

Additional file 3 - **Primers used in this study**

Selected imprinting of *INS* in the marsupial

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Gene	Primer	Primer sequence (5' to 3')	Reference
<i>INS</i>	cDNA exon2 Fw	TGACATGGCTCCCTGGTTGGC	a
	cDNA exon2/3 Rv	TCCGGCCTCACCCAACAGTG	
	cSeq RV	GGCGTGCTTTGGGAGTATAG	a
	gDNA Fw	GGACAGGAACCTGAGACTGG	[57]
	gDNA Rv	CTTGACATGGCTCCCTGG	
	gSeq RV	ACAGTGGCTGCTCAGCATC	a
	GSP1	(<i>INS</i> cSeq RV)	a
	GSP2	CCCCACACACCAGGTACAA	
	QPCR Fw	GCTGAGCAGCCACTGTTGGG	a
	QPCR Rv	TGGCCGCTAGTTGCAGTAAGTC	
	Probe	CAGTATCTGTTCCCTTTACCAGCTGGA	
	gDNA TSS Fw	GGTACCTCAGCTGTTATTGAGGAG	a
	gDNA TSS Rv	AAGACATGGATATAGAGGGGGCATA	
	B/S Fw	GGTATTTTAGTTGTTATTGAGGAGAG	a
B/S Rv	ACCACCCATAAATACCTAACTTCTC		
<i>TH-INS</i>	cDNA exon1 Fw	GCTCCATCTTCTTTTCTCACCTGTCTCT (<i>INS</i> cDNA exon2/3 Rv)	a
	cDNA Fw:	TTCGTGTCAGAGAGCTTTAGCGATG (<i>INS</i> cDNA exon2/3 Rv)	a
	gDNA CGI Fw	AAGAGGTTTGGTGACTTCCTGTCCT	a
	gDNA CGI Rv	TTAGCTCATAGCGTTGAGAGCATGG	
	gDNA TSS Fw	CCTCACCTGGACTCTGGTCTGACT	a
	gDNA TSS Rv	CCAGGCCAACAGTGAGGGTTC	
	B/S TSS Fw	TTTTTTGTTTGAGGAGTTAGAGATT	a
	B/S TSS Rv	ATATCCATACCAAACCTACCAAAC	
	B/S CGI Fw	GGTTTTTGTGTTTTTTGTGTGTTTT	a
	B/S CGI Rv	TAAACTCATCCTAAACCCCTTACA	
<i>IGF2</i>	Fw	AAGTAACCTGGGTTCCCTGCC	[68]
	Rv	CTCTTCTGCCGAAGGATGAC	a
	Seq Fw	GAGAGGGCCTCGCTACCAAC	a
	QPCR Fw	TGGGTTTCCCAATGAAGAAG	a
	QPCR Rv	GATTCAGGCGACGACTCAC	
<i>B-ACTIN</i>	Fw	TTGCTGACAGGATGCAGAAG	
	Rv	AAAGCCATGCCAATCTCATC	
<i>18S</i>	Fw	CGGCTACCACATCCAAGGAA	
	Rv	GCTGGAATTACCGCGGCT	
	Probe	TGCTGGCACCAGACTTGCCCTC	
<i>GAPDH</i>	Fw	CCTACTCCCAATGTATCTGTTGTGG	
	Rv	GGTGGAACTCCTTTTTTGACTGG	

Primers were designed for this study^a using Primer3 (v. 0.4.0) [84] or derived from the references shown.