT TGT GGC AG-3′ (GI 48510)	75°C – 2 min 94°C - 1 min 94°C – 15 seg 64°C – 12 min 72°C – 10 min 21 cycles
		R: 5′-GCA CTG GCT TAG GAG TTG GAC T-3′ (GI 62007)	
Mitochodrial fragment	8.9 Kb	F: 5′-TCT AAG CCT CCT TAT TCG AGC CGA-3′ (GI5999)	75°C – 2 min 94°C - 1 min 94°C – 15 seg 64°C – 12 min 72°C – 10 min 17 cycles
		R: 5′-TTT CAT CAT GCG GAG ATG TTG GAT GG-3’ (GI14841)	
Normalize Mitochodrial small fragment	221bp	F: 5′-CCC CAC AAA CCC CAT TAC TAA ACC CA-3′ (GI14620)	75°C – 2 min 94°C - 1 min 60°C – 45 seg 72°C – 45 seg 72°C – 10 min 17 cycles
		R: 5′-TTT CAT CAT GCG GAG ATG TTG GAT GG-3′ (GI14841)	

F: foward; R: reverse

Table S2: Primers used for real-time PCR

Primer	Forward 5'-3'	Reverse 5′-3′	TM (°C)
hOGG1 (A)	GTGGACTCCCACTTCCAAGA	CGATGTTGTTGTTGGAGGAA	55
hOGG1 (B)	GTTCTGCCTTCTGGACAATCT	CCATACTTGATCCGCTAGTACAC	55
APE1	CTGCCTGGACTCTCTCATCAATAC	CCTCATCGCCTATGCCGTAAG	57
FEN1	CGGGCTGTGGACCTCATC	CAAGTCGCCGCACGAT	58
POLβ	GTGCAGAGTCCAGTGGTGACA	CAGTTTTGGCTGTTTGGTTGATT	57
GAPDH	CAAGAGCACAAGAGGAAGAGAG	CTACATGGCAACTGTGAGGAG	55

In hOGG1 analysis was tested two pairs of primers (A and B) and HS01114116_G1 OGG1 Taqman Assay (Applied Biosystems, Foster City, CA, USA). hOGG1 mRNA was not found in maternal or in newborns PBMC, differently from the assays using a choriocarcinoma cell line (BeWo, assay control, data not shown).