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## Sequences of primers and probes

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### Primers genotyping

GPR39WT (G1)	GCATGCCCATGGAGTTCTAC
GPR39WT (G3)	AGATGCTGGACTGGAAGACC
FmNEO (G2)	GATCGATCCGTCCTGTAAGTC

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### Primers for QPCR

FmrhYWHAZ	AGACGGAAGGTGCTGAGAAA
RmrhYWHAZ	GAAGCATTGGGGATCAAGAA
FmrhB-actin	TTCTACAATGAGCTGCGTGTG
RmrhB-actin	GGGGTGTGAAGGTCTCAA
FmrGPR39-1a	AGTGAGGAGAGCCGACAG
RmrGPR39-1a	CAGTCATGTTTGGGTTTTGC
FmrGLUT2	CCAGCCTGTGTATGCAACC
RmrGLUT2	TCCACAAGCAGCACAGAGAC
FmrGPR40	GAAGGCTCCTGGAGGAAGTT
RmrGPR40	CCAGTTCAGCGGCGGGGTTT
FmrGKC	GCAGAAGGGAACAACATCGT
FmrGKC	TCACATTGGCGGTCTTCATA
FmrHNF-1 $\alpha$	GGCCATGGACACCTATAACG
RmrHNF-1 $\alpha$	GTACCGTACACCGTGGACCT
FmPDx1	GAGGACCCGTA CTGCCTACA
RmrPDx1	GGCCGGGAGATGTATTTGTT
FmInsulin1/2	GTGAAGTGGAGGCCACAA
RmInsulin1/2	CAGCTGGTAGAGGGAGCAGA
FmGPR39KO	CTTTGCCATGGGTATCGAGT
RmrGPR39KO	CGTGCAGATGGACATATTGG

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### Probes for TaqMan assays

QPmrhYWHAZ	(HEX)AGA+TG+GC+TC+GA+GA+AT+ACA (BHQ1)
QPmrhB-actin	(HEX)TGA+T+C+TGGG+T+CA+T+CTT (BHQ1)
QPmrGPR39-1a	(6Fam)CAGA+CCAT+CAT+ATT+CCTG (BHQ1)
QPmGPR39KO	(6Fam)TTC+CAG+GTTT+CAT+CGT+GGTG (BHQ1)
QPmrGLUT2	(6Fam)CATC+AA+CATGAT+CTT+CA+CGGC (BHQ1)

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F: forward, R: reverse, P: probe, m: mouse, r: rat, h: human, LNA moieties are indicated by + before the nucleotide.

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