

Table 1. Q-PCR Primers

hFli1	forward	GGATGGCAAGGAACTGTGTAA
	reverse	GGTTGTATTATAGGCCAGCAGTG
hCOL1A2	forward	GATGTTGAACTTGTTGCTGAGG
	reverse	TCTTTCCCCATTCATTTGTCTT
hGAPDH	forward	GGTCTCCTCTGACTTCAACA
	reverse	AGCCAAATTCGTTGTCATAC
mFli1	forward	AGACCATGGGCAAGAACA
	reverse	GCCCCAGGATCTGATAAGG
mER $\alpha$	forward	GCTCCTAACTTGCTCCTGGAC
	reverse	CAGCAACATGTCAAAGATCTCC
mColl1a1	forward	GCCAAGAAGACATCCCTGAAG
	reverse	TGTGGCAGATACAGATCAAGC
mB2MG	forward	TCGCTCGGTGACCCTAGTCTTT
	reverse	ATGTTCGGCTTCCCATTCTCC

Table 2. Primers for the ER $\alpha$  Promoter Analysis.

A)

human ER $\alpha$	forward	GTCTGAGGCTGCGGCGTTCGGCTCC
	reverse	ATCCATAGCCATACTTCCCTTGTC

B)

Forward primer	A	CATGCGCTGCGTCGCTCTAA
	B	GCCCAGTCTTCCCTGGGC
	C	TCTCTCGGCCCTTGA CTTC
	D	GTGGGGCTGGAGACACATTCAACG
	E2	AGCCTCAAATATCTCCAAAATCT
	F	TTCTATAGCATAAGAAGACAG
Reverse primer		TTGCTGCTGTCCAGGTACAC

Table 3. Primers for CHIP analysis

ER $\alpha$ EBS (1300-1090)	forward	TGTTGGGTGTTTGGGATAGC
	reverse	GCACACGCACATACACACAC
ER $\alpha$ EBS (681-523)	forward	CAGAAGGTTGTGGAAGGGTC
	reverse	GAACTGACAGGGGGCATCTG
ER $\alpha$ EBS (458-298)	forward	TGCCCTATCTCGGTTACAGTG
	reverse	CGGCTTTCTCTAATGTGCTG
Negative control	forward	ATGGTTGCCACTGGGGATCT
	reverse	TGCCAAAGCCTAGGGGAAGA

Table 4. Oligonucleotides sequences used for DNA affinity precipitation assay.

ERA-WT375	Forward	CGTATTTCTAGCCAACGAGGAGGGGGAATCAAACAGAAAGAG
	Reverse	CTCTTTCTGTTTGATTCCCCCTCCTCGTTGGCTAGAAATACG
ERA-MUT375	Forward	CGTATTTCTAGCCAACGAGGAGGGGGCATCAAACAGAAAGAG
	Reverse	CTCTTTCTGTTTGATGCCCCCTCCTCGTTGGCTAGAAATACG
ERA-WT577	Forward	CTCCTGATGGCAAATGCAGCTCTTCCTATATGTATAACCTG
	Reverse	CAGGGTATACATATAGGAAGAGCTGCATTTTGCCATCAGGAG
ERA-MUT577	Forward	CTCCTGATGGCAAATGCAGCTTTTCCTATATGTATAACCTG
	Reverse	CAGGGTATACATATAGGAAAAGCTGCATTTTGCCATCAGGAG
ERA-WT630	Forward	CTACTTTGGGAGCATTTTGCAGAGGAAGAACTGAGGTCCTGGC
	Reverse	GCCAGGACCTCAGTTTCTTCCTCTGCAAATGCTCCCAAAGTAG
ERA-MUT630	Forward	CTACTTTGGGAGCATTTTGCAGAGGTAGAACTGAGGTCCTGGC
	Reverse	GCCAGGACCTCAGTTTCTACCTCTGCAAATGCTCCCAAAGTAG
ERA-WT1223	Forward	CAGAGTCTATTAGGCTGCAGCAAAGGAAGTTTATTCAAAG
	Reverse	CTTTTGAATAAACTTCCTTTGCTGCAGCCTAATAGACTCTG
ERA-MUT1223	Forward	CAGAGTCTATTAGGCTGCAGCAAAGGTAGTTTATTCAAAG
	Reverse	CTTTTGAATAAACTACCTTTGCTGCAGCCTAATAGACTCTG