

Supplementary Table 1A. Cynomolgus macaque and human primer probe sets used to generate custom Taqman-based assay for qRT-PCR.

Gene	Accession No. ^a	Species ^b		Primer/Probe Sequence (5' to 3') ^c
<i>ESR1</i>	DQ469336	Mf	F	TCACATGATCAACTGGGCAAAGA
			R	AGAAGGTGGACCTGATCATGGA
			P	CACAAAG _{cc} TGGCACCC
<i>ESR2</i>	HQ702565	Mf	F	GTATCTCTGTGTCAAGGCCATGAT
			R	CATCCTGGGTCGCTGTGA
			P	CCTGCTCAATTCC _{aa} TATGT
<i>PGR-B*</i>	-	Hs	F	GCCAGACCTCGGACACCTT
			R	CAGGGCCGAGGGAAGAGTAG
			P	CCTGAAGTTTCGGCCATACCTATCTCCCT
<i>TFF1</i>	DQ464113	Mf	F	GTGCTTCCATCCTAATACCATCGA
			R	GCAGATCCATGCAGAAGTGTCTAAA
			P	TCCCTCCAGAA _{ga} GGAGTGT
<i>CYP19</i>	DQ529980	Mf	F	CCCCAAACCAATGAATTTACTCTTG
			R	GGCCCAAAGCCAAATGGTT
			P	AAAGTACCTATAAGGAA _{ca} TTCTT
<i>HSD17B1</i>	DQ529983	Mf	F	CAGGCCTGGGCCTACTG
			R	CGTTCACGTCCAGCACAGA
			P	CCCACCGCCTCCAGC
<i>HSD17B2</i>	DQ529984	Mf	F	AAAGGAAGGCTGGTGAATGTCA
			R	ATGCCAGCTTTGCCATTGG
			P	CCCCT _{cc} TCCCATGCTG
			P	ATGTT _{cc} TGAGCTCTCG
<i>STS</i>	DQ529981	Mf	F	GGGATGCTGTTGAGGAAATGGA
			R	CCAATCTCAGCTCATCTAGAAGGTT
			P	ATCTGC _{cc} CACACTCC
<i>SULT1E1</i>	DQ529982	Mf	F	GAGAGAACGGGCCAGGTT
			R	CGAGAGGTGTCCTGGATCAG
			P	ATGTT _{cc} TGAGCTCTCG

Gene	Accession No. ^a	Species ^b	Primer/Probe Sequence (5' to 3') ^c
<i>CYP11A1</i>	D17575	Mf	F CCACAGCCACCTCCAAGATC
			R TGGCCGACATGGAGATTTCG
			P CCTACTGATCATGCTTTT
<i>CYP11B1</i>	AB179009	Mf	F CCGCGCTGCAGTGG
			R CACTCGAGCCTGCACATCA
			P CTCCTCTTCATCA gg TATCC
<i>CYP3A4</i>	S53047	Mf	F CACACCTTTGCCTTTATTGGGAAAT
			R AGCCCCACACTTTTCCATACTTTT
			P <i>Caa</i> ACGTCCAAAAGCC
<i>GAPDH</i>	DQ464111	Mf	F TGCCCTCAATGACCACTTTGTC
			R ACCCTGTTGCTGTAGCCAAAT
			P TCGTTGTCATA cc AGGAAAT
<i>ACTB</i>	DQ464112	Mf	F ACCCCAAGGCCAACCG
			R CCTGGATGGCCACGTACATG
			P AAGATGACCC Aga TCATG

^a Genbank identification code or cited reference. ^a*Hs*, *Homo sapiens*; *Mf*, *Macaca fascicularis* (cynomolgus macaque). ^c Bold letters indicate differences between macaque and human sequences. Italicized lowercase of base pairs indicate exon boundaries. Underlined sequence represents an 8-base deletion in the HSD17B1 pseudogene. F, forward primer; R, reverse primer; P, probe. Asterisk (*) indicates that the assay was based on that reported in Sakaguchi et al. *Gynecol Oncol*. 2004 May;93(2):394-9.

Supplementary Table 1B. Applied Biosystems (ABI) Taqman gene expression assays used in qRT-PCR

Gene ID	NCBI Accession no.	Species ^a	ABI assay ID
<i>PGR</i> ^b	XM_001095317.1	<i>Mm</i>	Rh02830094_m1
<i>GREB1</i>	XM_001089374.1	<i>Mm</i>	Rh02866842_m1

^a*Mm*, *Macaca mulatta* (rhesus macaque). ^b PGR was used to generate PGR-A expression level; quantification of PGR-A was done by subtraction of PGR-B (custom assay) from PGR, as previously described in Sakaguchi et al. *Gynecol Oncol*. 2004 May;93(2):394-9.