

SUPPLEMENTAL DATA

Supplemental Table 1. Primers used for various PCR and re-sequencing applications

Primer	Label at Figures	Sequence 5' - 3'	Product size (bp)	Reference
<i>Analysis of genomic DNA (Fig. 1b,c)</i>				
PCR primers				
<i>CGB5</i> long range PCR				
CGB5_long_F	A	CAGGAAAGCCTCAAGTAGAGGC	1757	1
CGB5_long_R	B	CGCTCGACGATGTTTTCTATTTT		1
<i>CGB8</i> long range PCR				
CGB8_long_F	C	CACGCCTGTAATTGTCGGAGGCTG T	8384	1
CGB8_long_R	D	GAAAAGAGAGTGAAGATGGGGGA CGAC		1
<i>CGB8</i> nested PCR				
CGB8_nest_F	E	TCCTTGGATGCCCATGTC	1604	1
CGB8_nest_R	F	TCTCCAGATCAACTCTCATGGAT		1
Re-sequencing primers				
<i>CGB5</i> gene				
CGB5_F_seq	I	GACCCACCATAGGCAGAG		2
CGB5_R_seq	J	CCTCCTTCCACAGCTCACAC		2
<i>CGB8</i> gene				
CGB8_F_seq	K	GTCACGCTCCTCCAGAAAGA		2
CGB8_R_seq	L	AGCACCTTTCTCGGGTCAC		3
<i>Analysis of mRNA transcripts (Fig. 2b)</i>				
cDNA amplification				
CGB5F	O	AGCACTTTGCTCGGGTCAC	791	2
CGB8F	P	AGCACCTTTCTCGGGTCAC		3
CGB8R	Q	GGCCTTTGAGGAAGAGGAGT		3
<i>Analysis of promoter methylation of CGB5 gene using methylation-sensitive PCR (Fig. 4a)</i>				
Met_BS_F	R	TGAGTTATCGATTATAGGGGGAGT T	557	2
Met_BS_R	S	ACCGTAACCCGAACAAAATACTA AAT		2
Unmet_BS_F	T	AATGAGTTATTGATTATAGGGGGA GTT	563	2
Unmet_BS_R2	U	AAAAACCATAACCCAAACAAAAT ACTAAAT		2
Met_BS_Nest_F	V	TGAAGTATACGTATTTTCGGGGAT C	281	2
Unmet_BS_Nest_F	Z	ATTTGAAGTATATGTATTTTGGG GATT	290	2

4 F, forward; R, reverse; Met, methylated target; Unmet, unmethylated target; BS, bisulfite treated target
5 References: 1 - Hallast et al. 2005 (15); 2 - this study; 3 - Rull et al. 2008 (28)

6

Supplemental Figure 1. Karyogram of the RM10 placental tissue indicates monosomy X (Turner syndrome; 45, X).

