

Common genes regulated by estradiol and raloxifene

Accession number	Gene
X97335	A kinase (PRKA) anchor protein 1
AL050025	adaptor-related protein complex 1, gamma 1 subunit
AB016811	ADP-ribosylation factor-like 7
AF043129	AF043129:untitled /cds=(0,1379)
L35594	autotaxin
AF037335	carbonic anhydrase XII
U67319	caspase 7, apoptosis-related cysteine protease
AA151971	cDNA clone IMAGE 588365
AA933984	cDNA DKFZp564B222
AL050173	chromosome 21 open reading frame 25
M20469	clathrin, light polypeptide (Lcb)
AF038198	clone 23928
AF070632	clone 24405
Y07593	coxsackie virus and adenovirus receptor
AI017574	cysteine-rich protein 1 (intestinal)
AF059611	ectodermal-neural cortex (with BTB-like domain)
M27826	endogenous retroviral protease
M14539	factor XIII subunit A
AF007139	fibronectin leucine rich transmembrane protein 1
M19481	follistatin
AF032885	forkhead protein
U29332	four and a half LIM domains 2
AJ011001	G protein-coupled receptor 56
AF062534	genethonin 1
AF023466	glycine-N-acyltransferase
D86962	growth factor receptor-bound protein 10
D87119	GS3955 protein
L13436	guanylate cyclase
AI200373	H2A histone family, member I
AF054589	HIC protein
AA522530	hypothetical protein
M62403	insulin-like growth factor-binding protein 4
U88964	interferon stimulated gene (20kD)
M29696	interleukin 7 receptor
M28225	JE gene encoding a monocyte secretory protein
AB020685	KIAA0878 protein
AB023227	KIAA1010 protein
AJ001683	killer cell lectin-like receptor subfamily C, member 4
U43328	link protein (cartilage linking protein 1)
L23808	matrix metalloproteinase 12 (macrophage elastase)
AB018342	myosin X
M32011	neutrophil oxidase factor (p67-phox)
M69043	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
tigr:HG4679- HT5104	Oncogene Ret/Ptc, Fusion Activated
tigr:HG4677- HT5102	Oncogene Ret/Ptc2, Fusion Activated
U30521	P311 protein

AB023209	palladin
AF022797	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4
Y17169	protein tyrosine kinase 9-like (A6-related protein)
S62035	Ras protein-specific guanine nucleotide-releasing factor 1
AF030107	regulator of G-protein signalling 13
D86988	regulator of nonsense transcripts 1
U73167	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B
M26683	small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je)
AF004841	surface glycoprotein, Ig superfamily member
AF050110	TGFB inducible early growth response
AA704137	Thy-1 cell surface antigen
M19154	transforming growth factor, beta 2
AF049910	transforming, acidic coiled-coil containing protein 1
M55153	transglutaminase
M77016	tropomodulin
tigr:HG620-HT620	Tyrosine Phosphatase, Epsilon
M34309	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3
AL021977	v-maf musculoaponeurotic fibrosarcoma (avian) oncogene family, protein F
M92843	zinc finger transcriptional regulator

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D31883	actin binding LIM protein 1
Y10183	activated leucocyte cell adhesion molecule
U02390	adenylyl cyclase-associated protein 2
X97324	adipose differentiation-related protein
M80899	AHNAK nucleoprotein (desmoyokin)
X05409	aldehyde dehydrogenase 2 family (mitochondrial)
X01683	alpha-1 antitrypsin
AF002282	alpha-actinin-2-associated LIM protein
K02215	angiotensinogen
N74607	aquaporin 3
AF091242	ATP sulfurylase/APS kinase 2
U78735	ATP-binding cassette, sub-family A (ABC1), member 3
X83467	ATP-binding cassette, sub-family D (ALD), member 3
U45878	baculoviral IAP repeat-containing 3
AB006757	BH-protocadherin (brain-heart)
U43842	bone morphogenetic protein 4
M60314	bone morphogenetic protein 5
X56667	calbindin 2, (29kD, calretinin)
AF038852	calcium channel, voltage-dependent, beta 4 subunit
U66063	calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma
J03037	carbonic anhydrase II
X51405	carboxypeptidase E
M83667	CCAAT/enhancer binding protein (C/EBP), delta
AB015629	CD209 antigen-like
Z11697	CD83 antigen (activated B lymphocytes, immunoglobulin superfamily)
AI222594	cDNA clone IMAGE 1839416

AL080192	cDNA DKFZp434B102
AL049250	cDNA DKFZp564D113
AL049941	cDNA DKFZp564E2222
AL050227	cDNA DKFZp586M0723
W26667	cDNA FLJ14821 fis, clone OVARC1000556
AA156240	cDNA: FLJ22182 fis, clone HRC00953
AB007969	chromosome 1 specific transcript KIAA0500
M82882	cis-acting sequence
X81637	clathrin light chain b
U79293	clone 23948
L25286	collagen, type XV, alpha 1
X78947	connective tissue growth factor
U04636	cyclooxygenase-2
X70377	cystatin D
AI017574	cysteine-rich protein 1 (intestinal)
X13589	cytochrome P450, subfamily XIX (aromatization of androgens)
Y17282	cytokeratin type II
AB007860	development and differentiation enhancing factor 2
AL080156	DKFZP434J214 protein
AL050024	DKFZP564D206 protein
AA143321	DKFZP586M1523 protein
X68277	dual specificity phosphatase 1
AI810807	dynein, cytoplasmic, intermediate polypeptide 1
U80811	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2
L36645	EphA4
L25879	epoxide hydrolase 1, microsomal (xenobiotic)
W28438	ESTs
M55267	EV12 protein
D88308	fatty-acid-Coenzyme A ligase, very long-chain 1
M87770	fibroblast growth factor receptor (K-sam)
AB007865	fibronectin leucine rich transmembrane protein 2
M88279	FK506-binding protein 4 (59kD)
AB011126	formin-binding protein 17
L37882	frizzled (Drosophila) homolog 2
AB017365	frizzled (Drosophila) homolog 7
AF056085	G protein-coupled receptor 51
U10991	G2 protein
AB007296	GLI-Kruppel family member GLI2
AI703188	G-protein coupled receptor
L13698	growth arrest-specific 1
U19523	GTP cyclohydrolase 1 (dopa-responsive dystonia)
tigr:HG1103-HT1103	Guanine Nucleotide-Binding Protein Ral, Ras-Oncogene Related
U70370	hindlimb expressed homeobox protein backfoot (Bft)
U54804	hyaluronan synthase 2
U05659	hydroxysteroid (17-beta) dehydrogenase 3
L27560	insulin-like growth factor binding protein
M65062	insulin-like growth factor binding protein 5
M62402	insulin-like growth factor binding protein 6
X58377	interleukin 11
AF031167	interleukin 15

M17017	interleukin 8
X56681	jun D proto-oncogene
M20812	kappa-immunoglobulin germline pseudogene (cos118) variable region (subgroup V kappa I)
X07696	keratin 15
Y00503	keratin 19
AB002352	KIAA0354 gene product
AB002366	KIAA0368 protein
AB007916	KIAA0447 gene product
AB007940	KIAA0471 gene product
AB011147	KIAA0575 gene product
AB018347	KIAA0804 protein
AB023158	KIAA0941 protein
AB023169	KIAA0952 protein
AB028957	KIAA1034 protein
AB029025	KIAA1102 protein
S78569	laminin, alpha 4
M15856	lipoprotein lipase
AD000684	liver-specific bHLH-Zip transcription factor
L16895	lysyl oxidase
U68019	MAD (mothers against decapentaplegic, Drosophila) homolog 3
U16261	MDA-7 (interleukin 24)
U71087	mitogen-activated protein kinase kinase 5
U72263	multiple exostoses type II protein EXT2.I
U67368	multiple exostosis 2 (EXT2)
AA631972	natural killer cell transcript 4
AJ011896	Nef-associated factor 1
U79299	neuroblastoma (nerve tissue) protein
X15306	neurofilament, heavy polypeptide (200kD)
X70991	NGFI-A binding protein 2 (EGR1 binding protein 2)
U08021	nicotinamide N-methyltransferase
AA203138	NPD009 protein
U85193	nuclear factor I/B
X84373	nuclear receptor interacting protein 1
X00737	nucleoside phosphorylase
tigr:HG2724-HT2820	Oncogene Tls/Chop, Fusion Activated
AB008822	osteoclastogenesis inhibitory factor
AF012281	PDZ domain containing 1
D90070	phorbol-12-myristate-13-acetate-induced protein 1
L20971	phosphodiesterase 4B, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E4)
X97675	plakophilin 2
X02419	plasminogen activator, urokinase
Z54367	plectin 1, intermediate filament binding protein, 500kD
X00948	prepro-relaxin H2
U84573	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2
Y07909	Progression Associated Protein
D86096	prostaglandin E receptor EP3 subtype
U47924	protein "A"
D87930	protein phosphatase 1, regulatory (inhibitor) subunit 12A
X97198	protein tyrosine phosphatase, receptor type, U
U61836	putative cyclin G1 interacting protein

D38449	putative G protein coupled receptor
AB023061	RAB36, member RAS oncogene family
AL049538	ras association (RalGDS/AF-6) domain containing protein JC265
AF117829	receptor-interacting serine-threonine kinase 2
AL050011	retinoic acid induced 14
AF095448	retinoic acid induced 3
M64936	retinoic acid-inducible endogenous retroviral DNA
X00129	retinol-binding protein 4, plasma
D37931	ribonuclease, RNase A family, 4
AB022663	ring finger protein 14
S62138	S62138:TLS/CHOP=hybrid gene {translocation breakpoint} [human, myxoid liposarcomas cells, mRNA Mutant, 1682 nt]
AA829286	serum amyloid A1
AF059617	serum-inducible kinase
A1337192	SH3 domain binding glutamic acid-rich protein
L13972	sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase)
U43899	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1
AB018249	small inducible cytokine subfamily A (Cys-Cys), member 16
Y11251	splicing factor, arginine/serine-rich 2, interacting protein
Z46629	SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)
AF065389	tetraspan 5
X89750	TGFB-induced factor (TALE family homeobox)
L40387	thyroid receptor interactor (TRIP14)
U19261	TNF receptor-associated factor 1
U59863	TRAF-interacting protein I-TRAF
D38305	transducer of ERBB2, 1
X70340	transforming growth factor, alpha
U66061	trypsinogen C
X06956	tubulin, alpha 1 (testis specific)
M17589	tyrosine hydroxylase
AA883502	ubiquitin-conjugating enzyme E2L 6
U41514	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)
Y09008	uracil-DNA glycosylase
AF070523	vitamin A responsive; cytoskeleton related
AF100780	WNT1 inducible signaling pathway protein 2 (WISP-2)
AF084481	Wolfram syndrome 1 (wolframin)
Y09538	zinc finger protein 185 (LIM domain)
AA635153	zinc finger protein 79 (pT7)

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AJ225089	2'-5'-oligoadenylate synthetase-like
X57830	5-hydroxytryptamine receptor 2A
AB014511	ATPase, Class II, type 9A
U66676	ATP-binding cassette, sub-family B (MDR/TAP), member 9
X91249	ATP-binding cassette, sub-family G (WHITE), member 1
AC004010	BAC clone GS1-99H8
AF042166	beta-filamin

AB006755	BH-protocadherin (brain-heart)
X51801	bone morphogenetic protein 7 (osteogenic protein 1)
AB005298	brain-specific angiogenesis inhibitor 2
M34064	cadherin 2, type 1, N-cadherin (neuronal)
M23254	calpain 2, (m/II) large subunit
AL049851	caspase recruitment domain protein 10
X52560	CCAAT/enhancer binding protein (C/EBP), beta
AL109724	cDNA clone EUROIMAGE 417629
N90755	cDNA clone IMAGE 302798
AA532495	cDNA clone IMAGE 996282
AL080082	cDNA DKFZp564G1162
AL049949	cDNA DKFZp564L0822
AL050002	cDNA DKFZp564O222
AL050159	cDNA DKFZp586A0522
AL050122	cDNA DKFZp586E121
AL080111	cDNA DKFZp586G2222
AL050151	cDNA DKFZp586J0720
AL049432	cDNA DKFZp586J231
AL049471	cDNA DKFZp586N012
A1694317	CGG triplet repeat binding protein 1
AF007132	clone 23551
AF007150	clone 23767 and 23782 mRNA sequences
AF038172	clone 23923
AF070648	clone 24651
AF052169	clone 24775
M64349	cyclin D1
AB015051	death-associated protein 6
AL080235	DKFZP586E1621 protein
A1640861	dynein, cytoplasmic, light intermediate polypeptide 2
U03877	EGF-containing fibulin-like extracellular matrix protein 1
X52001	endothelin 3
X51956	ENO2 gene for neuron specific (gamma) enolase
M60459	erythropoietin receptor
W28612	ESTs
U09278	fibroblast activation protein, alpha
AJ008112	formin-like
AB012911	frizzled (Drosophila) homolog 6
U67784	G protein-coupled receptor
L15388	G protein-coupled receptor kinase 5
M62400	gamma-aminobutyric acid receptor type A rho-1 subunit
M97347	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)
X76648	glutaredoxin (thioltransferase)
U33267	glycine receptor, beta
X54232	glypican 1
M11717	heat shock 70kD protein 1A
M59830	heat shock 70kD protein 1B
X78565	hexabrachion (tenascin C, cytotactin)
X92518	high-mobility group (nonhistone chromosomal) protein isoform I-C
AF093264	Homer, neuronal immediate early gene, 2
AA149431	hypothetical protein DKFZp761F2014

X77956	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
U01062	inositol 1,4,5-triphosphate receptor, type 3
U96922	inositol polyphosphate-4-phosphatase, type II, 105kD
AB006537	interleukin 1 receptor accessory protein
X52425	interleukin 4 receptor
M13903	involucrin
M14660	ISG-54K gene (interferon stimulated gene) encoding a 54 kDA protein
AB011109	KIAA0537 gene product
AB020650	KIAA0843 protein
AB020676	KIAA0869 protein
W52003	KIAA1237 protein
AJ001684	killer cell lectin-like receptor subfamily C, member 2 (NKG2C)
M94362	lamin B2
M55210	laminin B2 chain
AB023206	Leman coiled-coil protein
AI762213	lipocalin 2 (oncogene 24p3)
U21128	lumican
X70326	macrophage myristoylated alanine-rich C kinase substrate
AF010193	MAD (mothers against decapentaplegic, Drosophila) homolog 7
D55649	mannosidase, alpha, class 2A, member 2
U10693	melanoma antigen, family A, 8
U37283	Microfibril-associated glycoprotein-2
X69433	mitochondrial isocitrate dehydrogenase (NADP+)
AI597616	mitochondrial ribosomal protein L33
AI688516	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8)
X05608	neurofilament, light polypeptide (68kD)
U08021	nicotinamide N-methyltransferase
U97669	Notch (Drosophila) homolog 3
X64318	nuclear factor, interleukin 3 regulated
X77548	nuclear receptor coactivator 4
X12794	nuclear receptor subfamily 2, group F, member 6
AL039458	ortholog of mouse integral membrane glycoprotein LIG-1
AL023553	ortholog of rat pippin
AF052124	osteopontin
AF010315	p53-induced protein
AF017786	phosphatidic acid phosphohydrolase homolog (Dri42)
M16750	pim-1 oncogene
M21574	platelet-derived growth factor receptor, alpha polypeptide
J03278	platelet-derived growth factor receptor, beta polypeptide
U97519	podocalyxin-like
D15049	protein tyrosine phosphatase precursor
M68941	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)
X54134	protein tyrosine phosphatase, receptor type, E
D64053	protein tyrosine phosphatase, receptor type, R
U90920	PTPL1-associated RhoGAP 1
U59877	RAB31, member RAS oncogene family
S81914	radiation-inducible immediate-early gene
M14949	R-ras
AI800578	S-adenosylhomocysteine hydrolase-like 1
AF024636	serine/threonine kinase 24 (Ste20, yeast homolog)

Y10032	serum/glucocorticoid regulated kinase
X75342	SHB adaptor protein (a Src homology 2 protein)
U48508	skeletal muscle ryanodine receptor
U64197	small inducible cytokine subfamily A (Cys-Cys), member 20
M20681	solute carrier family 2 (facilitated glucose transporter), member 3
AF057164	solute carrier family 22 (organic cation transporter), member 5
AF015926	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1
Z48199	syndecan 1
AJ006973	target of myb1 (chicken) homolog
M99435	transducin-like enhancer of split 1, homolog of Drosophila E(sp1)
X14885	transforming growth factor, beta 3
D50683	transforming growth factor, beta receptor II (70-80kD)
M34057	transforming growth factor-beta 1 binding protein
M77349	transforming growth factor-beta induced gene product (BIGH3)
AI743134	trinucleotide repeat containing 3
M19267	tropomyosin 1 (alpha)
U43916	tumor-associated membrane protein homolog
AL050108	WD repeat domain 1

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U05659	hydroxysteroid (17-beta) dehydrogenase 3

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Y00503	keratin 19
AB002352	KIAA0354 gene product
AB002366	KIAA0368 protein
AB007916	KIAA0447 gene product
AB007940	KIAA0471 gene product
AB011147	KIAA0575 gene product
AB018347	KIAA0804 protein
AB023158	KIAA0941 protein
AB023169	KIAA0952 protein
AB028957	KIAA1034 protein
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AB018342	myosin X
AA631972	natural killer cell transcript 4
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U79299	neuroblastoma (nerve tissue) protein
X70991	NGFI-A binding protein 2 (EGR1 binding protein 2)
AA203138	NPD009 protein
U85193	nuclear factor I/B
X84373	nuclear receptor interacting protein 1
tigr:HG2724-HT2820	Oncogene Tls/Chop, Fusion Activated
AB008822	osteoclastogenesis inhibitory factor
U30521	P311 protein
AF012281	PDZ domain containing 1
D90070	phorbol-12-myristate-13-acetate-induced protein 1
X97675	plakophilin 2
X02419	plasminogen activator, urokinase
X00948	prepro-relaxin H2
U84573	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase) 2
D86096	prostaglandin E receptor EP3 subtype
D87930	protein phosphatase 1, regulatory (inhibitor) subunit 12A
X97198	protein tyrosine phosphatase, receptor type, U
U61836	putative cyclin G1 interacting protein
D38449	putative G protein coupled receptor

AB023061	RAB36, member RAS oncogene family
AF117829	receptor-interacting serine-threonine kinase 2
U32331	regulated in glioma
AL050011	retinoic acid induced 14
AF095448	retinoic acid induced 3
M64936	retinoic acid-inducible endogenous retroviral DNA
X00129	retinol-binding protein 4, plasma
D37931	ribonuclease, RNase A family, 4
AB022663	ring finger protein 14
S62138	S62138:TLS/CHOP=hybrid gene {translocation breakpoint} [human, myxoid liposarcomas cells, mRNA Mutant, 1682 nt]
AA829286	serum amyloid A1
AF059617	serum-inducible kinase
A1337192	SH3 domain binding glutamic acid-rich protein
L13972	sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase)
U43899	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1
M26683	small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je)
AB018249	small inducible cytokine subfamily A (Cys-Cys), member 16
AF004841	surface glycoprotein, Ig superfamily member
AF065389	tetraspan 5
AF050110	TGFB inducible early growth response
X89750	TGFB-induced factor (TALE family homeobox)
AA704137	Thy-1 cell surface antigen
L40387	thyroid receptor interactor (TRIP14)
U19261	TNF receptor-associated factor 1
U59863	TRAF-interacting protein I-TRAF
U66061	trypsinogen C
X06956	tubulin, alpha 1 (testis specific)
M17589	tyrosine hydroxylase
AA883502	ubiquitin-conjugating enzyme E2L 6
U41514	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 1 (GalNAc-T1)
Y09008	uracil-DNA glycosylase
M34309	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3
AF070523	vitamin A responsive; cytoskeleton related
AF100780	WNT1 inducible signaling pathway protein 2 (WISP-2)
AF084481	Wolfram syndrome 1 (wolframin)
Y09538	zinc finger protein 185 (LIM domain)

Unique genes regulated by tamoxifen, but not estradiol

Accession number	Gene
AJ225089	2'-5'-oligoadenylate synthetase-like
X57830	5-hydroxytryptamine receptor 2A
D88674	antizyme inhibitor
AB014511	ATPase, Class II, type 9A
AC004010	BAC clone GS1-99H8
AB004066	basic helix-loop-helix domain containing, class B, 2
M90357	basic transcription factor 3a
AF042166	beta-filamin
X51801	bone morphogenetic protein 7 (osteogenic protein 1)

X60201	brain-derived neurotrophic factor
AL050089	bromodomain adjacent to zinc finger domain, 1A
AB002803	BTB and CNC homology 1, basic leucine zipper transcription factor 1
D21255	cadherin 11, type 2, OB-cadherin (osteoblast)
M34064	cadherin 2, type 1, N-cadherin (neuronal)
M23254	calpain 2, (m/II) large subunit
X52560	CCAAT/enhancer binding protein (C/EBP), beta
AF098641	CD44 isoform RC (CD44) mRNA, complete cds
AL109681	cDNA clone EUROIMAGE 112333
AI743745	cDNA clone IMAGE 2368811
N90755	cDNA clone IMAGE 302798
AA216639	cDNA clone IMAGE 649765
AL049265	cDNA DKFZp564F053
AL080082	cDNA DKFZp564G1162
AL080093	cDNA DKFZp564N1662
AL080232	cDNA DKFZp586A061
AL050122	cDNA DKFZp586E121
AL080111	cDNA DKFZp586G2222
AL050151	cDNA DKFZp586J0720
AL049432	cDNA DKFZp586J231
AL049471	cDNA DKFZp586N012
X05360	cell division cycle 2, G1 to S and G2 to M
M10905	cellular fibronectin (fibronectin 1)
AB007972	chromosome 1 specific transcript KIAA0503
AF009426	chromosome 18 open reading frame 1
AF007150	clone 23767 and 23782 mRNA sequences
AF038172	clone 23923
AF070648	clone 24651
J02931	coagulation factor III (thromboplastin, tissue factor)
Y15915	collagen, type I, alpha 1
X14420	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)
X52022	collagen, type VI, alpha 3
J04177	collagen, type XI, alpha 1
M64349	cyclin D1
U46692	cystatin B (stefin B)
H87920	cytochrome P450, subfamily XXVIA, polypeptide 1
U41387	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21
AB015051	death-associated protein 6
AL050190	DKFZP586B0923 protein
AL080235	DKFZP586E1621 protein
M67439	dopamine receptor D5
U03877	EGF-containing fibulin-like extracellular matrix protein 1
U70312	EGF-like repeats and discoidin I-like domains 3
AF027299	erythrocyte membrane protein band 4.1-like 2
AI808712	ESTs
W28612	ESTs
D10040	fatty-acid-Coenzyme A ligase, long-chain 2
U09278	fibroblast activation protein, alpha
tigr:HG3044-HT3742	Fibronectin, Alt. Splice 1
AJ012737	filamin C, gamma (actin-binding protein-280)

AF061034	FIP2 alternatively translated mRNA
tigr:HG1139-HT4910	Fk506-Binding Protein, Alt. Splice 2
AF089750	flotillin 1
AF078096	forkhead box C1
AJ008112	formin-like
AB012911	frizzled (Drosophila) homolog 6
U67784	G protein-coupled receptor
L15388	G protein-coupled receptor kinase 5
M69199	G0S2 (putative lymphocyte G0/G1 switch gene)
M60091	galactose-1-phosphate uridylyltransferase
X52947	gap junction protein, alpha 1, 43kD (connexin 43)
J03060	glucocerebrosidase
X03674	glucose-6-phosphate dehydrogenase
U08997	Glutamate dehydrogenase-2
U33267	glycine receptor, beta
X54232	glypican 1
X03473	H1 histone family, member 0
AF093264	Homer, neuronal immediate early gene, 2
AL031781	homolog of mouse quaking QKI (KH domain RNA binding protein)
AA675900	Huntingtin-interacting protein A
AB015331	hypothetical protein DKFZp434P0116
AA195301	hypothetical protein MGC2574
X77956	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
U01062	inositol 1,4,5-triphosphate receptor, type 3
S62539	insulin receptor substrate 1
AA477898	integral membrane protein 2B
X52425	interleukin 4 receptor
M13903	involucrin
M14660	ISG-54K gene (interferon stimulated gene) encoding a 54 kDa protein
M13143	kallikrein B, plasma (Fletcher factor) 1
M26326	keratin 18
D31888	KIAA0071 protein
D42043	KIAA0084 protein
D14659	KIAA0103 gene product
D80011	KIAA0189 gene product
AB020650	KIAA0843 protein
AB023152	KIAA0935 protein
W52003	KIAA1237 protein
AJ001685	killer cell lectin-like receptor subfamily C, member 3 (NKG2E)
X65873	kinesin family member 5B
M94362	lamin B2
M55210	laminin B2 chain
AB011105	laminin, alpha 5
M34057	latent transforming growth factor beta binding protein 1
Z37976	latent transforming growth factor beta binding protein 2
AB006780	lectin, galactoside-binding, soluble, 3 (galectin 3)
U69609	leucine rich repeat (in FLII) interacting protein 1
X70326	macrophage myristoylated alanine-rich C kinase substrate
AF010193	MAD (mothers against decapentaplegic, Drosophila) homolog 7
J05070	matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase)

U10693	melanoma antigen, family A, 8
U41766	metalloprotease/disintegrin/cysteine-rich protein precursor
X69433	mitochondrial isocitrate dehydrogenase (NADP+)
A1597616	mitochondrial ribosomal protein L33
D14812	MORF-related gene X
D83699	neuronal death protein
AF045451	NGFI-A binding protein 1 (EGR1 binding protein 1)
X64318	nuclear factor, interleukin 3 regulated
X77548	nuclear receptor coactivator 4
D16815	nuclear receptor subfamily 1, group D, member 2
U60805	oncostatin M receptor
AL039458	ortholog of mouse integral membrane glycoprotein LIG-1
AL023553	ortholog of rat pippin
AF052124	osteopontin
AF010315	p53-induced protein
M24351	parathyroid hormone-like protein
D49396	peroxiredoxin 3
AB006746	phospholipid scramblase 1
M26167	platelet factor 4 variant 1
M57399	pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)
U97519	podocalyxin-like
Z29505	poly(rC)-binding protein 1
D50312	potassium inwardly-rectifying channel, subfamily J, member 8
AF006010	progesterone induced protein
U09759	protein kinase (JNK2)
U68111	protein phosphatase inhibitor 2
D15049	protein tyrosine phosphatase precursor
M68941	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)
X54134	protein tyrosine phosphatase, receptor type, E
U90920	PTPL1-associated RhoGAP 1
U59877	RAB31, member RAS oncogene family
M28215	RAB5A, member RAS oncogene family
S81914	radiation-inducible immediate-early gene
M23379	RAS p21 protein activator (GTPase activating protein) 1
AL043108	ras-like protein
AF045229	regulator of G-protein signalling 10
A1267373	regulator of G-protein signalling 4
D86988	regulator of nonsense transcripts 1
D84111	RNA-binding protein gene with multiple splicing
R59606	S-adenosylhomocysteine hydrolase-like 1
Y18264	sal (Drosophila)-like 1
AB000220	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C
AF024636	serine/threonine kinase 24 (Ste20, yeast homolog)
X75342	SHB adaptor protein (a Src homology 2 protein)
U48508	skeletal muscle ryanodine receptor
M20681	solute carrier family 2 (facilitated glucose transporter), member 3
AL022326	synaptogyrin 1
AF000652	syndecan binding protein (syntenin)
L08850	synuclein, alpha (non A4 component of amyloid precursor)
M62424	thrombin (coagulation factor II) receptor

X14787	thrombospondin 1
M90657	transmembrane 4 superfamily member 1
M19267	tropomyosin 1 (alpha)
D13413	tumor-associated 120 kDa nuclear protein
U43916	tumor-associated membrane protein homolog
AF049891	tyrosylprotein sulfotransferase 2
AF055376	v-maf musculoaponeurotic fibrosarcoma (avian) oncogene homolog
V00568	v-myc avian myelocytomatosis viral oncogene homolog
AL050108	WD repeat domain 1

Common genes regulated by raloxifene and tamoxifen

Accession number	Gene
AJ225089	2'-5'-oligoadenylate synthetase-like
X57830	5-hydroxytryptamine receptor 2A
AL050025	adaptor-related protein complex 1, gamma 1 subunit
AB014511	ATPase, Class II, type 9A
AC004010	BAC clone GS1-99H8
AF042166	beta-filamin
X51801	bone morphogenetic protein 7 (osteogenic protein 1)
M34064	cadherin 2, type 1, N-cadherin (neuronal)
M23254	calpain 2, (m/II) large subunit
AF037335	carbonic anhydrase XII
U67319	caspase 7, apoptosis-related cysteine protease
X52560	CCAAT/enhancer binding protein (C/EBP), beta
N90755	cDNA clone IMAGE 302798
AA151971	cDNA clone IMAGE 588365
AL080082	cDNA DKFZp564G1162
AL050122	cDNA DKFZp586E121
AL080111	cDNA DKFZp586G2222
AL050151	cDNA DKFZp586J0720
AL049432	cDNA DKFZp586J231
AL049471	cDNA DKFZp586N012
AL050173	chromosome 21 open reading frame 25
M20469	clathrin, light polypeptide (Lcb)
AF007150	clone 23767 and 23782 mRNA sequences
AF038172	clone 23923
AF038198	clone 23928
AF070632	clone 24405
AF070648	clone 24651
M64349	cyclin D1
AB015051	death-associated protein 6
AL080235	DKFZP586E1621 protein
AF059611	ectodermal-neural cortex (with BTB-like domain)
U03877	EGF-containing fibulin-like extracellular matrix protein 1
M27826	endogenous retroviral protease
W28612	ESTs
M14539	factor XIII subunit A
U09278	fibroblast activation protein, alpha
AF007139	fibronectin leucine rich transmembrane protein 1
M19481	folliculin
AF032885	forkhead box O1A (rhabdomyosarcoma)
AJ008112	formin-like
U29332	four and a half LIM domains 2
AB012911	frizzled (Drosophila) homolog 6
U67784	G protein-coupled receptor
AJ011001	G protein-coupled receptor 56
L15388	G protein-coupled receptor kinase 5
U33267	glycine receptor, beta
AF023466	glycine-N-acyltransferase

X54232	glypican 1
D87119	GS3955 protein
L13436	guanylate cyclase
AF054589	HIC protein
AF093264	Homer, neuronal immediate early gene, 2
AA522530	hypothetical protein
X77956	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
U01062	inositol 1,4,5-triphosphate receptor, type 3
U20982	insulin-like growth factor-binding protein 4
U88964	interferon stimulated gene (20kD)
X52425	interleukin 4 receptor
M29696	interleukin 7 receptor
M13903	involucrin
M14660	ISG-54K gene (interferon stimulated gene) encoding a 54 kDA protein
AB020650	KIAA0843 protein
AB020685	KIAA0878 protein
AB023227	KIAA1010 protein
W52003	KIAA1237 protein
AJ001683	killer cell lectin-like receptor subfamily C, member 4
M94362	lamin B2
M55210	laminin B2 chain
U43328	link protein (cartilage linking protein 1)
AI762213	lipocalin 2 (oncogene 24p3)
X70326	macrophage myristoylated alanine-rich C kinase substrate
AF010193	MAD (mothers against decapentaplegic, Drosophila) homolog 7
U10693	melanoma antigen, family A, 8
X69433	mitochondrial isocitrate dehydrogenase (NADP+)
AI597616	mitochondrial ribosomal protein L33
M32011	neutrophil oxidase factor (p67-phox)
U08021	nicotinamide N-methyltransferase
M69043	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
X64318	nuclear factor, interleukin 3 regulated
X77548	nuclear receptor coactivator 4
tigr:HG4679- HT5104	Oncogene Ret/Ptc, Fusion Activated
tigr:HG4677- HT5102	Oncogene Ret/Ptc2, Fusion Activated
AL039458	ortholog of mouse integral membrane glycoprotein LIG-1
AL023553	ortholog of rat pippin
AF052124	osteopontin
AF010315	p53-induced protein
AB023209	palladin
U97519	podocalyxin-like
AF022797	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4
Y17169	protein tyrosine kinase 9-like (A6-related protein)
D15049	protein tyrosine phosphatase precursor
M68941	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)
X54134	protein tyrosine phosphatase, receptor type, E
U90920	PTPL1-associated RhoGAP 1
U59877	RAB31, member RAS oncogene family
S81914	radiation-inducible immediate-early gene

S62035	Ras protein-specific guanine nucleotide-releasing factor 1
AF045229	regulator of G-protein signalling 10
AF030107	regulator of G-protein signalling 13
D86988	regulator of nonsense transcripts 1
U73167	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B
AF024636	serine/threonine kinase 24 (Ste20, yeast homolog)
X75342	SHB adaptor protein (a Src homology 2 protein)
U48508	skeletal muscle ryanodine receptor
M20681	solute carrier family 2 (facilitated glucose transporter), member 3
M19154	transforming growth factor, beta 2
M34057	transforming growth factor-beta 1 binding protein
AF049910	transforming, acidic coiled-coil containing protein 1
M55153	transglutaminase
M77016	tropomodulin
M19267	tropomyosin 1 (alpha)
U43916	tumor-associated membrane protein homolog
tigr:HG620-HT620	Tyrosine Phosphatase, Epsilon
AL021977	v-maf musculoaponeurotic fibrosarcoma (avian) oncogene family, protein F
AL050108	WD repeat domain 1
M92843	zinc finger transcriptional regulator

Unique genes regulated by raloxifene , but not tamoxifen

Accession number	Gene
X97335	A kinase (PRKA) anchor protein 1
AB016811	ADP-ribosylation factor-like 7
AF043129	AF043129:untitled /cds=(0,1379)
U66676	ATP-binding cassette, sub-family B (MDR/TAP), member 9
X91249	ATP-binding cassette, sub-family G (WHITE), member 1
L35594	autotaxin
AB006755	BH-protocadherin (brain-heart)
AB005298	brain-specific angiogenesis inhibitor 2
AL049851	caspase recruitment domain protein 10
AL109724	cDNA clone EUROIMAGE 417629
AA532495	cDNA clone IMAGE 996282
AA933984	cDNA DKFZp564B222
AL049949	cDNA DKFZp564L0822
AL050002	cDNA DKFZp564O222
AL050159	cDNA DKFZp586A0522
A1694317	CGG triplet repeat binding protein 1
AF052169	clone 24775
Y07593	coxsackie virus and adenovirus receptor
A1017574	cysteine-rich protein 1 (intestinal)
A1640861	dynein, cytoplasmic, light intermediate polypeptide 2
X52001	endothelin 3
X51956	ENO2 gene for neuron specific (gamma) enolase
M60459	erythropoietin receptor
M62400	gamma-aminobutyric acid receptor type A rho-1 subunit
AF062534	genethonin 1
M97347	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)

X76648	glutaredoxin (thioltransferase)
D86962	growth factor receptor-bound protein 10
AI200373	H2A histone family, member I
M11717	heat shock 70kD protein 1A
M59830	heat shock 70kD protein 1B
X78565	hexabrachion (tenascin C, cytotactin)
X92518	high-mobility group (nonhistone chromosomal) protein isoform I-C
AA149431	hypothetical protein DKFZp761F2014
U96922	inositol polyphosphate-4-phosphatase, type II, 105kD
AB006537	interleukin 1 receptor accessory protein
M28225	JE gene encoding a monocyte secretory protein
AB011109	KIAA0537 gene product
AB020676	KIAA0869 protein
AJ001684	killer cell lectin-like receptor subfamily C, member 2 (NKG2C)
AB023206	Leman coiled-coil protein
U21128	lumican
D55649	mannosidase, alpha, class 2A, member 2
L23808	matrix metalloproteinase 12 (macrophage elastase)
U37283	Microfibril-associated glycoprotein-2
AB018342	myosin X
AI688516	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8)
X05608	neurofilament, light polypeptide (68kD)
U97669	Notch (Drosophila) homolog 3
X12794	nuclear receptor subfamily 2, group F, member 6
U30521	P311 protein
AF017786	phosphatidic acid phosphohydrolase homolog (Dri42)
M16750	pim-1 oncogene
M21574	platelet-derived growth factor receptor, alpha polypeptide
J03278	platelet-derived growth factor receptor, beta polypeptide
D64053	protein tyrosine phosphatase, receptor type, R
M14949	R-ras
AI800578	S-adenosylhomocysteine hydrolase-like 1
Y10032	serum/glucocorticoid regulated kinase
M26683	small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je)
U64197	small inducible cytokine subfamily A (Cys-Cys), member 20
AF057164	solute carrier family 22 (organic cation transporter), member 5
AF015926	solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1
AF004841	surface glycoprotein, Ig superfamily member
Z48199	syndecan 1
AJ006973	target of myb1 (chicken) homolog
AF050110	TGFB inducible early growth response
AA704137	Thy-1 cell surface antigen
M99435	transducin-like enhancer of split 1, homolog of Drosophila E(sp1)
X14885	transforming growth factor, beta 3
D50683	transforming growth factor, beta receptor II (70-80kD)
M77349	transforming growth factor-beta induced gene product (BIGH3)
AI743134	trinucleotide repeat containing 3
M34309	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3

Unique genes regulated by tamoxifen, but not raloxifene

Accession number	Gene
D49394	5-hydroxytryptamine receptor 3A
Y10183	activated leucocyte cell adhesion molecule
K02215	angiotensinogen
D88674	antizyme inhibitor
AB004066	basic helix-loop-helix domain containing, class B, 2
M90357	basic transcription factor 3a
M60314	bone morphogenetic protein 5
X60201	brain-derived neurotrophic factor
AL050089	bromodomain adjacent to zinc finger domain, 1A
AB002803	BTB and CNC homology 1, basic leucine zipper transcription factor 1
D21255	cadherin 11, type 2, OB-cadherin (osteoblast)
X51405	carboxypeptidase E
AF098641	CD44 isoform RC
AL109681	cDNA clone EUROIMAGE 112333
AI743745	cDNA clone IMAGE 2368811
AA216639	cDNA clone IMAGE 649765
AL080192	cDNA DKFZp434B102
AL049265	cDNA DKFZp564F053
AL080093	cDNA DKFZp564N1662
AL080232	cDNA DKFZp586A061
X05360	cell division cycle 2, G1 to S and G2 to M
M10905	cellular fibronectin (fibronectin 1)
AB007972	chromosome 1 specific transcript KIAA0503
AF009426	chromosome 18 open reading frame 1
J02931	coagulation factor III (thromboplastin, tissue factor)
Y15915	collagen, type I, alpha 1
X14420	collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)
X52022	collagen, type VI, alpha 3
J04177	collagen, type XI, alpha 1
U46692	cystatin B (stefin B)
H87920	cytochrome P450, subfamily XXVIA, polypeptide 1
U41387	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 21
AL050024	DKFZP564D206 protein
AL050190	DKFZP586B0923 protein
M67439	dopamine receptor D5
X68277	dual specificity phosphatase 1
U70312	EGF-like repeats and discoidin I-like domains 3
L25879	epoxide hydrolase 1, microsomal (xenobiotic)
AI808712	ESTs
D10040	fatty-acid-Coenzyme A ligase, long-chain 2
tigr:HG3044-HT3742	Fibronectin, Alt. Splice 1
AJ012737	filamin C, gamma (actin-binding protein-280)
AF061034	FIP2 alternatively translated mRNA
tigr:HG1139-HT4910	Fk506-Binding Protein, Alt. Splice 2
AF089750	flotillin 1
AF078096	forkhead box C1
M69199	G0S2 (putative lymphocyte G0/G1 switch gene)

M60091	galactose-1-phosphate uridylyltransferase
X52947	gap junction protein, alpha 1, 43kD (connexin 43)
M68891	GATA-binding protein 2
J03060	glucocerebrosidase
X03674	glucose-6-phosphate dehydrogenase
L13698	growth arrest-specific 1
X03473	H1 histone family, member 0
AL031781	homolog of mouse quaking QKI (KH domain RNA binding protein)
AA675900	Huntingtin-interacting protein A
AB015331	hypothetical protein DKFZp434P0116
AA195301	hypothetical protein MGC2574
S62539	insulin receptor substrate 1
L27560	insulin-like growth factor binding protein 5
AA477898	integral membrane protein 2B
M13143	kallikrein B, plasma (Fletcher factor) 1
M26326	keratin 18
D31888	KIAA0071 protein
D42043	KIAA0084 protein
D14659	KIAA0103 gene product
D80011	KIAA0189 gene product
AB023152	KIAA0935 protein
AJ001685	killer cell lectin-like receptor subfamily C, member 3 (NKG2E)
X65873	kinesin family member 5B
AB011105	laminin, alpha 5
Z37976	latent transforming growth factor beta binding protein 2
AB006780	lectin, galactoside-binding, soluble, 3 (galectin 3)
U69609	leucine rich repeat (in FLII) interacting protein 1
M15856	lipoprotein lipase
J05070	matrix metalloproteinase 9 (gelatinase B, 92kD gelatinase, 92kD type IV collagenase)
U41766	metalloprotease/disintegrin/cysteine-rich protein precursor
D14812	MORF-related gene X
X15306	neurofilament, heavy polypeptide (200kD)
D83699	neuronal death protein
AF045451	NGFI-A binding protein 1 (EGR1 binding protein 1)
D16815	nuclear receptor subfamily 1, group D, member 2
X00737	nucleoside phosphorylase
U60805	oncostatin M receptor
M24351	parathyroid hormone-like protein
D49396	peroxiredoxin 3
L20971	phosphodiesterase 4B, cAMP-specific (dunce (Drosophila)-homolog phosphodiesterase E4)
AB006746	phospholipid scramblase 1
M26167	platelet factor 4 variant 1
Z54367	plectin 1, intermediate filament binding protein, 500kD
M57399	pleiotrophin (heparin binding growth factor 8, neurite growth-promoting factor 1)
Z29505	poly(rC)-binding protein 1
D50312	potassium inwardly-rectifying channel, subfamily J, member 8
AF006010	progesterin induced protein
Y07909	Progression Associated Protein
U47924	protein "A"
U09759	protein kinase (JNK2)

U68111	protein phosphatase inhibitor 2
M28215	RAB5A, member RAS oncogene family
AL049538	ras association (RalGDS/AF-6) domain containing protein JC265
M23379	RAS p21 protein activator (GTPase activating protein) 1
AL043108	ras-like protein
AI267373	regulator of G-protein signalling 4
D84111	RNA-binding protein gene with multiple splicing
Y18264	sal (Drosophila)-like 1
AB000220	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C
Y11251	splicing factor, arginine/serine-rich 2, interacting protein
Z46629	SRY (sex determining region Y)-box 9 (campomelic dysplasia, autosomal sex-reversal)
AL022326	synaptogyrin 1
AF000652	syndecan binding protein (syntenin)
L08850	synuclein, alpha (non A4 component of amyloid precursor)
M62424	thrombin (coagulation factor II) receptor
X14787	thrombospondin 1
D38305	transducer of ERBB2, 1
X70340	transforming growth factor, alpha
M90657	transmembrane 4 superfamily member 1
D13413	tumor-associated 120 kDa nuclear protein
AF049891	tyrosylprotein sulfotransferase 2
AF055376	v-maf musculoaponeurotic fibrosarcoma (avian) oncogene homolog
V00568	v-myc avian myelocytomatosis viral oncogene homolog
