

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Abietic acid	514-10-3				pos.			Mellanen et al. (1996)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Acenaphthene	83-32-9	neg.				neg.	96	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Acenaphthene	83-32-9					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Acenaphthylene	208-96-8	neg.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Acenaphthylene	208-96-8	neg.				neg.	100	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Acenaphthylene	208-96-8					neg.		Tran et al. (1996)
HEK293 hER (S)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	pos.						Seinen et al. (1999)
HEK293 hER (S)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	6-Acetyl-1,1,2,4,4,7-hexamethyltetraline	21145-77-7	neg.						Seinen et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Acrinathrin	101007-06-1	neg.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Acrinathrin	101007-06-1				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Acrinathrin	101007-06-1				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Alachlor	15972-60-8				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Alachlor	15972-60-8		0.5					Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Alachlor	15972-60-8		40x (10 $\mu$ M)*			neg.		Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Alachlor	15972-60-8	pos.	18.19					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Aldicarb	116-06-3	neg.	0.06			pos.	12%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Aldicarb	116-06-3		0.06				24%	Klotz et al. (1997)

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CHO-K1 hER (T)+Luc(T)†	Aldosterone	52-39-1	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Allenolic acid	553-39-9				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	- <i>trans</i> -Allethrin	584-79-2				pos.			Go et al. (1999)
MCF-7(E3) hER(E)+CP	2-Aminoestratriene-3,17 -diol	107900-30-1			0.558	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Aminoestratriene-3,17 -diol	107900-31-2			0.346	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	1-Aminoestratrien-17 -ol				28.4	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	2-Aminoestratrien-17 -ol	17522-06-4			0.127	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	3-Aminoestratrien-17 -ol				1.5	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Aminoestratrien-17 -ol	17522-04-2			2	pos.			Wiese et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Aminotriazole	61-82-5	pos.	17.78					Petit et al. (1997)
MCF-7 hER(E)+CP	4- <i>tert</i> -Amylphenol	80-46-6				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Amylphenol	80-46-6	pos.	0.000005					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>tert</i> -Amylphenol	80-46-6	pos.	0.000004	50				Routledge and Sumpter (1997)
MCF-7(E3) hER(E)+CP	5 -Androstane-3 ,17 -diol	1852-53-5			0	neg.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	5 -Androstane-3 ,17 -diol	571-20-0			4.66	pos.			Wiese et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Androstenediol	1156-92-9	pos.	0.023					Coldham et al. (1997)
MCF-7(E3) hER(E)+CP	5-Androstenediol	521-17-5			1.41	pos.			Wiese et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Androstenedione	63-05-8	neg.		0				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Androstenedione	63-05-8	neg.	0					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	4-Androstenedione	63-05-8	neg.						Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Anthanthrene	191-26-4	neg.				neg.	97	Tran et al. (1996)

## Sorted by Substance and Assay

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Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Anthanthrene	191-26-4					neg.		Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Anthracene	120-12-7	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Anthracene	120-12-7				neg.	neg.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Anthracene	120-12-7	neg.				neg.	97	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Anthracene	120-12-7					neg.		Tran et al. (1996)
HEK-293 hER ( )+ Luc(T)	Apigenin	520-36-5	pos.	40			pos.	68.1	Collins-Burow et al. (2000)
HEK-293 hER ( )+ Luc(T)	Apigenin	520-36-5	weak				pos.	78.3	Collins-Burow et al. (2000)
HEK293 hER (T)+Luc(T)+ gal(T)	Apigenin	520-36-5	pos.	50			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	Apigenin	520-36-5	pos.	49			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Apigenin	520-36-5	pos.	27.3					Miksicek (1993)
MCF-7 hER(E)+CP	Apigenin	520-36-5				pos.			Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Apigenin	520-36-5	pos.	60			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Apigenin	520-36-5				neg.	pos.		Collins-Burow et al. (2000)
BG-1 hER(E)+Luc(S)	Aroclor 1016	12674-11-2	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Aroclor 1221	11104-28-2	pos.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Aroclor 1221	11104-28-2	pos.	56.21					Petit et al. (1997)
BG-1 hER(E)+Luc(S)	Aroclor 1232	11141-16-5	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Aroclor 1242	53469-21-9	pos.						Xenobiotic Detection Systems (2001)

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BG-1 hER(E)+Luc(S)	Aroclor 1248	12672-29-6	neg.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Aroclor 1248	12672-29-6	pos.	37.47					Petit et al. (1997)
BG-1 hER(E)+Luc(S)	Aroclor 1254	11097-69-1	neg.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Aroclor 1260	11096-82-5	neg.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Aroclor 1268	11100-14-4	pos.	61.08					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Atrazine	1912-24-9	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER(S)+Luc(S)	Atrazine	1912-24-9	neg.						Balaguer et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Atrazine	1912-24-9	neg.	0			neg.		Connor et al. (1996)
MCF-7 hER(E)+CP	Atrazine	1912-24-9				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> 188R1) hER(S)+ -gal(S)	Atrazine	1912-24-9	neg.				neg.		Graumann et al. (1999)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Atrazine	1912-24-9	pos.	16.51					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Baygon	114-26-1	neg.	0.07			pos.	46%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Baygon	114-26-1		0.07				30%	Klotz et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Bendiocarb	22781-23-3	neg.	0.07			pos.	43%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Bendiocarb	22781-23-3				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Bendiocarb	22781-23-3		0.07				30%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Benomyl	17804-35-2		0.04					Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Benomyl	17804-35-2		0 (10 $\mu$ M)*			neg.		Klotz et al. (1996)

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Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	2,3-Benzanthracene	92-24-0	neg.				neg.	101	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	2,3-Benzanthracene	92-24-0					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Benz[a]anthracene	56-55-3	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benz[a]anthracene	56-55-3	pos.		4				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benz[a]anthracene	56-55-3	weak						Fertuck et al. (2001b)
MCF-7 hER(E)+CP(F)	Benz[a]anthracene	56-55-3				neg.	pos.		Arcaro et al. (1999b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benz[a]anthracene	56-55-3	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[a]carbazole	239-01-0	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[a]carbazole	239-01-0	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[c]carbazole		weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[c]carbazole		weak						Fertuck et al. (2001b)
MCF-7 hER(E)+CP(F)	Benzo[b]fluoranthene	205-99-2				neg.	pos.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Benzo[b]fluoranthene	205-99-2	neg.				neg.	94	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[b]fluoranthene	205-99-2					neg.		Tran et al. (1996)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Benzo[j]fluoranthene	205-82-3	neg.				neg.	100	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[j]fluoranthene	205-82-3					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Benzo[k]fluoranthene	207-08-9	pos.						Xenobiotic Detection Systems (2001)

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BG-1 hER(E)+Luc(S)	Benzo[ <i>k</i> ]fluoranthene	207-08-9	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>k</i> ]fluoranthene	207-08-9	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Benzo[ <i>k</i> ]fluoranthene	207-08-9				neg.	pos.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Benzo[ <i>k</i> ]fluoranthene	207-08-9	neg.				neg.	101	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[ <i>k</i> ]fluoranthene	207-08-9					neg.		Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>b</i> ]fluorene	243-17-4	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>b</i> ]fluorene	243-17-4	weak						Fertuck et al. (2001b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Benzo[ <i>b</i> ]fluorene	243-17-4	neg.				pos.	78	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[ <i>b</i> ]fluorene	243-17-4					neg.	97	Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>b</i> ]naphtho[2, <i>1-d</i> ]thiophene	239-35-0	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>b</i> ]naphtho[2, <i>1-d</i> ]thiophene	239-35-0	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>b</i> ]naphtho[2, <i>3-d</i> ]thiophene	243-46-9	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>b</i> ]naphtho[2, <i>3-d</i> ]thiophene	243-46-9	weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>ghi</i> ]perylene	191-24-2	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Benzo[ <i>ghi</i> ]perylene	191-24-2				neg.	neg.		Arcaro et al. (1999b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>c</i> ]phenanthrene	195-19-7	neg.						Fertuck et al. (2001b)

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MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>c</i> ]phenanthrene	195-19-7	neg.						Fertuck et al. (2001b)
ZR-75 hER(E)+CP	Benzophenone	119-61-9				neg.			Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-1	131-56-6	pos.	0.0003					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-2	131-55-5	pos.	0.0001					Miller et al. (2001)
MCF-7(Bos) hER(E)+CP	Benzophenone-3	131-57-7		105	3.73	pos.			Schlumpf et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-3	131-57-7	pos.	<0.00001					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-4	4065-45-6	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-6	131-54-4	pos.	<0.00000001					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-7	85-19-8	pos.	<0.000003					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-8	131-53-3	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzophenone-12	1843-05-6	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	Benzo[ <i>a</i> ]pyrene	50-32-8	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene	50-32-8	pos.	0.43					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene	50-32-8	pos.		1.3				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene	50-32-8	wi				neg.		Fertuck et al. (2001a)
MCF-7 hER(E)+CP(F)	Benzo[ <i>a</i> ]pyrene	50-32-8				neg.	pos.		Arcaro et al. (1999b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene	50-32-8		0.039	0.33		neg.		Fertuck et al. (2001a)

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Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Benzo[ <i>a</i> ]pyrene	50-32-8	neg.				pos.	77	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Benzo[ <i>a</i> ]pyrene	50-32-8					neg.	90	Tran et al. (1996)
MCF-7 hER(E)+CP(F)	Benzo[ <i>e</i> ]pyrene	192-97-2				neg.	pos.		Arcaro et al. (1999b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene-1,6-dione	3067-13-8	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene-1,6-dione	3067-13-8	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene-3,6-dione	3067-14-9	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene-3,6-dione	3067-14-9	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene-6,12-dione	3067-12-7	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Benzo[ <i>a</i> ]pyrene-6,12-dione	3067-12-7	ni						Fertuck et al. (2001a)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzylparaben	94-18-8	pos.	0.00025					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Benzyl salicylate	118-58-1	pos.	<0.000002					Miller et al. (2001)
T47D hER(E)+CP	Betulin	473-98-3				pos.			Mellanen et al. (1996)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Bifenix	42576-02-3	pos.	16.97					Petit et al. (1997)
HEK293 hER (T)+Luc(T)+ gal(T)	Biochanin A	491-80-5	pos.	36			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	Biochanin A	491-80-5	pos.	53			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Biochanin A	491-80-5	pos.	50	2				Miksicek (1994)
HeLa mER(T)+CAT(T)*	Biochanin A	491-80-5	pos.	7.4x (2 $\mu$ M)					Makela et al. (1994)
MCF-7 hER(E)+CP	Biochanin A	491-80-5				pos.	neg.		Makela et al. (1994)



Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 μM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Biochanin A	491-80-5	pos.	107			pos.		Collins-Burow et al. (2000)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Biochanin A	491-80-5	pos.	0.0091					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) rER(S)+ -gal(S)	Biochanin A	491-80-5	pos.	96.89					Petit et al. (1997)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Biochanin A	491-80-5	neg.				pos.		Morito et al. (2001b)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Biochanin A	491-80-5	neg.		0.2		pos.		Morito et al. (2001b)
Yeast(S.cer. ) hER (S)+ -gal(S)	2,2'-Biphenol	1806-29-7	neg.						Miller et al. (2001)
Yeast(S.cer. BJ-ECZ) rER(S)+ -gal(S)	2,2'-Biphenol	1806-29-7	pos.	18.17					Petit et al. (1997)
Yeast(S.cer. BJ-ECZ) rER(S)+ -gal(S)	Biphenyl	92-52-4	pos.	52.53					Petit et al. (1997)
HeLa mER(T)+CAT(T)	3,4-Biphenyldiol		pos.	41.6					Garner et al. (1999)
HEK293 hER (T)+Luc(T)+gal(T)	4,4'-Biphenyldiol	92-88-6	pos.	53					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	4,4'-Biphenyldiol	92-88-6	pos.	72					Kuiper et al. (1998)
MCF-7 hER(E)+CP	4,4'-Biphenyldiol	92-88-6				pos.			Soto et al. (1995)
Yeast(S.cer. ) hER (S)+ -gal(S)	4,4'-Biphenyldiol	92-88-6	pos.	0.0001					Miller et al. (2001)
Yeast(S.cer. BJ-ECZ) rER(S)+ -gal(S)	4,4'-Biphenyldiol	92-88-6	pos.	96.06					Petit et al. (1997)
Yeast(S.cer. ) hER (S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	0.0000005					Miller et al. (2001)
Yeast(S.cer. ) hER (S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	0.000000001	107				Vinggaard et al. (2000)
Yeast(S.cer. ) hER(S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	0.000002	100				Routledge and Sumpter (1997)
Yeast(S.cer. BJ-ECZ) rER(S)+ -gal(S)	2-Biphenylol	90-43-7	pos.	91.96					Petit et al. (1997)
Yeast(S.cer. ) hER(S)+ -gal(S)	3-Biphenylol	580-51-8	pos.	0.000005	40				Routledge and Sumpter (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	3-Biphenylol	580-51-8	pos.	96.92					Petit et al. (1997)
MCF-7 hER(E)+CP	4-Biphenylol	92-69-3				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	4-Biphenylol	92-69-3				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4-Biphenylol	92-69-3	pos.	0.0001					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4-Biphenylol	92-69-3	pos.	0.00002	1				Vinggaard et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Biphenylol	92-69-3	pos.	0.00002	10				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	4-Biphenylol	92-69-3	pos.	139.02					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bis(2- <i>n</i> - butoxyethyl) phthalate	117-83-9	neg.						Harris et al. (1997)
MCF-7(E3) hER(E)+CP	Bisdesoxyestradiol	1217-09-0			201	pos.			Wiese et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Bisdesoxyestradiol	1217-09-0	pos.	0.00003	1.64				Elsby et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bis(ethoxyethyl) phthalate	605-54-9	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bis[2-(2-ethoxyethoxy)ethyl] phthalate		neg.						Harris et al. (1997)
ZR-75 hER(E)+CP	Bis(2-ethylhexyl)adipate	103-23-1				neg.			Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bis(2-ethylhexyl) hexahydrophthalate		neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bis(2-ethylhexyl)isophthalate	137-89-3	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bis(2-ethylhexyl)isophthalate	137-89-3	neg.						Harris et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Bis(2-ethylhexyl)phthalate	117-81-7	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER def(S)+Luc(S)	Bis(2-ethylhexyl)phthalate	117-81-7	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Bis(2-ethylhexyl)phthalate	117-81-7		0					Zacharewski et al. (1998)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Harris et al. (1997)
MCF-7 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Jones et al. (1998)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Bis(2-ethylhexyl)phthalate	117-81-7	weak						Jobling et al. (1995)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Bis(2-ethylhexyl)phthalate	117-81-7	neg.	0					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) rER(S)+ -gal(S)	Bis(2-ethylhexyl)phthalate	117-81-7	pos.	17.67					Petit et al. (1997)
ZR-75 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Bis(2-ethylhexyl)phthalate	117-81-7				neg.			Jobling et al. (1995)
Yeast(S.cer. ) hER(S)+ -gal(S)	Bis(2-ethylhexyl)phthalate	117-81-7	neg.						Harris et al. (1997)
HepG2 hER (T)+Luc(T)+ -gal(T)	Bis(4-hydroxyphenyl)ethane	6052-84-2	pos.	85	1.6		neg.	110	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Bis(4-hydroxyphenyl)ethane	6052-84-2	pos.	70	2.1		neg.	85 $\mu$ M	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Bis(4-hydroxyphenyl)methane	620-92-8	pos.	55	1.5		neg.	120	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Bis(4-hydroxyphenyl)methane	620-92-8	pos.	55	2		neg.	120 $\mu$ M	Gaido et al. (2000)
Yeast(S.cer. ) hER (S)+ -gal(S)	Bis(4-hydroxyphenyl)methane	620-92-8	pos.	0.0001					Miller et al. (2001)
Yeast(S.cer. ) hER(S)+ -gal(S)	Bis(methoxyethyl)phthalate	117-82-8	neg.						Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Bisphenol A	80-05-7	pos.	0.0044	0.23				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Bisphenol A	80-05-7	pos.	36					Rogers and Denison (2000)
CHO-K1 hER (S)+Luc(S)†	Bisphenol A	80-05-7	pos.		0.348				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Bisphenol A	80-05-7	pos.		0.253				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Bisphenol A	80-05-7	pos.	50					Kuiper et al. (1998)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 μM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEK293 hER (T)+Luc(T)+gal(T)	Bisphenol A	80-05-7	pos.	41					Kuiper et al. (1998)
HeLa hER (T)+Luc(T)	Bisphenol A	80-05-7	pos.						Tarumi et al. (2000)
HepG2 hER (T)+Luc(T)+gal(T)	Bisphenol A	80-05-7	pos.	100	0.64		neg.	115	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+gal(T)	Bisphenol A	80-05-7	pos.	4.5	0.218				Gould et al. (1998)
HepG2 hER (T)+Luc(T)+gal(T)	Bisphenol A	80-05-7	pos.	45	0.89		neg.	90μM	Gaido et al. (2000)
MCF-7 hER def(T)+Luc(T)+gal(T)	Bisphenol A	80-05-7		0.0001	0.71				Matthews et al. (2001)
MCF-7 hER def(T)+Luc(T)+gal(T)	Bisphenol A	80-05-7		0.0002	0.45				Matthews et al. (2001)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP	Bisphenol A	80-05-7				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)	Bisphenol A	80-05-7	pos.						Yoshihara et al. (2001)
MCF-7(BUS) hER(E)+CP	Bisphenol A	80-05-7				pos.			Schafer et al. (1999)
T47D hER(E)+CP	Bisphenol A	80-05-7				pos.			Schafer et al. (1999)
T47D hER(E)+Luc(S)	Bisphenol A	80-05-7	pos.	0.0078	0.77				Legler et al. (1999)
T47D hER(E)+Luc(S)	Bisphenol A	80-05-7	pos.		0.000033				Meerts et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Bisphenol A	80-05-7	pos.	0.0001					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Bisphenol A	80-05-7	pos.		0.00072-0.854				De Boever et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Bisphenol A	80-05-7	pos.	0.00007	0.71				Elsby et al. (2001)

## Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.0001					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)+S9*	Bisphenol A	80-05-7	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.000026					Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.00003	3.9				Rajapakse et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.0003	0.114				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.005					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.00007	3.4				Gaido et al. (1997)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.		0.1				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.		0.1				Morito et al. (2001a)
ZR-75-1 hER(E)+CP	Bisphenol A	80-05-7				pos.			Schafer et al. (1999)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Bisphenol A	80-05-7	pos.	0.000025	0.8				Vinggaard et al. (2000)
HeLa hER (T)+Luc(T)	Bisphenol A dimethacrylate	3253-39-2	pos.						Tarumi et al. (2000)
MCF-7 hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				pos.			Korner et al. (1998)
MCF-7(BUS) hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				pos.			Schafer et al. (1999)
T47D hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				pos.			Schafer et al. (1999)
ZR-75-1 hER(E)+CP	Bisphenol A dimethacrylate	3253-39-2				neg.			Schafer et al. (1999)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Bisphenol A glucuronide			0	0				Matthews et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Bisphenol A glucuronide			0	0				Matthews et al. (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (S)+Luc(S)†	Bisphenol B	77-40-7	pos.		0.114				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Bisphenol B	77-40-7	pos.		0.0624				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Bisphenol B	77-40-7	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)+S9*	Bisphenol B	77-40-7	pos.						Yoshihara et al. (2001)
CHO-K1 hER (S)+Luc(S)†	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.		0.0299				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.		0.0696				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	23.38					Hodges et al. (2000)
HeLa hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.03	0.03		pos.		Gaido et al. (1999)
HeLa hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.005	0.1		pos.		Gaido et al. (1999)
HeLa mER(T)+CAT(T)*	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	67 (1 $\mu$ M)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	7.84	0.051		neg.		Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	100	0.051		neg.	110	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	50	0.03		pos.		Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	80	0.01		pos.		Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	30			pos.	35 $\mu$ M	Gaido et al. (2000)
HepG2 rER (T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	10	0.01		neg.		Gaido et al. (1999)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.19	0.05				Charles et al. (2000a)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.0001					Beresford et al. (2000)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.0004	0.128				Elsby et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichloroethane	2971-36-0	pos.	0.003	0.05				Odum et al. (1997)
MCF-7 hER(E)+CP	6-Bromo-2-naphthol	15231-91-1				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Bromopropylate	18181-80-1				neg.			Vinggaard et al. (1999)
T47D hER(E)+Luc(S)	2-Bromo-4-(2,4,6-tribromophenoxy)phenol		neg.		0.00002		neg.		Meerts et al. (2001)
MCF-7 hER(E)+CP	4-Butoxyphenol	122-94-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Butylate	2008-41-5				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				pos.			Komer et al. (1998)
MCF-7 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Butylated hydroxyanisole	25013-16-5	pos.						Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Butylated hydroxyanisole	25013-16-5	pos.	<0.0000005					Miller et al. (2001)
ZR-75 hER(E)+CP	Butylated hydroxyanisole	25013-16-5				pos.			Jobling et al. (1995)
MCF-7 hER(E)+CP	Butylated hydroxytoluene	128-37-0				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Butylated hydroxytoluene	128-37-0				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Butylated hydroxytoluene	128-37-0	weak						Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Butylated hydroxytoluene	128-37-0	pos.	<0.0000001					Miller et al. (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Butylated hydroxytoluene	128-37-0	neg.	0					Coldham et al. (1997)
ZR-75 hER(E)+CP	Butylated hydroxytoluene	128-37-0				pos.			Jobling et al. (1995)
ZR-75 hER(E)+CP	<i>n</i> -Butylbenzene	104-51-8				neg.			Jobling et al. (1995)
CHO-K1 hER (T)+Luc(T)†	Butyl benzyl phthalate	85-68-7	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER def(S)+Luc(S)	Butyl benzyl phthalate	85-68-7	pos.	34					Zacharewski et al. (1998)

## Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 μM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Butyl benzyl phthalate	85-68-7		46					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Harris et al. (1997)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Butyl benzyl phthalate	85-68-7	pos.				neg.		Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Butyl benzyl phthalate	85-68-7	pos.	0.0000025					Beresford et al. (2000)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Butyl benzyl phthalate	85-68-7	pos.	0.0004					Coldham et al. (1997)
ZR-75 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	Butyl benzyl phthalate	85-68-7				pos.			Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Butyl benzyl phthalate	85-68-7	pos.	0.00001					Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Butylcatechol	98-29-3	pos.	0.000003					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Butyl cyclohexyl phthalate	84-64-0	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Butyl decyl phthalate	89-19-0	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Butyl 2-ethylhexyl phthalate	85-69-8	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	5- <i>tert</i> -Butyl-4-hydroxy-2-methyl-phenyl sulfide	96-69-5	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Butyl isodecyl phthalate	42343-36-2	neg.						Harris et al. (1997)
MCF-7(Bos) hER(E)+CP	Butyl methoxydibenzoylmethane	70356-09-1		21.01		neg.			Schlumpf et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Butyl octyl phthalate	84-78-6	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Butylparaben	94-26-8	pos.	0.0001					Miller et al. (2001)



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Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	2- <i>tert</i> -Butylphenol	88-18-6	neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	3- <i>tert</i> -Butylphenol	585-34-2	neg.						Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	4- <i>sec</i> -Butylphenol	99-71-8				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>sec</i> -Butylphenol	99-71-8	pos.	0.0000003	666				Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	4- <i>tert</i> -Butylphenol	98-54-4				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	4- <i>tert</i> -Butylphenol	98-54-4				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Butylphenol	98-54-4	variable						Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Butylphenol	98-54-4	pos.	0.0000003					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>tert</i> -Butylphenol	98-54-4	pos.	0.0000008	250				Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	Caffeine	58-08-2				neg.			Jones et al. (1998)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Captan	133-06-2	pos.	13.93					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Carbaryl	63-25-2	neg.	0.07			pos.	34%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Carbaryl	63-25-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Carbaryl	63-25-2		0.07				29%	Klotz et al. (1997)
BG-1 hER(E)+Luc(S)	Carbazole	86-74-8	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Carbofuran	1563-66-2				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Carbofuran	1563-66-2	pos.	16.82					Petit et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Carbosulfan	55285-14-8	pos.	14.09					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Carvacrol	499-75-2	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Catechol	120-80-9	neg.						Miller et al. (2001)

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MCF-7 hER(E)+CP	Chlordane	57-74-9				neg.			Soto et al. (1995)
T47D hER(E)+Luc(S)	Chlordane	57-74-9	pos.	0.00096	6.24				Legler et al. (1999)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Chlordane	57-74-9	pos.	6x (25 $\mu$ M)*					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Chlordane	57-74-9	pos.	0.6x (100 $\mu$ M)*					Ramamoorthy et al. (1997a)
BG-1 hER(E)+Luc(S)	-Chlordane	5103-71-9	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	-Chlordane	5103-74-2	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Chlordimeform	6164-98-3				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Chlorfenvinphos	470-90-6				neg.			Vinggaard et al. (1999)
MCF-7(E3) hER(E)+CP	Chlorobenzilate	510-15-6				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	2-Chlorobiphenyl	2051-60-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2-Chlorobiphenyl	2051-60-7				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP	4-Chlorobiphenyl	2051-62-9				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	4-Chlorobiphenyl	2051-62-9				pos.	pos.		Gierthy et al. (1997)
MCF-7 hER(E)+CP(F)	2-Chloro-4-biphenylol	23719-22-4				pos.	neg.		Gierthy et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2'-Chloro-4-biphenylol		pos.	0.0037					Coldham et al. (1997)
MCF-7 hER(E)+CP(F)	4-Chloro-4'-biphenylol	28034-99-3				pos.	neg.		Gierthy et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Chloro-4'-biphenylol	28034-99-3	pos.	0.06					Coldham et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4-Chloro-3,5-dimethylphenol	88-04-0	pos.	0.000001					Miller et al. (2001)
MCF-7 hER(E)+CP	11 -Chloromethylestradiol	71794-60-0				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	4-Chloro-2-methylphenol	1570-64-5				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	4-Chloro-3-methylphenol	59-50-7				pos.			Korner et al. (1998)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4-Chloro-3-methylphenol	59-50-7	pos.	0.0000003					Miller et al. (2001)

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Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4-Chloro-3-methylphenol	59-50-7	pos.	0.000000005	378				Vinggaard et al. (2000)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Chlorosulfuron	64902-72-3	pos.	14.98					Petit et al. (1997)
MCF-7 hER(E)+CP	Chlorothalonil	1897-45-6				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Chlorothalonil	1897-45-6	pos.	11.33					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Chlorothymol	89-68-9	pos.	0.0000025					Miller et al. (2001)
MCF-7 hER(E)+CP	Chlorpyrifos	2921-88-2				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Chlorpyrifos	2921-88-2				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Cholesterol	57-88-5				neg.			Jones et al. (1998)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Cholesterol	57-88-5	neg.	0					Coldham et al. (1997)
BG-1 hER(E)+Luc(S)	Chrysene	218-01-9	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Chrysene	218-01-9	pos.		5.5				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Chrysene	218-01-9	neg.						Fertuck et al. (2001b)
MCF-7 hER(E)+CP(F)	Chrysene	218-01-9				neg.	pos.		Arcaro et al. (1999b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	Chrysene	218-01-9	neg.						Fertuck et al. (2001b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Chrysene	218-01-9	neg.				neg.	97	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Chrysene	218-01-9					neg.		Tran et al. (1996)
HEK293 hER (T)+Luc(T)+ gal(T)	Chrysin	480-40-0	neg.	1			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	Chrysin	480-40-0	pos.	2			neg.		Kuiper et al. (1998)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Chrysin	480-40-0	pos.	125			pos.		Collins-Burow et al. (2000)

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MCF-7(M) hER(E)+CP	Chrysin	480-40-0					pos.		Collins-Burow et al. (2000)
T47D hER(E)+CP	Citrostadienol					neg.			Mellanen et al. (1996)
CHO-K1 hER (T)+Luc(T)†	<i>trans</i> -Clomiphene	911-45-5	neg.		0				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>trans</i> -Clomiphene	911-45-5	pos.	0.00002	9.97				Gaido et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Cocobetaine	68411-97-2	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Coconut amido betaine		neg.						Routledge and Sumpter (1996)
MCF-7 hER(E)+CP	Corn oil	8001-30-7				neg.			Go et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Corticosterone	50-22-6	neg.		0				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cortisol	50-23-7	neg.		0				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Cortisol	50-23-7	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Cortisol	50-23-7	neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Cortisol	50-23-7	neg.	0					Coldham et al. (1997)
BG-1 hER(E)+Luc(S)	Coumestrol	479-13-0	pos.	0.1	0.01				Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Coumestrol	479-13-0	pos.		0.0168				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Coumestrol	479-13-0	pos.	102			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Coumestrol	479-13-0	pos.	98			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Coumestrol	479-13-0	pos.	153.75	0.015				Miksicek (1994)
HeLa mER(T)+CAT(T)	Coumestrol	479-13-0		111		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	Coumestrol	479-13-0	pos.	60x (100 nM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Coumestrol	479-13-0				pos.			Dodge et al. (1996)

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MCF-7 hER(E)+CP	Coumestrol	479-13-0				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Coumestrol	479-13-0				pos.			Soto et al. (1995)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Coumestrol	479-13-0	pos.	56			pos.		Collins-Burow et al. (2000)
T47D hER(E)+CP	Coumestrol	479-13-0				pos.	neg.		Makela et al. (1994)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Coumestrol	479-13-0	pos.	0.67					Coldham et al. (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Coumestrol	479-13-0	pos.	0.013	0.0174				Gaido et al. (1997)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Coumestrol	479-13-0	pos.		0.04		neg.		Morito et al. (2001b)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Coumestrol	479-13-0	pos.		0.02		neg.		Morito et al. (2001b)
BG-1 hER(E)+Luc(S)	Creosote	8001-58-9	neg.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	<i>o</i> -Cresol	95-48-7	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer. ) hER (S)+ -gal(S)	<i>o</i> -Cresol	95-48-7	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	<i>p</i> -Cresol	106-44-5	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer. ) hER (S)+ -gal(S)	<i>p</i> -Cresol	106-44-5	neg.						Miller et al. (2001)
Yeast(S.cer. ) hER(S)+ -gal(S)	<i>p</i> -Cresol	106-44-5	neg.						Routledge and Sumpter (1997)
BG-1 hER(E)+Luc(S)	Cumene	98-82-8	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (S)+Luc(S)†	<i>p</i> -Cumylphenol	599-64-4	pos.		0.395				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	<i>p</i> -Cumylphenol	599-64-4	pos.		0.248				Otsuka Pharmaceutical (2001)
HeLa hER(T)+CAT(T)	Curcumin	458-37-7	neg.	5					Miksicek (1994)
MCF-7 hER(E)+CP	Cyanazine	21725-46-2				neg.			Soto et al. (1995)

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CHO-K1 hER (T)+Luc(T)†	Cycloprothrin	63935-38-6	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cycloprothrin	63935-38-6				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cycloprothrin	63935-38-6				neg.			Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cyfluthrin	68359-37-5	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyfluthrin	68359-37-5				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyfluthrin	68359-37-5				pos.			Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cyhalothrin	68085-85-8	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyhalothrin	68085-85-8				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cyhalothrin	68085-85-8				pos.			Otsuka Pharmaceutical (2001)
BG-1 hER(E)+Luc(S)	<i>p</i> -Cymene	99-87-6	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Cypermethrin	52315-07-8	neg.						Otsuka Pharmaceutical (2001)
HeLa hER (T)+Luc(T)	Cypermethrin	52315-07-8	neg.	9.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Cypermethrin	52315-07-8				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Cypermethrin	52315-07-8				pos.			Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Cyproterone acetate	427-51-0	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Dacthal	1861-32-1				neg.			Soto et al. (1995)
BG-1 hER(E)+Luc(S)	Daidzein	486-66-8	pos.	0.002	0.49				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Daidzein	486-66-8	pos.	44					Rogers and Denison (2000)
HEK293 hER (T)+Luc(T)+gal(T)	Daidzein	486-66-8	pos.	97			neg.		Kuiper et al. (1998)

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HEK293 hER (T)+Luc(T)+gal(T)	Daidzein	486-66-8	pos.	80			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Daidzein	486-66-8	pos.	95	0.09				Miksicek (1994)
MCF-7 hER(E)+CP	Daidzein	486-66-8			0.4	pos.			Ichikawa et al. (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Daidzein	486-66-8	pos.	0.0013					Coldham et al. (1997)
MCF-7 hER(E)+CP	Daidzein	486-66-8				pos.			Morito et al. (2001a)
Yeast(S.cer. ) hER (S)+ -gal(S)	Daidzein	486-66-8	neg.						De Boever et al. (2001)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzein	486-66-8	pos.		30				Morito et al. (2001a)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzein	486-66-8	pos.		5				Morito et al. (2001a)
MCF-7 hER(E)+CP	Daidzin	552-66-9				pos.			Morito et al. (2001a)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzin	552-66-9	pos.		100				Morito et al. (2001a)
Yeast(S.cer. Y190) hER (S)+ -gal(S)	Daidzin	552-66-9	neg.						Morito et al. (2001a)
Yeast(S.cer. 939) hER(S)+ -gal(S)	<i>p,p'</i> -DDA	83-05-6	neg.	0					Chen et al. (1997)
Yeast(S.cer. CYT10-5d) hER(S)+ -gal(S)	<i>p,p'</i> -DDA	83-05-6	neg.	0					Chen et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	<i>o,p'</i> -DDD	53-19-0		0.43					Klotz et al. (1996)
Yeast(S.cer. 939) hER(S)+ -gal(S)	<i>o,p'</i> -DDD	53-19-0	pos.	0.581					Chen et al. (1997)
Yeast(S.cer. BJ2407) hER(S)+ -gal(S)	<i>o,p'</i> -DDD	53-19-0		35x (10 $\mu$ M)*			neg.		Klotz et al. (1996)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	<i>o,p'</i> -DDD	53-19-0	pos.	0.00000004	3320				Gaido et al. (1997)
Yeast(S.cer. CYT10-5d) hER(S)+ -gal(S)	<i>o,p'</i> -DDD	53-19-0	pos.	105x (10 $\mu$ M)*					Chen et al. (1997)
BG-1 hER(E)+Luc(S)	<i>o,p'</i> -DDD	53-19-0	pos.						Xenobiotic Detection Systems (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	<i>p,p'</i> -DDD	72-54-8	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+Luc(T)+ -gal(T)	<i>p,p'</i> -DDD	72-54-8		0.87					Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	<i>p,p'</i> -DDD	72-54-8		85x (10 $\mu$ M)*			pos.	11 $\mu$ M	Klotz et al. (1996)
CHO-K1 hER (T)+Luc(T)†	<i>o,p'</i> -DDE	3424-82-6	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	<i>o,p'</i> -DDE	3424-82-6				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	<i>o,p'</i> -DDE	3424-82-6	pos.	0.675					Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>o,p'</i> -DDE	3424-82-6	pos.	0.00004					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>o,p'</i> -DDE	3424-82-6	pos.	0.00000004	5340				Gaido et al. (1997)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>o,p'</i> -DDE	3424-82-6	pos.	101x (10 $\mu$ M)*					Chen et al. (1997)
BG-1 hER(E)+Luc(S)	<i>p,p'</i> -DDE	72-55-9	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	<i>p,p'</i> -DDE	72-55-9	neg.		0				Otsuka Pharmaceutical (2001)
HepG2 hER (T)+Luc(T)+ -gal(T)	<i>p,p'</i> -DDE	72-55-9	pos.	20			neg.	80	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	<i>p,p'</i> -DDE	72-55-9	pos.	10			neg.	100 $\mu$ M	Gaido et al. (2000)
MCF-7 hER(E)+CP	<i>p,p'</i> -DDE	72-55-9			3	pos.			Payne et al. (2001)
MCF-7 hER(E)+CP	<i>p,p'</i> -DDE	72-55-9				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	<i>p,p'</i> -DDE	72-55-9				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	<i>p,p'</i> -DDE	72-55-9	neg.	0					Chen et al. (1997)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>p,p'</i> -DDE	72-55-9	neg.	0					Chen et al. (1997)
BG-1 hER(E)+Luc(T)	<i>o,p'</i> -DDT	789-02-6	pos.	56					Rogers and Denison (2000)



Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	<i>o,p'</i> -DDT	789-02-6	neg.		0				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	<i>o,p'</i> -DDT	789-02-6	pos.	54					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	<i>o,p'</i> -DDT	789-02-6	pos.	10					Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	<i>o,p'</i> -DDT	789-02-6	pos.	31 (10 $\mu$ M)					Shelby et al. (1996)
MCF-7 hER(E)+CP	<i>o,p'</i> -DDT	789-02-6			0.8	pos.			Payne et al. (2001)
MCF-7 hER(E)+CP	<i>o,p'</i> -DDT	789-02-6				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	<i>o,p'</i> -DDT	789-02-6				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+gal(T)	<i>o,p'</i> -DDT	789-02-6		1.04					Klotz et al. (1996)
T47D hER(E)+Luc(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.0091	0.66				Legler et al. (1999)
Yeast( <i>S.cer.</i> ) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.00002					Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.00006	2.2				Rajapakse et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.0002	0.18				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> .939) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.655					Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.001	0.2				Arnold et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6		95x (10 $\mu$ M)*			pos.	1 $\mu$ M	Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.00011					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	0.0000001	1810				Gaido et al. (1997)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	110x (10 $\mu$ M)*					Chen et al. (1997)
Yeast( <i>S.cer.</i> YRG-2) hER(S)+gal(S)	<i>o,p'</i> -DDT	789-02-6	pos.	3.2x (10 $\mu$ M)*					Lascombe et al. (2000)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(MELN41) hER(E)+Luc(S)	<i>o,p'</i> -DDT	789-02-6	pos.						Lascombe et al. (2000)
MCF-7(MELN41) hER(E)+Luc(S)	(-) <i>o,p'</i> -DDT	58633-26-4	pos.						Lascombe et al. (2000)
MCF-7(MELN41) hER(E)+Luc(S)	(+) <i>o,p'</i> -DDT	58633-27-5	pos.						Lascombe et al. (2000)
BG-1 hER(E)+Luc(S)	<i>p,p'</i> -DDT	50-29-3	pos.						Xenobiotic Detection Systems (2001)
HEK293 hER (T)+Luc(T)+gal(T)	<i>p,p'</i> -DDT	50-29-3	pos.	7					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	<i>p,p'</i> -DDT	50-29-3	pos.	2					Kuiper et al. (1998)
MCF-7 hER(E)+CP	<i>p,p'</i> -DDT	50-29-3			5	pos.			Payne et al. (2001)
MCF-7 hER(E)+CP	<i>p,p'</i> -DDT	50-29-3				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>p,p'</i> -DDT	50-29-3	pos.		1.01-3.27				De Boever et al. (2001)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	<i>p,p'</i> -DDT	50-29-3	pos.	0.495					Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>p,p'</i> -DDT	50-29-3	pos.	0.00003					Coldham et al. (1997)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	<i>p,p'</i> -DDT	50-29-3	pos.	98x (10 $\mu$ M)*					Chen et al. (1997)
MCF-7 hER(E)+CP	DDT (technical)	8017-34-3				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	DDT (technical)	8017-34-3				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Decachlorobiphenyl	2051-24-3				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	2- <i>sec</i> -Decylphenol		neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>sec</i> -Decylphenol		pos.	0.00001	2				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Dehydroepiandrosterone	53-43-0	pos.	0.0018					Coldham et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Deltamethrin	52918-63-5	pos.						Otsuka Pharmaceutical (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 μM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Deltamethrin	52918-63-5				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Deltamethrin	52918-63-5				pos.			Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Deltamethrin	52918-63-5	pos.	16.07					Petit et al. (1997)
Yeast( <i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Desethylatrazine		neg.				neg.		Graumann et al. (1999)
Yeast( <i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Desisopropylatrazine		neg.				neg.		Graumann et al. (1999)
BG-1 hER(E)+Luc(T)	Dexamethasone	50-02-2	pos.	9					Rogers and Denison (2000)
Yeast( <i>S.cer.</i> .939) hER(S)+ -gal(S)	Dexamethasone	50-02-2	neg.	0					Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Dexamethasone	50-02-2	neg.						Arnold et al. (1996)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Dexamethasone	50-02-2	pos.	13					Petit et al. (1999)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	Dexamethasone	50-02-2	neg.	0					Chen et al. (1997)
MCF-7 hER(E)+CP	Diamyl phthalate	131-18-0				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Diamyl phthalate	131-18-0	neg.						Harris et al. (1997)
MCF-7 hER(E)+CP	Diazinon	333-41-5				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Dibenz[ <i>a,c</i> ]anthracene	215-58-7	neg.				neg.	102	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Dibenz[ <i>a,c</i> ]anthracene	215-58-7					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Dibenz[ <i>a,h</i> ]anthracene	53-70-3	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Dibenz[ <i>a,h</i> ]anthracene	53-70-3	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Dibenz[ <i>a,h</i> ]anthracene	53-70-3				neg.	pos.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Dibenz[ <i>a,h</i> ]anthracene	53-70-3	neg.				pos.	54	Tran et al. (1996)

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Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Dibenz[ <i>a,h</i> ]anthracene	53-70-3					pos.	76	Tran et al. (1996)
T47D hER(E)+Luc(S)	3,3'-Dibromobisphenol A		pos.		0.000025				Meerts et al. (2001)
T47D hER(E)+Luc(S)	2,6-Dibromo-4-(2,4,6-tribromophenoxy)phenol		neg.				neg.		Meerts et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,4-Di- <i>tert</i> -butyl-6(5-chloro-2H-benzotriazol-2-yl)phenol	3864-99-1	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,6-Di- <i>tert</i> -butyl-4-(dimethylamino-methyl)phenol	88-27-7	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4,6,-Di- <i>tert</i> -butyl-2,2'-ethylidene	35958-30-6	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	2,4-Dibutylphenol		neg.						Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	2,6-Dibutylphenol		neg.						Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,6-Di- <i>tert</i> -butylphenol	128-39-2	pos.	<0.00000005					Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Dibutyl phthalate	84-74-2	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER def(S)+Luc(S)	Dibutyl phthalate	84-74-2	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Dibutyl phthalate	84-74-2		37					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Harris et al. (1997)
MCF-7 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	Dibutyl phthalate	84-74-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Dibutyl phthalate	84-74-2	pos.				neg.		Jobling et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Dibutyl phthalate	84-74-2	pos.	0.000000002	74				Vinggaard et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Dibutyl phthalate	84-74-2	pos.	0.00001					Harris et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Dibutyl phthalate	84-74-2	neg.	0					Coldham et al. (1997)

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Yeast( <i>S.cer.</i> BJ-ECZ) $\alpha$ ER(S)+ -gal(S)	Dibutyl phthalate	84-74-2	pos.	23.57					Petit et al. (1997)
ZR-75 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	Dibutyl phthalate	84-74-2				pos.			Jobling et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) $\alpha$ ER(S)+ -gal(S)	Dicamba	1918-00-9	pos.	17.74					Petit et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) $\alpha$ ER(S)+ -gal(S)	Dichlobenil	1194-65-6	pos.	18.13					Petit et al. (1997)
MCF-7 hER(E)+CP	2,5-Dichlorobiphenyl	34883-39-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,5-Dichlorobiphenyl	34883-39-1				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP	2,6-Dichlorobiphenyl	33146-45-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	3,5-Dichlorobiphenyl	34883-41-5				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	3,5-Dichlorobiphenyl	34883-41-5				pos.	neg.		Gierthy et al. (1997)
HeLa mER(T)+CAT(T)	2,5-Dichloro-2',3'-biphenyldiol		pos.	5.62					Garner et al. (1999)
HeLa mER(T)+CAT(T)	2,5-Dichloro-3',4'-biphenyldiol		pos.	18.62					Garner et al. (1999)
MCF-7 hER(E)+CP	2',5'-Dichloro-2-biphenylol	53905-30-9				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	2',5'-Dichloro-3-biphenylol	53905-29-6				pos.			Soto et al. (1995)
HeLa mER(T)+CAT(T)	2,5-Dichloro-4'-biphenylol	53905-28-5	pos.	20.31					Garner et al. (1999)
MCF-7 hER(E)+CP	2,5-Dichloro-4'-biphenylol	53905-28-5				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,5-Dichloro-4'-biphenylol	53905-28-5				pos.	pos.		Gierthy et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2,5-Dichloro-4'-biphenylol	53905-28-5	pos.	0.62					Coldham et al. (1997)
MCF-7 hER(E)+CP	3,5-Dichloro-2'-biphenylol					neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	3,5-Dichloro-4'-biphenylol					neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	3,5-Dichloro-4'-diphenylol					pos.	pos.		Gierthy et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Dichlorophen	97-23-4	neg.						Miller et al. (2001)
MCF-7 hER(E)+CP	2,4-Dichlorophenol	120-83-2				neg.			Jones et al. (1998)

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ZR-75 hER(E)+CP	2,4-Dichlorophenol	120-83-2				neg.			Jobling et al. (1995)
MCF-7 hER(E)+CP	2,4-Dichlorophenoxyacetic acid	94-75-7				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	2,4-Dichlorophenoxyacetic acid	94-75-7	pos.	17.95					Petit et al. (1997)
MCF-7 hER(E)+CP	4-(2,4-Dichlorophenoxy)butanoic acid	94-82-6				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	1,2-Dichloropropane	78-87-5				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Diclofop-methyl	51338-27-3	pos.	41.41					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Dicofol	115-32-2	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Dicofol	115-32-2				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Dicofol	115-32-2				neg.			Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Dicofol	115-32-2	pos.	0.00001	3				Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Dicyclohexyl phthalate	84-61-7	neg.						Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Dieldrin	60-57-1	pos.						Xenobiotic Detection Systems (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	Dieldrin	60-57-1	pos.	16.87					Hodges et al. (2000)
MCF-7 hER(E)+CP	Dieldrin	60-57-1				neg.			Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP	Dieldrin	60-57-1				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	Dieldrin	60-57-1				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	Dieldrin	60-57-1				neg.	neg.		Arcaro et al. (1998)
MCF-7 hER(T)+CAT(T)	Dieldrin	60-57-1		3.9					Ramamoorthy et al. (1997a)
T47D hER(E)+Luc(S)	Dieldrin	60-57-1	pos.	0.00024	24.49				Legler et al. (1999)
Yeast( <i>S.cer.</i> .188R1) hER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	0.000004	20		neg.		Graumann et al. (1999)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	6x (25 $\mu$ M)*					Ramamoorthy et al. (1997a)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	0.6x (100 $\mu$ M)*					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Dieldrin	60-57-1	pos.	19.22					Petit et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Dienestrol	84-17-3	pos.	25.4					Coldham et al. (1997)
HEC-1 hER ( ) +CAT(T)+ gal(T)	<i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene			0.7	0.003				Sun et al. (1999)
HEC-1 hER ( ) +Luc(T)+ gal(T)	<i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene		pos.	0.04	0.05				Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	<i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene		neg.				pos.		Sun et al. (1999)
HEC-1 hER ( ) +Luc(T)+ gal(T)	<i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene		neg.				pos.		Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	R,R- <i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene			0.25	0.004				Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	R,R- <i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene		neg.				pos.		Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	S,S- <i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene			2	0.001				Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	S,S- <i>cis,cis</i> - Diethylidihydroxytetrahydrochrysene		pos.	0.025	0.4		pos.		Sun et al. (1999)
MCF-7 hER(E)+CP	Diethyl phthalate	84-66-2				neg.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Diethyl phthalate	84-66-2	pos.	0.0000000005	384				Vinggaard et al. (2000)
ZR-75 hER(E)+CP	Diethyl phthalate	84-66-2				neg.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Diethyl phthalate	84-66-2	pos.	0.00005					Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Diethylstilbestrol	56-53-1	pos.	66.7	0.000015				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Diethylstilbestrol	56-53-1	pos.	102					Rogers and Denison (2000)
CHO-K1 hER (S)+Luc(S)†	Diethylstilbestrol	56-53-1	pos.		0.0000244				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Diethylstilbestrol	56-53-1	pos.		0.0000189				Otsuka Pharmaceutical (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEK293 hER (T)+Luc(T)+gal(T)	Diethylstilbestrol	56-53-1	pos.	117					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Diethylstilbestrol	56-53-1	pos.	69					Kuiper et al. (1998)
HeLa hER (T)+Luc(T)	Diethylstilbestrol	56-53-1	pos.	51					Sumida et al. (2001)
HeLa mER(T)+CAT(T)*	Diethylstilbestrol	56-53-1	pos.	119 (1 nM)					Shelby et al. (1996)
Ishikawa hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Jones et al. (1998)
MCF-7 hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	Diethylstilbestrol	56-53-1				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	0.4	0.0005				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	100x (0.01 $\mu$ M)*					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	1	0.0002				Arnold et al. (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	74.3					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	157	0.000353				Gaido et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	25	0.0029				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	120	0.0043				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	100					Petit et al. (1999)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.		0.0003				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.		0.0001				Morito et al. (2001a)
Yeast( <i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Diethylstilbestrol	56-53-1	pos.	8x (0.1 $\mu$ M)*					Lascombe et al. (2000)



Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEC-1 hER ( ) +CAT(T)+ - gal(T)	(5 <i>R</i> ,11 <i>R</i> )-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	63			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ - gal(T)	(5 <i>R</i> ,11 <i>R</i> )-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		neg.	0			pos.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ - gal(T)	(5 <i>S</i> ,11 <i>S</i> )-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	82			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ - gal(T)	(5 <i>S</i> ,11 <i>S</i> )-5,11-Diethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	72			pos.		Meyers et al. (1999)
HeLa hER def(S)+Luc(S)	Dihexyl phthalate	84-75-3	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Dihexyl phthalate	84-75-3		16					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Dihexyl phthalate	84-75-3				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Dihexyl phthalate	84-75-3				neg.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	Dihexyl phthalate	84-75-3	neg.						Harris et al. (1997)
MCF-7 hER(E)+CP	Dihydrogenistein	21554-71-2				pos.			Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydrogenistein	21554-71-2	pos.		2				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydrogenistein	21554-71-2	pos.		0.05				Morito et al. (2001a)
MCF-7 hER(E)+CP	Dihydroglycitein	94105-88-1				neg.			Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydroglycitein	94105-88-1	pos.		10				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Dihydroglycitein	94105-88-1	pos.		10				Morito et al. (2001a)
BG-1 hER(E)+Luc(T)	5 -Dihydrotestosterone	521-18-6	pos.	9					Rogers and Denison (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ - gal(S)	5 -Dihydrotestosterone	521-18-6	pos.	0.00025					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	5 -Dihydrotestosterone	521-18-6	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> .939) hER(S)+ - gal(S)	5 -Dihydrotestosterone	521-18-6	pos.	0.034					Chen et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	5 -Dihydrotestosterone	521-18-6	pos.	0.0005	0.431				Gaido et al. (1997)
HepG2 hER (T)+Luc(T)+ -gal(T)	4,4'-Dihydroxybenzophenone	611-99-4	pos.	35			neg.	80	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	4,4'-Dihydroxybenzophenone	611-99-4	pos.	40			neg.	110 $\mu$ M	Gaido et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4,4'-Dihydroxybenzophenone	611-94-4	pos.	0.000025					Miller et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	4,5-Dihydroxybenzo[ <i>a</i> ]pyrene	37571-88-3	<sup>b</sup> ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	4,5-Dihydroxybenzo[ <i>a</i> ]pyrene	37571-88-3	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	7,8-Dihydroxybenzo[ <i>a</i> ]pyrene	60657-25-2	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	7,8-Dihydroxybenzo[ <i>a</i> ]pyrene	60657-25-2	ni						Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	9,10-Dihydroxybenzo[ <i>a</i> ]pyrene	58886-98-9	ni						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	9,10-Dihydroxybenzo[ <i>a</i> ]pyrene	58886-98-9	ni						Fertuck et al. (2001a)
MCF-7 hER(E)+CP	4,4'-Dihydroxychalcone	3600-61-1				pos.			Miksicek (1993)
HepG2 hER (T)+Luc(T)+ -gal(T)	Dihydroxy-DDE		pos.	100	0.074		neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Dihydroxy-DDE		pos.	25			pos.	30 $\mu$ M	Gaido et al. (2000)
MCF-7 hER(E)+CP	2,4'-Dihydroxy-4,6-dimethoxydihydrochalcone				2	pos.			Ichikawa et al. (1997)
MCF-7 hER(E)+CP	4,4'-Dihydroxy-2,6-dimethoxydihydrochalcone				0.6	pos.			Ichikawa et al. (1997)
HeLa hER(T)+CAT(T)	4'-Dihydroxyflavone	2196-14-7	pos.	77					Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	4'-Dihydroxyflavone	2196-14-7	pos.	45			pos.		Collins-Burow et al. (2000)
MCF-7 hER(E)+CP	Diisobutyl phthalate	84-69-5				pos.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Diisobutyl phthalate	84-69-5	pos.	0.00000001	102				Vinggaard et al. (2000)

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Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	Diisobutyl phthalate	84-69-5	pos.	0.00001					Harris et al. (1997)
ZR-75 hER(E)+CP	Diisobutyl phthalate	84-69-5				pos.			Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Diisodecyl phthalate	26761-40-0	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Diisodecyl phthalate	26761-40-0		0					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Diisodecyl phthalate	26761-40-0				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Diisodecyl phthalate	26761-40-0				neg.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	Diisodecyl phthalate	26761-40-0	neg.						Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Diisoheptyl phthalate	41451-28-9	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Diisoheptyl phthalate	41451-28-9		0					Zacharewski et al. (1998)
Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	Diisoheptyl phthalate	71850-09-4	neg.						Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Diisononyl phthalate	28553-12-0	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	Diisononyl phthalate	28553-12-0		0					Zacharewski et al. (1998)
MCF-7 hER(E)+CP	Diisononyl phthalate	28553-12-0				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	Diisononyl phthalate	28553-12-0				pos.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	Diisononyl phthalate	28553-12-0	weak						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ - gal(S)	2,6-Diisopropyl naphthalene	24157-81-1	pos.	0.000000003	53				Vinggaard et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	4,4'-Dimethoxybenzhydrol	728-87-0	weak	10			neg.	95	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	4,4'-Dimethoxybenzhydrol	728-87-0	pos.	10			neg.	100 $\mu$ M	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ - gal(T)	Dimethoxy-DDE		pos.	30			neg.	95	Gaido et al. (2000)

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HepG2 hER (T)+Luc(T)+ -gal(T)	Dimethoxy-DDE		pos.	15			neg.	80μM	Gaido et al. (2000)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	7,12-Dimethylbenz[ <i>a</i> ]anthracene	57-97-6	neg.				neg.	102	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	7,12-Dimethylbenz[ <i>a</i> ]anthracene	57-97-6					neg.		Tran et al. (1996)
MCF-7 hER(E)+CP	Dimethyl isophthalate	1459-93-4				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Dimethyl isophthalate	1459-93-4	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Dimethyl phthalate	131-11-3	neg.						Harris et al. (1997)
HeLa hER def(S)+Luc(S)	Dimethyl sulfoxide	67-68-5							Connor et al. (1997)
HeLa hER (T)+Luc(T)	Dimethyl sulfoxide	67-68-5	neg.	11.1					Sumida et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Dimethyl sulfoxide	67-68-5	pos.	0.03					Charles et al. (2000b)
MCF-7 hER(E)+CP	Dimethyl sulfoxide	67-68-5							Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP(F)	Dimethyl sulfoxide	67-68-5				neg.	neg.		Arcaro et al. (1999b)
MCF-7 hER(E)+Luc(T)	Dimethyl sulfoxide	67-68-5		0					Sumida et al. (2001)
MCF-7 hER(T)+CAT(T)	Dimethyl sulfoxide	67-68-5	pos.	100					Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	Dimethyl sulfoxide	67-68-5		3.9					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Dimethyl sulfoxide	67-68-5	pos.	17.94					Petit et al. (1997)
MCF-7 hER(E)+CP	Dimethylterephthalate	120-61-6				neg.			Soto et al. (1995)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	( <i>5R,11R</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	75			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	( <i>5R,11R</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		neg.	11			pos.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	( <i>5S,11S</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	88			neg.		Meyers et al. (1999)

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HEC-1 hER ( ) +CAT(T)+ gal(T)	(5 <i>S</i> ,11 <i>S</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	86			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	5,11- <i>trans</i> -Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	93			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	5,11- <i>trans</i> -Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol		pos.	80			neg.		Meyers et al. (1999)
Yeast( <i>S.cer.</i> ) hER(S)+ gal(S)	2,4-Dinonylphenol	137-99-5	pos.	0.000002	100				Routledge and Sumpter (1997)
MCF-7 hER(E)+CP	Dinonyl phthalate	84-76-4				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Dinoseb	88-85-7				neg.			Soto et al. (1995)
HeLa hER def(S)+Luc(S)	Di- <i>n</i> -octyl phthalate	117-84-0	neg.	0					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ gal(T)	Di- <i>n</i> -octyl phthalate	117-84-0		0					Zacharewski et al. (1998)
Yeast( <i>S.cer.</i> ) hER(S)+ gal(S)	Di- <i>n</i> -octyl phthalate	117-84-0	neg.						Harris et al. (1997)
HeLa hER(T)+CAT(T)	Diosgenin	512-04-9	neg.	21.25					Miksicek (1994)
BG-1 hER(E)+Luc(S)	1,4-Dioxane	123-91-1	neg.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ gal(S)	Diphenyl phthalate	84-62-8	neg.						Harris et al. (1997)
HEC-1 hER ( ) +CAT(T)+ gal(T)	5,11- <i>trans</i> -Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	63			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	5,11- <i>trans</i> -Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	45			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	(5 <i>R</i> ,11 <i>R</i> )-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	70			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	(5 <i>R</i> ,11 <i>R</i> )-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		neg.	0			pos.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	(5 <i>S</i> ,11 <i>S</i> )-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		pos.	76			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	(5 <i>S</i> ,11 <i>S</i> )-5,11-Dipropyl-5,6,11,12-tetrahydrochrysene-2,8 diol		neg.	10			pos.		Meyers et al. (1999)
BG-1 hER(E)+Luc(S)	Disulfoton	298-04-4	neg.						Xenobiotic Detection Systems (2001)

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MCF-7 hER(E)+CP	Ditridecyl phthalate	119-06-2				neg.			Harris et al. (1997)
ZR-75 hER(E)+CP	Ditridecyl phthalate	119-06-2				neg.			Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Ditridecyl phthalate	119-06-2	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Diundecyl phthalate	3648-20-2	neg.						Harris et al. (1997)
MCF-7(E3) hER(E)+CP	Diuron	330-54-1				neg.			Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Diuron	330-54-1	pos.	17.08					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Dodecyl gallate	1166-52-5	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Dodecylparaben	2664-60-0	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-sec -Dodecylphenol		pos.	0.0000001	2000				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-sec -Dodecylphenol dipropoxylate		neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Dodemorph	1593-77-7	pos.	16.13					Petit et al. (1997)
COS-1 mER (T)+Lucb(T)	Droloxifene	82413-20-5	pos.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Droloxifene	82413-20-5	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	Droloxifene	82413-20-5	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Droloxifene	82413-20-5	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	EM-652	37607-02-6	neg.				pos.		Tremblay et al. (1998)
BG-1 hER(E)+Luc(S)	- ndosulfan	959-98-8	pos.						Xenobiotic Detection Systems (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	- ndosulfan	959-98-8	pos.	6.7					Hodges et al. (2000)

## Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	- ndosulfan	959-98-8				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	- ndosulfan	959-98-8				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	- ndosulfan	959-98-8			10		neg.		Arcaro et al. (1998)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	- ndosulfan	959-98-8	pos.	25.87					Petit et al. (1997)
HEK293 hER (T)+Luc(T)+ gal(T)	, -Endosulfan	115-29-7	pos.	6					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	, -Endosulfan	115-29-7	neg.	1					Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	, -Endosulfan	115-29-7	pos.	6 (1 $\mu$ M)					Shelby et al. (1996)
MCF-7 hER(E)+CP	, -Endosulfan	115-29-7				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	, -Endosulfan	115-29-7				pos.			Soto et al. (1995)
T47D hER(E)+Luc(S)	, -Endosulfan	115-29-7	pos.	0.001	5.92				Legler et al. (1999)
Yeast( <i>S.cer.</i> 188R1) hER(S)+ -gal(S)	, -Endosulfan	115-29-7	pos.	0.000004	20		neg.		Graumann et al. (1999)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	, -Endosulfan	115-29-7	pos.	16x (25 $\mu$ M)*					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	, -Endosulfan	115-29-7	pos.	33x (100 $\mu$ M)*					Ramamoorthy et al. (1997a)
BG-1 hER(E)+Luc(S)	- ndosulfan	33213-65-9	pos.						Xenobiotic Detection Systems (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	- ndosulfan	33213-65-9	pos.	6.7					Hodges et al. (2000)
MCF-7 hER(E)+CP	- ndosulfan	33213-65-9				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	- ndosulfan	33213-65-9				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	- ndosulfan	33213-65-9			10		neg.		Arcaro et al. (1998)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	- ndosulfan	33213-65-9	pos.	20.72					Petit et al. (1997)
BG-1 hER(E)+Luc(S)	Endrin	72-20-8	pos.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Endrin	72-20-8	pos.						Xenobiotic Detection Systems (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
BG-1 hER(E)+Luc(S)	Endrin aldehyde	7421-93-4	neg.						Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(S)	Epichlorohydrin	106-89-8	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Epidermal growth factor	62229-50-9				weak			Jones et al. (1998)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	17 -Epiestosterone	481-30-1	neg.						Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	d-Equilenin	517-09-9				pos.			Soto et al. (1995)
CHO-K1 hER (T)+Luc(T)†	Equilin	474-86-2	pos.		0.0000403				Otsuka Pharmaceutical (2001)
CHO-K1 hER (S)+Luc(S)†	Equol	531-95-3	pos.		0.04				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Equol	531-95-3	pos.		0.0134				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Equol	531-95-3				pos.			Morito et al. (2001a)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Equol	531-95-3	pos.	0.085					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Equol	531-95-3	pos.	86.28					Petit et al. (1997)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Equol	531-95-3	pos.		0.4				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Equol	531-95-3	pos.		0.02				Morito et al. (2001a)
CHO-K1 hER (T)+Luc(T)†	17 -Estradiol	57-91-0	pos.		0.0000456				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	17 -Estradiol	57-91-0				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	17 -Estradiol	57-91-0				pos.			Soto et al. (1995)
T47D hER(E)+Luc(T)	17 -Estradiol	57-91-0	pos.	3					Hoogenboom et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	0.015	0.002				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	0.05	0.004				Routledge and Sumpter (1997)



Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	5.25					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	14	0.0052				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	17 -Estradiol	57-91-0	pos.	4.4	0.14				Le Guevel and Pakdel (2001)
BG-1 hER(E)+Luc(S)	17 -Estradiol	50-28-2	pos.	100	0.00001				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	17 -Estradiol	50-28-2	pos.	100					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	17 -Estradiol	50-28-2	pos.		0.0000123				Otsuka Pharmaceutical (2001)
COS-1 mER (T)+Lucb(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	17 -Estradiol	50-28-2	pos.						Tremblay et al. (1998)
ELT-3 hER(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Hodges et al. (2000)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.		0.000015				Kraichely et al. (2000)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.00002				Sun et al. (1999)
HEC-1 hER ( ) +Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.00002				Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.		0.0001				Kraichely et al. (2000)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.0001				Sun et al. (1999)
HEC-1 hER ( ) +Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.						Sun et al. (1999)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEK293+hER (S)+Luc(S)	17 -Estradiol	50-28-2	pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	17 -Estradiol	50-28-2	pos.						Meerts et al. (2001)
HEK293 hER (S)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK-293 hER ( )+ Luc(T)	17 -Estradiol	50-28-2	pos.	100			pos.	100	Collins-Burow et al. (2000)
HEK-293 hER ( )+ Luc(T)	17 -Estradiol	50-28-2	pos.	100				100	Collins-Burow et al. (2000)
HEK293 hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)+ gal(T)	17 -Estradiol	50-28-2	pos.	100					Kuiper et al. (1998)
HEK293 hER (S)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)+ gal(T)	17 -Estradiol	50-28-2	pos.	100					Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	17 -Estradiol	50-28-2		100					Connor et al. (1997)
HeLa hER def(S)+Luc(S)	17 -Estradiol	50-28-2	pos.	100					Moore et al. (1997)
HeLa hER def(S)+Luc(S)	17 -Estradiol	50-28-2	pos.	100					Zacharewski et al. (1998)
HeLa hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.	100					Sumida et al. (2001)
HeLa hER (T)+Luc(T)+ gal(T)	17 -Estradiol	50-28-2	pos.	100	0.00001				Gaido et al. (1999)
HeLa hER (T)+Luc(T)+ gal(T)	17 -Estradiol	50-28-2	pos.	100	0.000005				Gaido et al. (1999)
HeLa hER(S)+Luc(S)	17 -Estradiol	50-28-2	pos.		0.00003				Balaguer et al. (1996)
HeLa hER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	100					Miksicek (1993)
HeLa hER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	100	0.00001				Miksicek (1994)
HeLa mER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	100					Garner et al. (1999)
HeLa mER(T)+CAT(T)	17 -Estradiol	50-28-2		100		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	17 -Estradiol	50-28-2	pos.	54x (1 nM)					Makela et al. (1994)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HeLa mER(T)+CAT(T)*	17 -Estradiol	50-28-2	pos.	100 (1 nM)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.004				Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.003		neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.0099				Gould et al. (1998)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.008				Gaido et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.007		neg.	100 $\mu$ M	Gaido et al. (2000)
HepG2 hER(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Ramamoorthy et al. (1997b)
HepG2 rER (T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.001				Gaido et al. (1999)
Ishikawa hER(E)+CP	17 -Estradiol	50-28-2				pos.			Le Guevel and Pakdel (2001)
Ishikawa hER(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	1				100%	Klotz et al. (1997)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100	0.000096				Charles et al. (2000a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	1					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.		0.00058				Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Connor et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.00035				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	1	0.00035				Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100					Fielden et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 μM)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1	0.000053				Matthews et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100					Zacharewski et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1	0.000083				Matthews et al. (2001)
MCF-7 hER(E)+CAT(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.					100	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Fielden et al. (1997)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Go et al. (1999)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Harris et al. (1997)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.	pos.		Jones et al. (1998)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2			0.00001	pos.			Komer et al. (1998)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Makela et al. (1994)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Mellanen et al. (1996)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Miksicek (1993)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Miodini et al. (1999)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Moore et al. (1997)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Soto et al. (1994)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2			0.00001	pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2			0.0003	pos.			Arcaro et al. (1999b)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP(F)	17 -Estradiol	50-28-2				pos.			Tamir et al. (2000)
MCF-7 hER(E)+Luc(S)	17 -Estradiol	50-28-2			0.0015				Kramer et al. (1997)
MCF-7 hER(E)+Luc(T)	17 -Estradiol	50-28-2	pos.						Yoshihara et al. (2001)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.	100					Collins-Burow et al. (2000)
MCF-7 hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2	pos.						Jobling et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1					Klotz et al. (1996)
MCF-7 hER(E)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1				100%	Klotz et al. (1997)
MCF-7 hER(T)+CAT(T)	17 -Estradiol	50-28-2	pos.	312			neg.	100	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	17 -Estradiol	50-28-2		100					Ramamoorthy et al. (1997a)
MCF-7 hER(T)+CAT(T)	17 -Estradiol	50-28-2		100					Ramamoorthy et al. (1997b)
MCF-7 hER(T)+Luc(T)	17 -Estradiol	50-28-2		100					Ramamoorthy et al. (1997b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		100	0.00013				Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	17 -Estradiol	50-28-2		1	0.00013				Fertuck et al. (2001b)
MCF-7(M) hER(E)+CP	17 -Estradiol	50-28-2				pos.			Collins-Burow et al. (2000)
MCF-7(Bos) hER(E)+CP	17 -Estradiol	50-28-2		100	0.00000122	pos.			Schlumpf et al. (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(BUS) hER(E)+CP	17 -Estradiol	50-28-2				pos.			Schafer et al. (1999)
MCF-7(E3) hER(E)+CP	17 -Estradiol	50-28-2			0.000008	pos.			Vinggaard et al. (1999)
MCF-7(E3) hER(E)+CP	17 -Estradiol	50-28-2			0.00152	pos.			Wiese et al. (1997)
MCF-7(McGrath) hER(E)+CP	17 -Estradiol	50-28-2				pos.			Nakagawa and Suzuki (2001)
MCF-7(MELN41) hER(E)+Luc(S)	17 -Estradiol	50-28-2	pos.		0.0001				Lascombe et al. (2000)
MDA-MB-231 hER (T)+Luc(T)	17 -Estradiol	50-28-2	pos.						Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER(T)+Luc(T)	17 -Estradiol	50-28-2	pos.	1					Ramamoorthy et al. (1997b)
T47D hER(E)+CAT(T)	17 -Estradiol	50-28-2	pos.	1					Nakagawa and Suzuki (2001)
T47D hER(E)+CP	17 -Estradiol	50-28-2				pos.			Mellanen et al. (1996)
T47D hER(E)+CP	17 -Estradiol	50-28-2				pos.			Schafer et al. (1999)
T47D hER(E)+CP	17 -Estradiol	50-28-2				pos.			Tamir et al. (2000)
T47D hER(E)+Luc(S)	17 -Estradiol	50-28-2	pos.	100	0.000006				Legler et al. (1999)
T47D hER(E)+Luc(S)	17 -Estradiol	50-28-2			0.00001				Meerts et al. (2001)
T47D hER(E)+Luc(T)	17 -Estradiol	50-28-2	pos.	100					Hoogenboom et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00011-0.00056				De Boever et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.000051				Elsby et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0002				Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00004				Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00002				Vinggaard et al. (2000)

## Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)+S9	17 -Estradiol	50-28-2	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1					Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0006				Moffat et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00015				Odum et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00013				Rajapakse et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00003				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0002				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> 188R1) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.00007				Graumann et al. (1999)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1				100	Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100x (0.01 $\mu$ M)*					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1	0.0002				Arnold et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	17 -Estradiol	50-28-2		100x (0.01 $\mu$ M)*					Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ3503) hER(S)+ -gal(S)	17 -Estradiol	50-28-2		1	0.00009				Ramamoorthy et al. (1997b)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100	0.000225				Gaido et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100	0.00074				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100	0.0052				Le Guevel and Pakdel (2001)

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Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100					Petit et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100					Petit et al. (1999)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	100x (0.1 $\mu$ M)*			pos.	100	Chen et al. (1997)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	17 -Estradiol	50-28-2	pos.	1			neg.	100	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	17 -Estradiol	50-28-2						100	Tran et al. (1996)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00002				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00025				Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.00002				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.		0.0002				Morito et al. (2001b)
Yeast( <i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	17 -Estradiol	50-28-2	pos.						Lascombe et al. (2000)
ZR-75 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Harris et al. (1997)
ZR-75 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Jobling et al. (1995)
ZR-75 hER(E)+CP	17 -Estradiol	50-28-2							Nakagawa and Suzuki (2001)
ZR-75-1 hER(E)+CP	17 -Estradiol	50-28-2				pos.			Schafer et al. (1999)
T47D hER(E)+Luc(T)	Estradiol benzoate	50-50-0	pos.	25					Hoogenboom et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Estradiol benzoate	50-50-0	pos.	0.08	0.0018				Odum et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol-3 -D -gluconate	15270-30-1	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Estradiol-3 -D -gluconate	15270-30-1	pos.	0.32					Coldham et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Estradiol glucuronide	1806-98-0	neg.	0					Routledge and Sumpter (1997)



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Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	17 -Estradiol-3-glucuronide-17-sulfate		neg.	0					Coldham et al. (1997)
T47D hER(E)+Luc(T)	17 -Estradiol oleate	82204-99-7	pos.	1					Hoogenboom et al. (2001)
T47D hER(E)+Luc(T)	17 -Estradiol palmitate	126143-99-5	pos.	5					Hoogenboom et al. (2001)
Yeast(S.cer. ) hER (S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.003					Beresford et al. (2000)
Yeast(S.cer. ) hER (S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.00003					Beresford et al. (2000)
Yeast(S.cer. ) hER (S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.1					Beresford et al. (2000)
Yeast(S.cer. ) hER(S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.15	0.02				Routledge and Sumpter (1996)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	17 -Estradiol-3-sulfate	28814-94-0	pos.	0.01					Coldham et al. (1997)
MCF-7(E3) hER(E)+CP	6,8-Estrapentaene-3,17 -diol	1423-97-8			0.0125	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	6-Estratetraene-3,17 -diol	7291-41-0			0.00419	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	7-Estratetraene-3,17 -diol	3563-27-7			0.00154	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	9-Estratetraene-3,17 -diol	791-69-5			0.099	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-1,17 -diol	126654-96-4			1.59	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-2,17 -diol	2259-89-4			0.033	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,16 -diol	1090-04-6			0.237	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,17 -diol				0.382	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-4,17 -diol	17592-89-1			4.76	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,11 ,17 -triol	1464-61-5			0.0365	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,11 ,17 -triol	5444-22-4			0.0163	pos.			Wiese et al. (1997)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Estratriene-3,6 ,17 -triol	1229-24-9	pos.	3.2	0.003				Charles et al. (2000a)
MCF-7(E3) hER(E)+CP	Estratriene-3,6 ,17 -triol	1229-24-9			0.186	pos.			Wiese et al. (1997)

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MCF-7 hER def(T)+Luc(T)+ -gal(T)	Estratriene-3,6 ,17 -triol	3583-03-7	pos.	0.32	0.03				Charles et al. (2000a)
MCF-7(E3) hER(E)+CP	Estratriene-3,6 ,17 -triol	3583-03-7			0.0571	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,7 ,17 -triol	3398-11-6			0.153	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratriene-3,7 ,17 -triol	2487-46-9			0.0122	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratrien-17 -ol	2529-64-8			0.316	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	Estratrien-3-ol	53-63-4			0.118	pos.			Wiese et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Estratrien-3-ol	53-63-4	pos.	0.05	0.0032				Odum et al. (1997)
MCF-7 hER(E)+CP	Estriol	50-27-1				pos.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Estriol	50-27-1			0.0483	pos.			Wiese et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Estriol	50-27-1	pos.	0.025	0.008				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Estriol	50-27-1	pos.	0.63					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Estriol	50-27-1	pos.	0.004	0.0616				Gaido et al. (1997)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Estriol	50-27-1	pos.	13.5	0.00071				Charles et al. (2000a)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Estriol	50-27-1	pos.	75					Petit et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Estrone	53-16-7	pos.		0.0000193				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	Estrone	53-16-7				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Estrone	53-16-7	pos.	1.5	0.0063				Charles et al. (2000a)
MCF-7 hER(E)+CP	Estrone	53-16-7				pos.			Makela et al. (1994)
MCF-7 hER(E)+CP	Estrone	53-16-7				pos.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Estrone	53-16-7			0.0772	pos.			Wiese et al. (1997)

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T47D hER(E)+CP	Estrone	53-16-7				pos.			Makela et al. (1994)
T47D hER(E)+Luc(T)	Estrone	53-16-7	pos.	100					Hoogenboom et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Estrone	53-16-7	pos.	0.67	0.0003				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Estrone	53-16-7	pos.	9.6					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Estrone	53-16-7	pos.	35	0.0021				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Estrone	53-16-7	pos.	19	0.022				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Estrone	53-16-7	pos.	74					Petit et al. (1999)
HeLa hER(T)+CAT(T)	Ethanol	64-17-5	pos.	26					Miksicek (1993)
MCF-7 hER(E)+CP	Ethanol	64-17-5				neg.			Go et al. (1999)
MCF-7 hER(E)+CP	Ethanol	64-17-5				neg.			Harris et al. (1997)
MCF-7 hER(E)+CP	Ethanol	64-17-5				neg.			Jones et al. (1998)
T47D hER(E)+Luc(S)	Ethanol	64-17-5	neg.						Meerts et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Ethanol	64-17-5	neg.	0	0				Vinggaard et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Ethanol	64-17-5	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Ethanol	64-17-5	pos.	14					Petit et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Ethanol	64-17-5	pos.	11					Petit et al. (1999)
ZR-75 hER(E)+CP	Ethanol	64-17-5				neg.			Harris et al. (1997)
CHO-K1 hER (S)+Luc(S)†	17 -Ethinyl estradiol	57-63-6	pos.		0.0000073				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	17 -Ethinyl estradiol	57-63-6	pos.		0.0000144				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	17 -Ethinyl estradiol	57-63-6				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	17 -Ethinyl estradiol	57-63-6				pos.			Soto et al. (1995)

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Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	17 -Ethinyl estradiol	57-63-6	pos.	88.8					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	17 -Ethinyl estradiol	57-63-6	pos.	120	0.00062				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	17 -Ethinyl estradiol	57-63-6	pos.	147	0.0036				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	S-Ethyl dipropylthiocarbamate	759-94-4	pos.	16.76					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	2-Ethylhexyl isodecyl phthalate	53272-22-3	neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Ethylhexyl salicylate	118-60-5	pos.	<0.0000001					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Ethylparaben	120-47-8	pos.	0.000005					Miller et al. (2001)
MCF-7 hER(E)+CP	4-Ethylphenol	123-07-9				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Ethylphenol	123-07-9	neg.						Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Ethyl vanillin	121-32-4	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Eugenol	97-53-0	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	Famphur	52-85-7	neg.						Xenobiotic Detection Systems (2001)
MCF-7(E3) hER(E)+CP	Fenarimol	60168-88-9			2	pos.	pos.		Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Fenarimol	60168-88-9	pos.	0.000003	12				Vinggaard et al. (1999)
CHO-K1 hER (T)+Luc(T)†	Fenbuconazole	14369-43-6	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER (T)+Luc(T)	Fenvalerate	51630-58-1	neg.	9.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Fenvalerate	51630-58-1				pos.			Go et al. (1999)
HEK-293 hER ( )+ Luc(T)	Flavone	525-82-6	neg.	0			pos.	0	Collins-Burow et al. (2000)
HEK-293 hER ( )+ Luc(T)	Flavone	525-82-6	neg.	0			pos.	35.1	Collins-Burow et al. (2000)

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HEK293 hER (T)+Luc(T)+gal(T)	Flavone	525-82-6	pos.	2					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Flavone	525-82-6	pos.	2					Kuiper et al. (1998)
MCF-7 hER(E)+CP	Flavone	525-82-6				neg.			Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Flavone	525-82-6	neg.	0			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Flavone	525-82-6				neg.	pos.		Collins-Burow et al. (2000)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Fluazifop-butyl	69806-50-4	pos.	16.87					Petit et al. (1997)
MCF-7 hER(E)+CP(F)	Fluoranthene	206-44-0				neg.	neg.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Fluoranthene	206-44-0	neg.				neg.	96	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Fluoranthene	206-44-0					neg.		Tran et al. (1996)
BG-1 hER(E)+Luc(S)	Fluorene	86-73-7	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Fluorene	86-73-7	neg.		0				Clemons et al. (1998)
MCF-7 hER(E)+CP(F)	Fluorene	86-73-7				neg.	neg.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Fluorene	86-73-7	neg.				neg.	101	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Fluorene	86-73-7					neg.		Tran et al. (1996)
CHO-K1 hER (T)+Luc(T)†	Flutamide	13311-84-7	neg.		0				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Formononetin	485-72-3	pos.	6			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Formononetin	485-72-3	pos.	2			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Formononetin	485-72-3	pos.	58.75	0.3				Miksicek (1994)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Formononetin	485-72-3	pos.	0.0056					Coldham et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Formononetin	485-72-3	neg.				pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Formononetin	485-72-3	pos.		16		pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Gallic acid	149-91-7	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	Genistein	446-72-0	pos.	0.016	0.062				Xenobiotic Detection Systems (2001)
BG-1 hER(E)+Luc(T)	Genistein	446-72-0	pos.	70					Rogers and Denison (2000)
CHO-K1 hER (S)+Luc(S)†	Genistein	446-72-0	pos.		0.0273				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Genistein	446-72-0	pos.		0.00423				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Genistein	446-72-0	pos.	198			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Genistein	446-72-0	pos.	182			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Genistein	446-72-0	pos.	123.75	0.09				Miksicek (1994)
HeLa mER(T)+CAT(T)	Genistein	446-72-0		26		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	Genistein	446-72-0	pos.	17x (100 nM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Genistein	446-72-0				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Genistein	446-72-0				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Genistein	446-72-0				neg.	pos.		Miodini et al. (1999)
MCF-7 hER(E)+CP	Genistein	446-72-0				pos.			Morito et al. (2001a)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Genistein	446-72-0	pos.	83			pos.		Collins-Burow et al. (2000)
T47D hER(E)+CP	Genistein	446-72-0				pos.	neg.		Makela et al. (1994)
T47D hER(E)+Luc(S)	Genistein	446-72-0	pos.	0.06	0.1				Legler et al. (1999)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		76.4-1.40				De Boever et al. (2001)

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Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Genistein	446-72-0	pos.	0.0001					Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Genistein	446-72-0	pos.	0.0008	0.038				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Genistein	446-72-0	pos.	0.049					Coldham et al. (1997)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		3				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		16		neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		0.1				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistein	446-72-0	pos.		0.25		neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	5-OMe-Genistein		neg.				pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	5-OMe-Genistein		pos.		20		pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	7-OMe-Genistein		neg.				pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	7-OMe-Genistein		pos.				pos.		Morito et al. (2001b)
MCF-7 hER(E)+CP	Genistin	529-59-9				pos.			Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	neg.						Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	neg.				neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	pos.		10				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Genistin	529-59-9	neg.				neg.		Morito et al. (2001b)
HeLa hER(T)+CAT(T)	Gibberellic acid	77-06-5	neg.	7.25					Miksicek (1994)
MCF-7 hER(E)+CP(F)	Glabridin	59870-68-7				pos.	neg.		Tamir et al. (2000)
T47D hER(E)+CP	Glabridin	59870-68-7				pos.	neg.		Tamir et al. (2000)

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MCF-7 hER(E)+CP	Glycitein	40957-83-3				neg.			Morito et al. (2001a)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Glycitein	40957-83-3	neg.						De Boever et al. (2001)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitein	40957-83-3	pos.		30				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitein	40957-83-3	pos.		1				Morito et al. (2001a)
MCF-7 hER(E)+CP	Glycitin					neg.			Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitin		neg.						Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Glycitin		neg.						Morito et al. (2001a)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Glyphosate	1071-83-6	pos.	15.84					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	HEPES	7365-45-9	neg.				neg.		Moffat et al. (2001)
BG-1 hER(E)+Luc(S)	Heptachlor	76-44-8	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Heptachlor	76-44-8				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Heptachlor	76-44-8				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CAT(T)+ -gal(T)	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3	neg.				pos.	65	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3				neg.	pos.		Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER (T)+Luc(T)	2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3					pos.		Bonefeld-Jørgensen et al. (2001)
HeLa hER def(S)+Luc(S)	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3	weak	9			pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8	weak	3			pos.		Moore et al. (1997)
MCF-7 hER(E)+CP	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8				neg.	pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3,4',5,5',6-Heptachloro-4-biphenylol	158076-68-7	pos.	7			pos.		Moore et al. (1997)
MCF-7 hER(E)+CP	2,2',3,4',5,5',6-Heptachloro-4-biphenylol	158076-68-7				neg.	pos.		Moore et al. (1997)



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Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	4- <i>n</i> -Heptylphenol	1987-50-4	pos.	0.000015	13.3				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ - gal(S)	4- <i>tert</i> -Heptylphenol		pos.	0.0003	0.6				Routledge and Sumpter (1997)
BG-1 hER(E)+Luc(S)	Hexachlorobenzene	118-74-1	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP	Hexachlorobenzene	118-74-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2				pos.			Soto et al. (1995)
MCF-7 hER(E)+CAT(T)+ - gal(T)	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2	neg.				pos.	36	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2				neg.	pos.		Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER (T)+Luc(T)	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2					pos.		Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CAT(T)+ - gal(T)	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1	neg.				pos.	41	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1				neg.	pos.		Bonefeld-Jørgensen et al. (2001)
MDA-MB-231 hER (T)+Luc(T)	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1					pos.		Bonefeld-Jørgensen et al. (2001)
MCF-7 hER def(T)+Luc(T)+ - gal(T)	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2		0			pos.		Fielden et al. (1997)
MCF-7 hER(E)+CP	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2				pos.	pos.		Fielden et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3,3',4',5'-Hexachloro-4-biphenylol	158076-62-1	neg.	3			neg.		Moore et al. (1997)
MCF-7 hER(E)+CP	2,2',3,3',4',5'-Hexachloro-4-biphenylol	158076-62-1				neg.	pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7	neg.	0			pos.		Moore et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3,3',4',5,5'-Hexachloro-4-biphenylol	158076-63-2			3.8		pos.		Kramer et al. (1997)
MCF-7 hER(E)+CP	-Hexachlorocyclohexane	319-85-7			3	pos.			Payne et al. (2001)
CHO-K1 hER (T)+Luc(T)†	-Hexachlorocyclohexane	319-85-7	neg.		0				Otsuka Pharmaceutical (2001)

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HEK293 hER (S)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- <i>y</i> -2-benzopyrene		neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- <i>y</i> -2-benzopyrene		pos.						Seinen et al. (1999)
HEK293 hER (S)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- <i>y</i> -2-benzopyrene		neg.						Seinen et al. (1999)
HEK293 hER (T)+Luc(T)	1,2,4,6,7,8-Hexahydro-4,6,6,7,8-hexamethylcyclopenta- <i>y</i> -2-benzopyrene		neg.						Seinen et al. (1999)
MCF-7 hER(E)+CP	Hexazinone	51235-04-2				neg.			Soto et al. (1995)
HeLa hER(T)+CAT(T)	Hexestrol	84-16-2	pos.		0.0002				Miksicek (1993)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Hexestrol	84-16-2	pos.	30.6					Coldham et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Hexyl decyl phthalate		neg.						Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Hexyl 2-ethylhexyl phthalate		neg.						Harris et al. (1997)
MCF-7 hER(E)+CP	4-Hexyloxyphenol	18979-55-0				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>tert</i> -Hexylphenol	2446-69-7	pos.	0.0002	1				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Hexyl salicylate	6259-76-3	neg.						Miller et al. (2001)
MCF-7(Bos) hER(E)+CP	Homosalate	118-56-9		36.81	1.56	pos.			Schlumpf et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[ <i>j</i> ]naphtho(2,3- <i>d</i> )thiophene		weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[ <i>j</i> ]naphtho(2,3- <i>d</i> )thiophene		weak						Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2-Hydroxybenzo[ <i>c</i> ]phenanthrene	22717-94-8	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	2-Hydroxybenzo[ <i>c</i> ]phenanthrene	22717-94-8	weak						Fertuck et al. (2001b)

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MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxy-benzo[ <i>b</i> ]phenanthro(2,3- <i>d</i> )thiophene		pos.	2.2	0.16				Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	3-Hydroxy-benzo[ <i>b</i> ]phenanthro(2,3- <i>d</i> )thiophene		pos.	3.25	0.04				Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	1-Hydroxybenzo[ <i>a</i> ]pyrene	13345-23-8		0.004	3.2				Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	1-Hydroxybenzo[ <i>a</i> ]pyrene	13345-23-8		0.004	3.2				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[ <i>a</i> ]pyrene	13345-21-6	pos.	1.6					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[ <i>a</i> ]pyrene	13345-21-6	wi						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	3-Hydroxybenzo[ <i>a</i> ]pyrene	13345-21-6		0.062	0.21				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	(+)- <i>trans</i> -7,8-Hydroxybenzo[ <i>a</i> ]pyrene	61443-57-0	neg.	0					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	7-Hydroxybenzo[ <i>a</i> ]pyrene	37994-82-4	wi						Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	7-Hydroxybenzo[ <i>a</i> ]pyrene	37994-82-4		0.03	0.43				Fertuck et al. (2001a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	<i>trans</i> -9,10-Hydroxybenzo[ <i>a</i> ]pyrene		pos.	0.2					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	9-Hydroxybenzo[ <i>a</i> ]pyrene	17573-21-6	pos.	1.12					Charles et al. (2000b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	9-Hydroxybenzo[ <i>a</i> ]pyrene	17573-21-6		0.011	1.2				Fertuck et al. (2001a)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	9-Hydroxybenzo[ <i>a</i> ]pyrene	17573-21-6		0.03	0.43				Fertuck et al. (2001a)
MCF-7 hER(E)+CP	3-Hydroxybisphenol A					pos.			Nakagawa and Suzuki (2001)

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MCF-7 hER(E)+CP	1-Hydroxychloridene	2597-11-7				pos.			Soto et al. (1995)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2-Hydroxychrysene	65945-06-4	weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	2-Hydroxychrysene	65945-06-4	pos.	2.1	0.063				Fertuck et al. (2001b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	6-Hydroxychrysene	37515-51-8	neg.				pos.	74	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	6-Hydroxychrysene	37515-51-8					pos.	71	Tran et al. (1996)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	7-Hydroxycoumarin	93-35-6	neg.						Miller et al. (2001)
HeLa mER(T)+CAT(T)	2-Hydroxyestradiol	362-05-0	pos.	29.42					Garner et al. (1999)
T47D hER(E)+Luc(T)	2-Hydroxyestradiol	362-05-0	pos.	0.015					Hoogenboom et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2-Hydroxyestradiol	362-05-0	pos.	0.003	0.0195				Elsby et al. (2001)
HeLa mER(T)+CAT(T)	4-Hydroxyestradiol	5976-61-4	pos.	38.78					Garner et al. (1999)
T47D hER(E)+Luc(T)	4-Hydroxyestradiol	5976-61-4	pos.	45					Hoogenboom et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2-Hydroxyestriol	1232-80-0	pos.	0.0048	2				Charles et al. (2000a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	16 -Hydroxyestriol		pos.	9.6	0.001				Charles et al. (2000a)
T47D hER(E)+Luc(T)	2-Hydroxyestrone	362-06-1	pos.	0.065					Hoogenboom et al. (2001)
T47D hER(E)+Luc(T)	4-Hydroxyestrone	3131-23-5	pos.	0.54					Hoogenboom et al. (2001)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	11 -Hydroxyestrone	6803-21-0	pos.	0.096	0.1				Charles et al. (2000a)
MCF-7 hER(E)+CP	16-Hydroxyestrone	18186-49-7				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	N- -Hydroxyethyl oleyl imidazoline		neg.						Routledge and Sumpter (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2-Hydroxy-5-methylchrysene		weak						Fertuck et al. (2001b)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 mER def(T)+Luc(T)+ -gal(T)	2-Hydroxy-5-methylchrysene		pos.	0.09	0.32				Fertuck et al. (2001b)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	8-Hydroxy-5-methylchrysene		weak						Fertuck et al. (2001b)
MCF-7 mER def(T)+Luc(T)+ -gal(T)	8-Hydroxy-5-methylchrysene		weak						Fertuck et al. (2001b)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>N</i> -(4-Hydroxyphenyl)stearamide	103-99-1	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Hydroxyprogesterone	650-66-8	neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) ER hER(S)+ -gal(S)	1-Hydroxypyrene	5315-79-7	neg.				neg.	104	Tran et al. (1996)
Yeast( <i>S.cer.</i> ) ER179C hER(S)+ -gal(S)	1-Hydroxypyrene	5315-79-7					neg.		Tran et al. (1996)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	8-Hydroxyquinoline	148-24-3	neg.						Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	4-Hydroxytamoxifen	68047-06-3	neg.		0		pos.		Otsuka Pharmaceutical (2001)
COS-1 mER (T)+Lucb(T)	4-Hydroxytamoxifen	68047-06-3	pos.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Tremblay et al. (1998)
HEK-293 hER ( )+ Luc(T)	4-Hydroxytamoxifen	68047-06-3							Collins-Burow et al. (2000)
HEK-293 hER ( )+ Luc(T)	4-Hydroxytamoxifen	68047-06-3							Collins-Burow et al. (2000)
HeLa hER(T)+CAT(T)	4-Hydroxytamoxifen	68047-06-3					pos.		Miksicek (1994)
HeLa mER(T)+CAT(T)*	4-Hydroxytamoxifen	68047-06-3	pos.	36x (10 nM)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+ -gal(T)	4-Hydroxytamoxifen	68047-06-3	pos.				pos.		Gould et al. (1998)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	4-Hydroxytamoxifen	68047-06-3	neg.	0			pos.		Collins-Burow et al. (2000)

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MCF-7 hER(E)+Luc(T)+ -gal(T)	4-Hydroxytamoxifen	68047-06-3					pos.		Jobling et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	4-Hydroxytamoxifen	68047-06-3					pos.		Klotz et al. (1996)
MCF-7(M) hER(E)+CP	4-Hydroxytamoxifen	68047-06-3					pos.		Collins-Burow et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3					pos.		Moffat et al. (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	pos.	0.0073			pos.		Coldham et al. (1997)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	4-Hydroxytamoxifen	68047-06-3	neg.				pos.		Morito et al. (2001b)
MCF-7 hER(E)+CP	6-Hydroxytetralin	1125-78-6				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	6-Hydroxytetralin	1125-78-6	pos.	0.0000007	70				Elsby et al. (2001)
COS-1 mER (T)+Lucb(T)	Hydroxytoremifene	110503-62-3	pos.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Hydroxytoremifene	110503-62-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	Hydroxytoremifene	110503-62-3	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Hydroxytoremifene	110503-62-3	neg.				pos.		Tremblay et al. (1998)
HeLa hER(S)+Luc(S)	ICI 164,384	98007-99-9					pos.		Balaguer et al. (1996)
HeLa hER(T)+CAT(T)	ICI 164,384	98007-99-9	neg.	6.7			pos.		Miksicek (1993)
HeLa hER(T)+CAT(T)	ICI 164,384	98007-99-9					pos.		Miksicek (1994)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	ICI 164,384	98007-99-9							Clemons et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	ICI 164,384	98007-99-9					pos.		Fielden et al. (1997)
MCF-7 hER(E)+CP	ICI 164,384	98007-99-9				neg.			Miksicek (1993)

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MCF-7(E3) hER(E)+CP	ICI 164,384	98007-99-9					pos.		Wiese et al. (1997)
MCF-7(MELN41) hER(E)+Luc(S)	ICI 164,384	98007-99-9					pos.		Lascombe et al. (2000)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	pos.	0.003			pos.	18.4	Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	neg.						Arnold et al. (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	pos.	0.00002	14.5				Gaido et al. (1997)
Yeast( <i>S.cer.</i> CYT10-5d) hER(S)+ -gal(S)	ICI 164,384	98007-99-9	neg.	0			pos.	65	Chen et al. (1997)
COS-1 mER (T)+Lucb(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	ICI 182,780	129453-61-8	neg.				pos.		Tremblay et al. (1998)
ELT-3 hER(T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8					pos.		Hodges et al. (2000)
HEK293 hER (T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.	1					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	pos.	2			neg.		Kuiper et al. (1998)
HeLa mER(T)+CAT(T)	ICI 182,780	129453-61-8					pos.		Garner et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.				pos.		Gould et al. (1998)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.	0			pos.		Charles et al. (2000a)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.				pos.		Charles et al. (2000b)
MCF-7 hER(E)+CAT(T)+ -gal(T)	ICI 182,780	129453-61-8	neg.				pos.	90	Bonefeld-Jørgensen et al. (2001)
MCF-7 hER(E)+CP	ICI 182,780	129453-61-8							Bonefeld-Jørgensen et al. (2001)

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MCF-7 hER(E)+Luc(T)+ -gal(T)	ICI 182,780	129453-61-8					pos.		Jobling et al. (1995)
MCF-7(Bos) hER(E)+CP	ICI 182,780	129453-61-8					pos.		Schlumpf et al. (2001)
MCF-7(E3) hER(E)+CP	ICI 182,780	129453-61-8					pos.		Vinggaard et al. (1999)
MCF-7(McGrath) hER(E)+CP	ICI 182,780	129453-61-8				neg.	pos.		Nakagawa and Suzuki (2001)
MDA-MB-231 hER (T)+Luc(T)	ICI 182,780	129453-61-8					pos.		Bonefeld-Jørgensen et al. (2001)
T47D hER(E)+Luc(S)	ICI 182,780	129453-61-8					pos.		Legler et al. (1999)
T47D hER(E)+Luc(S)	ICI 182,780	129453-61-8					pos.	0.00001	Meerts et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	ICI 182,780	129453-61-8	pos.	0.00003			neg.		Beresford et al. (2000)
Yeast( <i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	ICI 182,780	129453-61-8	pos.	5x (1 $\mu$ M)*			neg.		Lascombe et al. (2000)
ZR-75 hER(E)+CP	ICI 182,780	129453-61-8							Nakagawa and Suzuki (2001)
MCF-7(E3) hER(E)+CP	Imazalil	35554-44-0				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Indanestrol	71855-45-3				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Indanestrol-A					pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Indanestrol-B					pos.			Soto et al. (1995)
BG-1 hER(E)+Luc(S)	Indeno(1,2,3, <i>cd</i> )pyrene	193-39-5	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP(F)	Indeno(1,2,3, <i>cd</i> )pyrene	193-39-5				neg.	pos.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Indeno(1,2,3, <i>cd</i> )pyrene	193-39-5	neg.				neg.	101	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Indeno(1,2,3, <i>cd</i> )pyrene	193-39-5					neg.		Tran et al. (1996)
MCF-7(E3) hER(E)+CP	2-Iodoestratrien-17 -ol	107900-35-6			1.7	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	3-Iodoestratrien-17 -ol	38605-46-8			0.174	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Iodoestratrien-17 -ol	107900-36-7			1.67	pos.			Wiese et al. (1997)



## Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HEK293 hER (T)+Luc(T)+gal(T)	Ipriflavone	35212-22-7	pos.	11			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Ipriflavone	35212-22-7	pos.	3			neg.		Kuiper et al. (1998)
MCF-7(E3) hER(E)+CP	Iprodion	36734-19-7				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Irganox 1640					neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone		neg.				pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone		pos.		25		pos.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone-7- <i>O</i> -beta- <i>D</i> -glucoside		neg.				neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Irisolidone-7- <i>O</i> -beta- <i>D</i> -glucoside		neg.				neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Isodecyl tridecyl phthalate	61886-60-0	neg.						Harris et al. (1997)
BG-1 hER(E)+Luc(S)	Isodrin	465-73-6	pos.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Isoeugenol	97-54-1	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Isohexylbenzyl phthalate	1242-92-8	neg.						Harris et al. (1997)
HeLa hER(T)+CAT(T)	Isoliquiritigenin	961-29-5	pos.	79					Miksicek (1993)
MCF-7 hER(E)+CP	4-Isopentylphenol	1805-61-4				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Isorhapontigenin	32507-66-7				pos.			Mellanen et al. (1996)
MCF-7 hER(E)+CP	Isorhapontin	32727-29-0				pos.			Mellanen et al. (1996)
HEK-293 hER ( )+ Luc(T)	Kaempferide	491-54-3	neg.	0			pos.	8.9	Collins-Burow et al. (2000)
HEK-293 hER ( )+ Luc(T)	Kaempferide	491-54-3	neg.	0			pos.	8.1	Collins-Burow et al. (2000)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Kaempferide	491-54-3	pos.	35			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Kaempferide	491-54-3				neg.	pos.		Collins-Burow et al. (2000)

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HEK293 hER (T)+Luc(T)+gal(T)	Kaempferol	520-18-3	pos.	35			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Kaempferol	520-18-3	pos.	53			neg.		Kuiper et al. (1998)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Kaempferol	520-18-3					neg.		Collins-Burow et al. (2000)
BG-1 hER(E)+Luc(T)	Kepone	143-50-0	pos.	30					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Kepone	143-50-0	neg.		0				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	Kepone	143-50-0	pos.	12.62					Hodges et al. (2000)
HEK293 hER (T)+Luc(T)+gal(T)	Kepone	143-50-0	pos.	27			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Kepone	143-50-0	neg.	1			neg.		Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	Kepone	143-50-0	pos.	6 (1 $\mu$ M)					Shelby et al. (1996)
MCF-7 hER(E)+CP	Kepone	143-50-0				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	Kepone	143-50-0				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Kepone	143-50-0	pos.	28.36					Petit et al. (1997)
MCF-7(E3) hER(E)+CP	6-Ketoestradiol	571-92-6			0.00338	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	7-Ketoestratriene-3,17 -diol	3398-12-7			0.016	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	11-Ketoestratriene-3,17 -diol	571-65-3			8.97	pos.			Wiese et al. (1997)
CHO-K1 hER (T)+Luc(T)†	11-Ketotestosterone	564-35-2	neg.		0				Otsuka Pharmaceutical (2001)
CHO-K1 hER (S)+Luc(S)†	Levonorgestrel	797-63-7	neg.		0				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Levonorgestrel	797-63-7	pos.		0.33				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Levonorgestrel	797-63-7	pos.	0.0004					Coldham et al. (1997)
BG-1 hER(E)+Luc(S)	Lindane	58-89-9	pos.						Xenobiotic Detection Systems (2001)

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CHO-K1 hER (T)+Luc(T)†	Lindane	58-89-9	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Lindane	58-89-9				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Lindane	58-89-9	pos.	47.75					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Linuron	330-55-2	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7(E3) hER(E)+CP	Linuron	330-55-2				neg.			Vinggaard et al. (1999)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Luteolin	491-70-3	pos.	25			pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Luteolin	491-70-3					pos.		Collins-Burow et al. (2000)
MCF-7 hER(E)+CP	Malathion	121-75-5				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Maneb	12427-38-2				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Melengesterol acetate	2919-66-6	pos.	4.4	0.11				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Menthyl salicylate	89-46-3	pos.	<0.000005					Miller et al. (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Mestranol	72-33-3	pos.	7.3					Coldham et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Methomyl	16752-77-5	neg.	0.06			pos.	36%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Methomyl	16752-77-5		0.06				28%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Methoprene	40596-69-8				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Methoxybisphenol A		neg.				pos.		Elsby et al. (2001)
BG-1 hER(E)+Luc(S)	Methoxychlor	72-43-5	pos.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Methoxychlor	72-43-5	neg.		0				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	Methoxychlor	72-43-5	pos.	10.55					Hodges et al. (2000)

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HEK293 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	9					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	2					Kuiper et al. (1998)
HeLa hER (T)+Luc(T)	Methoxychlor	72-43-5	pos.	81					Sumida et al. (2001)
HeLa mER(T)+CAT(T)*	Methoxychlor	72-43-5	pos.	6 (1 $\mu$ M)					Shelby et al. (1996)
HepG2 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	25			neg.	85	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	10			neg.	75 $\mu$ M	Gaido et al. (2000)
MCF-7 hER(E)+CP	Methoxychlor	72-43-5				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Methoxychlor	72-43-5				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	Methoxychlor	72-43-5				pos.			Soto et al. (1995)
MCF-7 hER def(T)+Luc(T)+gal(T)	Methoxychlor	72-43-5	pos.	0.0008	12				Charles et al. (2000a)
T47D hER(E)+Luc(S)	Methoxychlor	72-43-5	pos.	0.001	5.7				Legler et al. (1999)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.	0.00001					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.		0.00066-10.3				De Boever et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.	0.00001	4.45		neg.		Elsby et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Methoxychlor	72-43-5	pos.	0.00001	4.38				Elsby et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Methoxychlor	72-43-5	neg.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)+S9*	Methoxychlor	72-43-5	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+gal(S)	Methoxychlor	72-43-5	pos.	0.000032	4.8				Odum et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+gal(S)	Methoxychlor	72-43-5	pos.	0.0033					Coldham et al. (1997)

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Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Methoxychlor	72-43-5	pos.	0.0000001	1200				Gaido et al. (1997)
HeLa hER (T)+Luc(T)+S9*	Methoxychlor	72-43-5	pos.	137					Sumida et al. (2001)
BG-1 hER(E)+Luc(T)	<i>o,p'</i> -Methoxychlor	30667-99-3	pos.	18					Rogers and Denison (2000)
T47D hER(E)+Luc(T)	2-Methoxyestrone	362-08-3	pos.	0.15					Hoogenboom et al. (2001)
T47D hER(E)+Luc(T)	4-Methoxyestrone		pos.	0.14					Hoogenboom et al. (2001)
MCF-7(Bos) hER(E)+CP	3-(4-Methylbenzylidene)camphor	36861-47-9		79.54	3.02	pos.			Schlumpf et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4,4'-Methylenebis(2,6-di- <i>tert</i> -butylphenol)	118-82-1	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,2'-Methylenebis(4-methyl-6- <i>tert</i> -butylphenol)	119-47-1	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	2-Methylnaphthalene	91-57-6	neg.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Methyl-2-nonylphenol		pos.	0.00003	6				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Methylparaben	99-76-3	pos.	0.0000003					Miller et al. (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Methyl parathion	298-00-0	pos.	19.1					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	1-Methyl-1-phenylindan	79034-12-1					neg.		Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†+S9*	1-Methyl-1-phenylindan	79034-12-1					pos.		Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Methyl salicylate	119-36-8	neg.						Miller et al. (2001)
CHO-K1 hER (S)+Luc(S)†	Methyltestosterone	58-18-4	pos.		0.00573				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Methyltestosterone	58-18-4	pos.		0.0158				Otsuka Pharmaceutical (2001)
T47D hER(E)+Luc(S)	Methytrienolone	965-93-5		-	0				Legler et al. (1999)
MCF-7 hER(E)+CP	Metiram	9006-42-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Metolachlor	51218-45-2				neg.			Soto et al. (1995)

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CHO-K1 hER (T)+Luc(T)†	Mifepristone	84371-65-3	neg.		0				Otsuka Pharmaceutical (2001)
BG-1 hER(E)+Luc(S)	Mirex	2385-85-5	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Mirex	2385-85-5	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Mirex	2385-85-5				neg.			Soto et al. (1995)
T47D hER(E)+Luc(S)	3-Monobromobisphenol A		pos.		0.00002				Meerts et al. (2001)
HepG2 hER (T)+Luc(T)+ -gal(T)	Monohydroxy-DDE		pos.	55	0.67		neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Monohydroxy-DDE		pos.	20			pos.	50 $\mu$ M	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Monohydroxymethoxychlor	28463-03-8	pos.	80	0.198		neg.	90	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Monohydroxymethoxychlor	28463-03-8	pos.	15			pos.	50 $\mu$ M	Gaido et al. (2000)
MCF-7 hER(E)+CP	Moxestrol	34816-55-2				pos.			Soto et al. (1995)
CHO-K1 hER (T)+Luc(T)†	Nafoxidine	1845-11-0	neg.		0				Otsuka Pharmaceutical (2001)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Nafoxidine	1845-11-0	neg.	0					Coldham et al. (1997)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	Nafoxidine	1845-11-0	pos.	0.00003	7.72				Gaido et al. (1997)
BG-1 hER(E)+Luc(S)	Naphthalene	91-20-3	neg.						Xenobiotic Detection Systems (2001)
Yeast(S.cer. ER) hER(S)+ -gal(S)	Naphthalene	91-20-3	neg.				neg.	100	Tran et al. (1996)
Yeast(S.cer. ER179C) hER(S)+ -gal(S)	Naphthalene	91-20-3					neg.		Tran et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	-Naphthoflavone	604-59-1	pos.	0.03			selective		Charles et al. (2000b)
MCF-7 hER(E)+CP	1-Naphthol	90-15-3				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2-Naphthol	135-19-3				neg.			Soto et al. (1995)

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BG-1 hER(E)+Luc(S)	1,2-Naphthoquinone	524-42-5	neg.						Xenobiotic Detection Systems (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Naringenin	480-41-1	pos.	36			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Naringenin	480-41-1	pos.	45			neg.		Kuiper et al. (1998)
HeLa hER(S)+Luc(S)	Naringenin	480-41-1	pos.		1				Balaguer et al. (1996)
HeLa hER(T)+CAT(T)	Naringenin	480-41-1	pos.	26.5					Miksicek (1993)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Naringenin	480-41-1	pos.	55			pos.		Collins-Burow et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Niacinamide	98-92-0	neg.				neg.		Moffat et al. (2001)
MCF-7(E3) hER(E)+CP	2-Nitroestratriene-3,17 -diol	6298-51-7			33.5	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Nitroestratriene-3,17 -diol	6936-94-3			0.9	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	1-Nitroestratrien-17 -ol	194068-94-3			60.4	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	2-Nitroestratrien-17 -ol	101772-26-3			29.3	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	3-Nitroestratrien-17 -ol	197068-95-4			2.16	pos.			Wiese et al. (1997)
MCF-7(E3) hER(E)+CP	4-Nitroestratrien-17 -ol	101772-25-2			34.2	pos.			Wiese et al. (1997)
ZR-75 hER(E)+CP	4-Nitrotoluene	99-99-0				neg.			Jobling et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	<i>cis</i> -Nonachlor	5103-73-1		0.09					Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	<i>cis</i> -Nonachlor	5103-73-1		20x (10 $\mu$ M)*			neg.		Klotz et al. (1996)
MCF-7 hER(E)+Luc(T)+ -gal(T)	<i>trans</i> -Nonachlor	39765-80-5		0.3					Klotz et al. (1996)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	<i>trans</i> -Nonachlor	39765-80-5		12x (10 $\mu$ M)*			neg.		Klotz et al. (1996)
MCF-7(MELN41) hER(E)+Luc(S)	Nonylphenol	84852-15-3	pos.						Lascombe et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.000004	5				Vinggaard et al. (2000)

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Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.00013	1.2				Odum et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.00019	0.8				Odum et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.005					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	0.0002	1.1				Gaido et al. (1997)
Yeast( <i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Nonylphenol	84852-15-3	pos.	3.2x (10 $\mu$ M)*					Lascombe et al. (2000)
BG-1 hER(E)+Luc(T)	<i>n</i> - Nonylphenol	25154-52-3	pos.	76					Rogers and Denison (2000)
HEK293 hER (T)+Luc(T)+gal(T)	<i>n</i> - Nonylphenol	25154-52-3	pos.	62					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	<i>n</i> - Nonylphenol	25154-52-3	pos.	34					Kuiper et al. (1998)
MCF-7 hER(E)+CP	<i>n</i> - Nonylphenol	25154-52-3				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	<i>n</i> - Nonylphenol	25154-52-3				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>n</i> - Nonylphenol	25154-52-3	pos.	0.000008	0.8		neg.		Moffat et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>o</i> -Nonylphenol	136-83-4	neg.						Routledge and Sumpter (1997)
CHO-K1 hER (S)+Luc(S)†	<i>p</i> -Nonylphenol	104-40-5	pos.		0.0356				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	<i>p</i> -Nonylphenol	104-40-5	pos.		0.0845				Otsuka Pharmaceutical (2001)
HeLa mER(T)+CAT(T)*	<i>p</i> -Nonylphenol	104-40-5	pos.	89 (5 $\mu$ M)					Shelby et al. (1996)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.	pos.		Jones et al. (1998)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.			Korner et al. (1998)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.			Morito et al. (2001a)
MCF-7 hER(E)+CP	<i>p</i> -Nonylphenol	104-40-5				pos.			Soto et al. (1995)
T47D hER(E)+Luc(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.023	0.26				Legler et al. (1999)



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Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00025					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)+S9*	<i>p</i> -Nonylphenol	104-40-5	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.000046					Harris et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	neg.						Odum et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.002	0.02				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.00003	6.6				Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	0.0022					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.	92.09					Petit et al. (1997)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.		10				Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	<i>p</i> -Nonylphenol	104-40-5	pos.		3				Morito et al. (2001a)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	<i>p</i> -Nonylphenol benzoate ester		neg.						Odum et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Nonylphenol diethoxylate		pos.	39.64					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Nonylphenol diethoxylate		pos.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Nonylphenol diethoxylate		pos.	0.0000003	666				Routledge and Sumpter (1997)

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Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Nonylphenol heptaethoxylate		pos.	21.34					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Nonylphenoxycarboxylic acid		pos.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	1- <i>O</i> -(Nonylphenyl)- , - <i>D</i> -glucopyranosiduric acid		neg.				neg.		Moffat et al. (2001)
HeLa hER(T)+CAT(T)	Nordihydroguaiaretic acid	500-38-9	neg.	20					Miksicek (1994)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Nordihydroguaiaretic acid	500-38-9	pos.	<0.000002					Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Norethindrone	68-22-4	pos.		0.0281				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	Norgestrel	6533-00-2	pos.		0.242				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	19-Nortestosterone	434-22-0	pos.		0.212				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	19-Nortestosterone	434-22-0	neg.						Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	Octachlorostyrene	29082-74-4				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Octadecyl-3-(3',5'-di- <i>t</i> -butyl-4-hydroxyphenyl)propionate	2082-79-3	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Octrizole	3147-75-9	neg.						Miller et al. (2001)
MCF-7(Bos) hER(E)+CP	Octyldimethyl- <i>p</i> -aminobenzoic acid	21245-02-3		51.77	2.63	pos.			Schlumpf et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>n</i> -Octyl gallate	1034-01-1	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Octyl isodecyl phthalate	1330-96-7	neg.						Harris et al. (1997)
MCF-7(Bos) hER(E)+CP	Octyl methoxycinnamate	5466-77-3		61.9	2.37	pos.			Schlumpf et al. (2001)
BG-1 hER(E)+Luc(T)	Octylphenol	27193-28-8	pos.	14					Rogers and Denison (2000)
MCF-7 hER(E)+CP	Octylphenol	27193-28-8				pos.			Dodge et al. (1996)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Octylphenol	27193-28-8	pos.						Jobling et al. (1995)

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Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Octylphenol	27193-28-8	pos.	0.001	0.2				Arnold et al. (1996)
ZR-75 hER(E)+CP	Octylphenol	27193-28-8				pos.			Jobling et al. (1995)
HEK293 hER (T)+Luc(T)+gal(T)	4-Octylphenol	1806-26-4	pos.	61					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	4-Octylphenol	1806-26-4	pos.	57					Kuiper et al. (1998)
MCF-7 hER(E)+CP	4-Octylphenol	1806-26-4				pos.	pos.		Jones et al. (1998)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4-Octylphenol	1806-26-4	pos.	0.003					Coldham et al. (1997)
CHO-K1 hER (T)+Luc(T)†	4- <i>tert</i> -Octylphenol	140-66-9	neg.		0				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+gal(T)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	70					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	51					Kuiper et al. (1998)
MCF-7 hER(E)+CP	4- <i>tert</i> -Octylphenol	140-66-9				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	4- <i>tert</i> -Octylphenol	140-66-9				pos.			Korner et al. (1998)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	neg.						Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.0002					Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.0000014	14				Vinggaard et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)+S9*	4- <i>tert</i> -Octylphenol	140-66-9	pos.						Yoshihara et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.00004	0.15		neg.		Moffat et al. (2001)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.003	0.01				Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.0016	0.05				Routledge and Sumpter (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	4- <i>tert</i> -Octylphenol	140-66-9	pos.	0.00036					Coldham et al. (1997)
MCF-7 hER(E)+CP	5-Octylphenol					pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	1- <i>O</i> -(Octylphenyl)-, - <i>D</i> -glucopyranosiduronic acid		neg.				neg.		Moffat et al. (2001)
T47D hER(E)+Luc(S)	Org 2058	24320-06-7		-	0				Legler et al. (1999)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Oxamyl	23135-22-0	neg.	0.07			pos.	39%	Klotz et al. (1997)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Oxamyl	23135-22-0		0.07				29%	Klotz et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Paraquat	4685-14-7	pos.	17.99					Petit et al. (1997)
Ishikawa hER(T)+Luc(T)+ -gal(T)	Parathion	56-38-2	neg.	0.03			pos.	35%	Klotz et al. (1997)
MCF-7 hER(E)+CP	Parathion	56-38-2				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(T)+ -gal(T)	Parathion	56-38-2		0.03				45%	Klotz et al. (1997)
BG-1 hER(E)+Luc(T)	2,2',3,5',6'-Pentachlorobiphenyl	38379-99-6	pos.	17					Rogers and Denison (2000)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8		45			neg.		Fielden et al. (1997)
MCF-7 hER(E)+CP	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8				pos.	neg.		Fielden et al. (1997)
MCF-7(McGrath) hER(E)+CP	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4				neg.			Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4							Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP	2,3,3',4,5-Pentachlorobiphenyl	70424-69-0				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,4,5,6-Pentachlorobiphenyl	18259-05-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8					pos.		Gierthy et al. (1997)
MCF-7(McGrath) hER(E)+CP	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8				neg.			Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8							Nakagawa and Suzuki (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
HeLa hER def(S)+Luc(S)	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4		11			pos.	18	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4	pos.	222			neg.	98.7	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	pos.	21			pos.	49	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	pos.	175			neg.	85.3	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	neg.	9			pos.	34	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	neg.	82			pos.	73.5	Connor et al. (1997)
MCF-7 hER def(T)+Luc(T)+ gal(T)	2,2',4,6,6'-Pentachloro-4-biphenylol			23			neg.		Fielden et al. (1997)
MCF-7 hER(E)+CP	2,2',4,6,6'-Pentachloro-4-biphenylol					pos.	neg.		Fielden et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3,3',4,4'-Pentachloro-2-biphenylol	150975-80-7			>4.5		pos.		Kramer et al. (1997)
HEK293 hER (T)+Luc(T)+ gal(T)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	1			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	1			neg.		Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	11			pos.	45	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2,3,3',4',5-Pentachloro-4-biphenylol	152969-11-4	neg.	0			pos.		Moore et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,3',4',5-Pentachloro-4-biphenylol	149589-55-9	neg.	4			pos.		Moore et al. (1997)
MCF-7 hER(E)+CP	2',3,3',4',5-Pentachloro-4-biphenylol	149589-55-9				neg.	pos.		Moore et al. (1997)
MCF-7 hER(E)+Luc(S)	2,3,3',4',5-Pentachloro-4-biphenylol	152969-11-4			4		pos.		Kramer et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3,3',4',5-Pentachloro-4-biphenylol	149589-55-9			>4.7		pos.		Kramer et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	neg.	28			pos.	50	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	pos.	24			neg.	76	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	neg.	39			pos.	41.1	Connor et al. (1997)
HeLa hER def(S)+Luc(S)	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	neg.	12			pos.	34	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	neg.	30			pos.	54.6	Connor et al. (1997)
MCF-7 hER(E)+Luc(S)	2',3',4,4',5-Pentachloro-3-biphenylol	150975-81-8			>4.5		pos.		Kramer et al. (1997)

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MCF-7 hER(E)+Luc(S)	2,3',4,4',5-Pentachloro-3-biphenylol	170946-11-9			4.3		pos.		Kramer et al. (1997)
MCF-7 hER(E)+CP	2',3',4',5,5'-Pentachloro-2-biphenylol	67651-36-9				neg.			Soto et al. (1995)
MCF-7 hER(E)+Luc(S)	2',3,4',5,5'-Pentachloro-4-biphenylol	149589-56-0			4.5		pos.		Kramer et al. (1997)
MCF-7 hER(E)+Luc(S)	3,3',4',5,5'-Pentachloro-4-biphenylol	130689-92-8			>4.5		pos.		Kramer et al. (1997)
MCF-7(E3) hER(E)+CP	Pentachlorophenol	87-86-5				neg.			Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Pentachlorophenol	87-86-5	pos.	12.1					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4- <i>n</i> -Pentylphenol	14938-35-3	pos.	0.00002	10				Routledge and Sumpter (1997)
HeLa hER (T)+Luc(T)	Permethrin	52645-53-1	neg.	9.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Permethrin	52645-53-1				pos.			Go et al. (1999)
BG-1 hER(E)+Luc(S)	Perylene	198-55-0	neg.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP(F)	Phenanthrene	85-01-8				neg.	neg.		Arcaro et al. (1999b)
Yeast( <i>S.cer.</i> ER) hER(S)+ -gal(S)	Phenanthrene	85-01-8	neg.				neg.	99	Tran et al. (1996)
Yeast( <i>S.cer.</i> ER179C) hER(S)+ -gal(S)	Phenanthrene	85-01-8					neg.		Tran et al. (1996)
CHO-K1 hER (T)+Luc(T)†	Phenobarbital, sodium salt	57-30-7	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Phenol	108-95-2				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Phenol	108-95-2	neg.						Miller et al. (2001)
HEK293+hER (S)+Luc(S)	4-Phenoxyphenol	831-82-3	pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	4-Phenoxyphenol	831-82-3	pos.						Meerts et al. (2001)
T47D hER(E)+Luc(S)	4-Phenoxyphenol	831-82-3	pos.		0.0000058		neg.		Meerts et al. (2001)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	1-Phenyl-3,5- <i>p</i> -hydroxyphenyl-4-ethylpyrazole			0.1	0.1				Sun et al. (1999)
BG-1 hER(E)+Luc(S)	2-Phenyl indole	948-65-2	pos.						Xenobiotic Detection Systems (2001)

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Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Phenyl salicylate	118-55-8	pos.	0.000003					Miller et al. (2001)
BG-1 hER(E)+Luc(S)	4-Phenyl toluene	644-08-6	pos.						Xenobiotic Detection Systems (2001)
HEK293 hER (T)+Luc(T)+gal(T)	Phloretin	60-82-2	pos.	49			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Phloretin	60-82-2	pos.	10			neg.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Phloretin	60-82-2	pos.	18.9					Miksicek (1993)
HeLa hER(T)+CAT(T)	Phloretin	60-82-2	pos.	98.75	0.3				Miksicek (1994)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Phloretin	60-82-2	pos.	40			pos.		Collins-Burow et al. (2000)
MCF-7 hER(E)+CP	Piceatannol	10083-24-6				neg.			Mellanen et al. (1996)
MCF-7 hER(E)+CP	Picloram	1918-02-1				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Picloram	1918-02-1	pos.	14.43					Petit et al. (1997)
MCF-7 hER(E)+CP	Pinosylvin	22139-77-1				pos.			Mellanen et al. (1996)
HeLa hER(T)+CAT(T)	Podocarpic acid	5947-49-9	pos.	33.75					Miksicek (1994)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 15		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 28		neg.				neg.		Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 30		pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 30		weak						Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 30		pos.		3.4		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 32		pos.		5.1		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 47		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 51		pos.		3.1		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 71	32534-81-9	pos.		7.3		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 75		pos.		2.9		neg.		Meerts et al. (2001)

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T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 77		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 85		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 99		neg.				neg.		Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 100		neg.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	Polybrominated diphenyl ether 100		pos.						Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 100		pos.		2.5		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 119		pos.		3.9		neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 138		neg.				neg.		Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 153		neg.				pos.	3.1	Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 166		neg.				pos.	0.8	Meerts et al. (2001)
T47D hER(E)+Luc(S)	Polybrominated diphenyl ether 190		neg.				pos.	1	Meerts et al. (2001)
MCF-7(E3) hER(E)+CP	Prochloraz	67747-09-5				neg.			Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Prochloraz	67747-09-5	pos.	13.75					Petit et al. (1997)
CHO-K1 hER (T)+Luc(T)†	Procymidone	32809-16-8	neg.		0				Otsuka Pharmaceutical (2001)
BG-1 hER(E)+Luc(T)	Progesterone	57-83-0	neg.	0					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Progesterone	57-83-0	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Progesterone	57-83-0				neg.	neg.		Jones et al. (1998)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Progesterone	57-83-0	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Progesterone	57-83-0	neg.	0					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Progesterone	57-83-0	pos.	14					Petit et al. (1999)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17 -Progesterone	2000-66-0	neg.						Routledge and Sumpter (1996)



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Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	17,20 -Progesterone		neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) CYT10-5d hER(S)+ -gal(S)	Promegestone	34184-77-5	neg.	0					Chen et al. (1997)
MCF-7 hER(E)+CP	Propazine	139-40-2				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) BJ-ECZ rER(S)+ -gal(S)	Propham	122-42-9	pos.	17.64					Petit et al. (1997)
MCF-7(E3) hER(E)+CP	Propioconazole	60207-90-1				neg.			Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Propoxylated 4-nonylphenol		neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	<i>n</i> -Propyl gallate	121-79-9	neg.						Miller et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Propylparaben	94-13-3	pos.	0.00003					Miller et al. (2001)
MCF-7 hER(E)+CP	4-Propylphenol	645-56-7				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	4-Propylphenol	645-56-7	pos.	0.00000005	4000				Routledge and Sumpter (1997)
CHO-K1 hER (T)+Luc(T)†	Propylthiourea	927-67-3	neg.		0				Otsuka Pharmaceutical (2001)
HEC-1 hER ( ) +CAT(T)+ gal(T)	4-Propyl-1,3,5-tris(4-hydroxyphenyl)pyrazole		pos.		0.0002				Kraichely et al. (2000)
HEC-1 hER ( ) +CAT(T)+ gal(T)	4-Propyl-1,3,5-tris(4-hydroxyphenyl)pyrazole			2	0.001				Sun et al. (1999)
HEC-1 hER ( ) +CAT(T)+ gal(T)	4-Propyl-1,3,5-tris(4-hydroxyphenyl)pyrazole		neg.				weak		Kraichely et al. (2000)
MCF-7(E3) hER(E)+CP	Propyzamide	23950-58-5				neg.			Vinggaard et al. (1999)
MCF-7 hER(E)+CP	Pseudodiethylstilbestrol	39011-86-4				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Pseudodiethylstilbestrol-e	81493-97-2				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	Pseudodiethylstilbestrol-z	85546-05-0				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Purpurogallin	569-77-7	neg.						Miller et al. (2001)

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BG-1 hER(E)+Luc(S)	Pyrene	129-00-0	pos.						Xenobiotic Detection Systems (2001)
MCF-7 hER(E)+CP(F)	Pyrene	129-00-0				neg.	neg.		Arcaro et al. (1999b)
CHO-K1 hER (T)+Luc(T)†	Pyrethrins	8003-34-7	neg.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Pyrethrins	8003-34-7				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Pyrethrins	8003-34-7				neg.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Pyrethrins	8003-34-7				neg.			Soto et al. (1995)
HEK293 hER (T)+Luc(T)+gal(T)	Quercetin	117-39-5	pos.	3			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Quercetin	117-39-5	pos.	2			neg.		Kuiper et al. (1998)
MCF-7 hER(E)+CP	Quercetin	117-39-5				neg.	pos.		Miodini et al. (1999)
MCF-7(E3) hER(E)+CP	Quintozen	82-68-8				neg.			Vinggaard et al. (1999)
COS-1 mER (T)+Lucb(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Lucb(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
COS-1 mER (T)+Luctk(T)	Raloxifene	84449-90-1	neg.				pos.		Tremblay et al. (1998)
HepG2 hER (T)+Luc(T)+gal(T)	Raloxifene	84449-90-1	neg.				pos.		Gould et al. (1998)
MCF-7 hER(E)+CP(F)	Raloxifene	84449-90-1				neg.	pos.		Arcaro et al. (1998)
MCF-7 hER(E)+CP(F)	Raloxifene	84449-90-1					pos.		Arcaro et al. (1999a)
Yeast( <i>S.cer.</i> ) hER (S)+gal(S)	Resorcinol monobenzoate	136-36-7	pos.	0.00001					Miller et al. (2001)
MCF-7 hER(E)+CP	Resveratrol	501-36-0				neg.			Mellanen et al. (1996)
BG-1 hER(E)+Luc(T)	<i>trans</i> -Retinoic acid	302-79-4	neg.	0					Rogers and Denison (2000)
T47D hER(E)+Luc(S)	<i>trans</i> -Retinoic acid	302-79-4	neg.		0				Legler et al. (1999)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	Rimsulfuron	122931-48-0	neg.		0				Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Rotenone	83-79-4				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Salicyclic acid	69-72-7	neg.						Miller et al. (2001)
HeLa hER(T)+CAT(T)	Sarsasapogenin	126-19-2	neg.	13.75					Miksicek (1994)
BG-1 hER(E)+Luc(S)	Silvex	93-72-1	neg.						Xenobiotic Detection Systems (2001)
HeLa hER(S)+Luc(S)	Simazine	122-34-9	pos.		3				Balaguer et al. (1996)
MCF-7 hER def(T)+Luc(T)+ -gal(T)	Simazine	122-34-9	neg.	0			neg.		Connor et al. (1996)
MCF-7 hER(E)+CP	Simazine	122-34-9				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Sissotorin	5928-26-7	neg.				neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Sissotorin	5928-26-7	pos.				neg.		Morito et al. (2001b)
MCF-7 hER(E)+CP	-Sitostanol	83-45-4				pos.			Mellanen et al. (1996)
CHO-K1 hER (T)+Luc(T)†	-Sitosterol	83-46-5	neg.		0				Otsuka Pharmaceutical (2001)
HeLa hER(T)+CAT(T)	-Sitosterol	83-46-5	neg.	16.25					Miksicek (1994)
MCF-7 hER(E)+CP	-Sitosterol	83-46-5				pos.			Mellanen et al. (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	-Sitosterol	83-46-5	pos.	0.000005	49.2				Gaido et al. (1997)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Sodium lignosulfonate	8061-51-6	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Sodium <i>n</i> -nonyl sulfate	1072-15-7	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Sodium <i>n</i> -octyl sulfate	142-31-4	neg.						Routledge and Sumpter (1996)
T47D hER(E)+CP	Spruce Lignan	9005-53-2				neg.			Mellanen et al. (1996)
MCF-7 hER(E)+Luc(T)	<i>trans</i> -Stilbene	103-30-0	pos.	48					Sumida et al. (2001)

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HeLa hER (T)+Luc(T)+S9	<i>trans</i> -Stilbene	103-30-0	pos.	155.6					Sumida et al. (2001)
MCF-7 hER(E)+CP	Styrene	100-42-5				neg.			Soto et al. (1995)
HeLa hER (T)+Luc(T)	Sumithrin	26002-80-2	neg.	7.4					Sumida et al. (2001)
MCF-7 hER(E)+CP	Sumithrin	26002-80-2				pos.			Go et al. (1999)
BG-1 hER(E)+Luc(T)	Tamoxifen	10540-29-1	neg.	0			pos.		Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Tamoxifen	10540-29-1	neg.		0		pos.		Otsuka Pharmaceutical (2001)
HEK-293 hER ( )+ Luc(T)	Tamoxifen	10540-29-1	pos.	8.7			pos.	8.1	Collins-Burow et al. (2000)
HEK-293 hER ( )+ Luc(T)	Tamoxifen	10540-29-1	pos.	8.9			pos.	15.6	Collins-Burow et al. (2000)
HEK293 hER (T)+Luc(T)+gal(T)	Tamoxifen	10540-29-1	pos.	6			pos.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	Tamoxifen	10540-29-1	pos.	2			neg.		Kuiper et al. (1998)
HeLa mER(T)+CAT(T)*	Tamoxifen	10540-29-1	pos.	36 (1 $\mu$ M)					Shelby et al. (1996)
MCF-7 hER(E)+CP	Tamoxifen	10540-29-1				neg.			Jones et al. (1998)
MCF-7 hER(E)+CP	Tamoxifen	10540-29-1					pos.		Korner et al. (1998)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Tamoxifen	10540-29-1					pos.		Collins-Burow et al. (2000)
MCF-7(M) hER(E)+CP	Tamoxifen	10540-29-1				neg.	pos.		Collins-Burow et al. (2000)
T47D hER(E)+Luc(S)	Tamoxifen	10540-29-1					pos.		Legler et al. (1999)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Tamoxifen	10540-29-1					pos.		Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Tamoxifen	10540-29-1	pos.	0.0047					Coldham et al. (1997)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tamoxifen	10540-29-1	neg.						Morito et al. (2001a)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tamoxifen	10540-29-1	neg.						Morito et al. (2001a)

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MCF-7 hER(E)+CP	<i>cis</i> -Tamoxifen	13002-65-8				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	Tamoxifen citrate	54965-24-1	neg.	0			pos.	36.4	Chen et al. (1997)
MCF-7 hER(E)+CP	Tamoxifen metabolite E	68684-63-9				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectoridin	611-40-5	neg.				neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectoridin	611-40-5	pos.				neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectorigenin	548-77-6	pos.		2		neg.		Morito et al. (2001b)
Yeast( <i>S.cer.</i> Y190) hER (S)+ -gal(S)	Tectorigenin	548-77-6	pos.		6.2		weak		Morito et al. (2001b)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Terbacil	5902-51-2	pos.	17.87					Petit et al. (1997)
BG-1 hER(E)+Luc(T)	Testosterone	58-22-0	neg.	0					Rogers and Denison (2000)
CHO-K1 hER (T)+Luc(T)†	Testosterone	58-22-0	neg.		0				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Testosterone	58-22-0	pos.	0.0001					Beresford et al. (2000)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Testosterone	58-22-0	neg.						Routledge and Sumpter (1996)
Yeast( <i>S.cer.</i> ) hER(S)+ -gal(S)	Testosterone	58-22-0	neg.	0					Routledge and Sumpter (1997)
Yeast( <i>S.cer.</i> 939) hER(S)+ -gal(S)	Testosterone	58-22-0	pos.	0.014					Chen et al. (1997)
Yeast( <i>S.cer.</i> BJ2407) hER(S)+ -gal(S)	Testosterone	58-22-0	neg.						Arnold et al. (1996)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Testosterone	58-22-0	pos.	0.001					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Testosterone	58-22-0	pos.	0.000005	50.9				Gaido et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Testosterone	58-22-0	neg.						Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Testosterone	58-22-0	pos.	14					Petit et al. (1999)

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MCF-7 hER(E)+CP	Tetrabromobisphenol A	79-94-7				pos.			Korner et al. (1998)
T47D hER(E)+Luc(S)	Tetrabromobisphenol A	79-94-7	neg.						Meerts et al. (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Tetrabromobisphenol A	79-94-7	neg.						Miller et al. (2001)
MCF-7 hER(E)+CP	2,2',4,5'-Tetrachlorobiphenyl	70362-47-9				pos.			Soto et al. (1995)
MCF-7(McGrath) hER(E)+CP	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3				neg.	neg.		Nakagawa and Suzuki (2001)
T47D hER(E)+CAT(T)	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3	neg.	0					Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3				neg.	neg.		Nakagawa and Suzuki (2001)
MCF-7 hER(E)+CP(F)	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5			2	pos.	neg.		Arcaro et al. (1999a)
BG-1 hER(E)+Luc(T)	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	pos.	9					Rogers and Denison (2000)
MCF-7 hER(E)+CP	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,4,5'-Tetrachlorobiphenyl	33284-53-6				neg.			Soto et al. (1994)
MCF-7 hER(E)+CP	2,3,4,5'-Tetrachlorobiphenyl	33284-53-6				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,5,6'-Tetrachlorobiphenyl	33284-54-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,4,4',6'-Tetrachlorobiphenyl	32598-12-2				pos.			Soto et al. (1995)
BG-1 hER(E)+Luc(T)	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	neg.	0					Rogers and Denison (2000)
MCF-7(McGrath) hER(E)+CP	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5				pos.	neg.		Nakagawa and Suzuki (2001)
T47D hER(E)+CAT(T)	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	pos.	0.8					Nakagawa and Suzuki (2001)
ZR-75 hER(E)+CP	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5				weak	neg.		Nakagawa and Suzuki (2001)
MCF-7 hER(E)+Luc(S)	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3			4.3		pos.		Kramer et al. (1997)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3	pos.	0.016					Coldham et al. (1997)
HEK293 hER (T)+Luc(T)+gal(T)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	pos.	3			neg.		Kuiper et al. (1998)

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HEK293 hER (T)+Luc(T)+gal(T)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	pos.	3			neg.		Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	pos.	50			pos.	62	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	neg.	69			pos.	63	Connor et al. (1997)
MCF-7 hER(E)+CP(F)	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8				pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP	2',3',4',5'-Tetrachloro-3-biphenylol	67651-37-0				pos.			Soto et al. (1995)
MCF-7 hER(E)+Luc(S)	2',3',4',5'-Tetrachloro-3-biphenylol	67651-37-0			4.1		pos.		Kramer et al. (1997)
HEK293 hER (T)+Luc(T)+gal(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	68					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	41					Kuiper et al. (1998)
HeLa hER def(S)+Luc(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	74			neg.		Moore et al. (1997)
HepG2 hER(T)+Luc(T)+gal(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	61%					Ramamoorthy et al. (1997b)
MCF-7 hER(E)+CP	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7			0.72		neg.		Arcaro et al. (1998)
MCF-7 hER(E)+Luc(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7			>4.7		pos.		Kramer et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		88%					Ramamoorthy et al. (1997b)
MCF-7 hER(T)+Luc(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		81%					Ramamoorthy et al. (1997b)
MDA-MB-231 hER(T)+Luc(T)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	0.61					Ramamoorthy et al. (1997b)
Yeast( <i>S.cer.</i> BJ3503) hER(S)+gal(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		0.000003	0.3				Ramamoorthy et al. (1997b)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+gal(S)	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	pos.	0.82					Coldham et al. (1997)
HeLa hER def(S)+Luc(S)	2',3',4',6'-Tetrachloro-4-biphenylol	189578-00-5	pos.	60			pos.	80	Connor et al. (1997)
MCF-7 hER(T)+CAT(T)	2',3',4',6'-Tetrachloro-4-biphenylol	189578-00-5	neg.	33			pos.	54.6	Connor et al. (1997)
HeLa hER(S)+Luc(S)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6	pos.		0.00003				Balaguer et al. (1996)

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MCF-7 hER def(T)+Luc(T)+ -gal(T)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6							Clemons et al. (1998)
MCF-7 hER(E)+CP	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6					pos.		Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6				neg.	pos.		Arcaro et al. (1999b)
MCF-7 hER(E)+CP(F)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6				neg.	pos.		Gierthy et al. (1997)
T47D hER(E)+Luc(S)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6					pos.		Legler et al. (1999)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6	pos.	0.26					Coldham et al. (1997)
MCF-7 hER(E)+CP	Tetrachloroethylene	127-18-4				neg.			Soto et al. (1995)
MCF-7(E3) hER(E)+CP	Tetrachlorvinphos	22248-79-9				neg.			Vinggaard et al. (1999)
MCF-7(E3) hER(E)+CP	Tetradifon	116-29-0				neg.			Vinggaard et al. (1999)
HeLa hER(T)+CAT(T)	2',4',4,6'-Tetrahydroxychalcone	73692-50-9	pos.	85					Miksicek (1993)
MCF-7 hER(E)+CP	Thiram	137-26-8				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Thymol	89-83-8	neg.						Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Toxaphene	8001-35-2	neg.		0				Otsuka Pharmaceutical (2001)
ELT-3 hER(T)+Luc(T)+ -gal(T)	Toxaphene	8001-35-2	pos.	10.06					Hodges et al. (2000)
MCF-7 hER(E)+CP	Toxaphene	8001-35-2				pos.			Ramamoorthy et al. (1997a)
MCF-7 hER(E)+CP	Toxaphene	8001-35-2				pos.			Soto et al. (1994)
MCF-7 hER(E)+CP	Toxaphene	8001-35-2				pos.			Soto et al. (1995)
MCF-7 hER(T)+CAT(T)	Toxaphene	8001-35-2		4.8		neg.			Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Toxaphene	8001-35-2	pos.	10x (25 $\mu$ M)*					Ramamoorthy et al. (1997a)
Yeast( <i>S.cer.</i> BJ2168) mER(S)+ -gal(S)	Toxaphene	8001-35-2	pos.	0.6x (100 $\mu$ M)*					Ramamoorthy et al. (1997a)



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CHO-K1 hER (T)+Luc(T)†	Tralomehrin	66841-25-6	pos.						Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Tralomehrin	66841-25-6				pos.			Otsuka Pharmaceutical (2001)
MCF-7 hER(E)+CP	Tralomehrin	66841-25-6				pos.			Otsuka Pharmaceutical (2001)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	<i>trans</i> -3b		pos.	95			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	<i>trans</i> -3b		pos.	68			pos.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	<i>trans</i> -3c		pos.	81			neg.		Meyers et al. (1999)
HEC-1 hER ( ) +CAT(T)+ -gal(T)	<i>trans</i> -3c		neg.	10			pos.		Meyers et al. (1999)
MCF-7 hER(E)+CP	Transforming Growth Factor (TGF- )					pos.			Miodini et al. (1999)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	-Trenbolone	10161-33-8	neg.						Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Trenbolone acetate	10161-34-9	neg.						Le Guevel and Pakdel (2001)
MCF-7(E3) hER(E)+CP	Triadimefon	43121-43-3				pos.			Vinggaard et al. (1999)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Triadimefon	43121-43-3	pos.	17.24					Petit et al. (1997)
MCF-7(E3) hER(E)+CP	Triadimenol	55219-65-3				pos.			Vinggaard et al. (1999)
T47D hER(E)+Luc(S)	3,3',5-Tribromobisphenol A	6386-73-8	neg.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	4-(2,4,6-Tribromophenoxy)phenol		pos.						Meerts et al. (2001)
HEK293+hER (S)+Luc(S)	4-(2,4,6-Tribromophenoxy)phenol		pos.						Meerts et al. (2001)
T47D hER(E)+Luc(S)	4-(2,4,6-Tribromophenoxy)phenol		neg.		0.0001		neg.		Meerts et al. (2001)
MCF-7 hER(E)+CP(F)	2,2',3-Trichlorobiphenyl	38444-78-9				pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	2,2',6-Trichlorobiphenyl	38444-73-4				pos.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP	2,3,4-Trichlorobiphenyl	55702-46-0				pos.			Soto et al. (1995)

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MCF-7 hER(E)+CP	2,3',5-Trichlorobiphenyl	38444-81-4				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	2,3,6-Trichlorobiphenyl	55702-45-9				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2,3',6-Trichlorobiphenyl	38444-76-7				neg.			Arcaro et al. (1999a)
MCF-7 hER(E)+CP(F)	2,4,6-Trichlorobiphenyl	35693-92-6				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+CP(F)	3,4',5-Trichlorobiphenyl	38444-88-1				pos.	pos.		Gierthy et al. (1997)
HeLa mER(T)+CAT(T)	2,4,6-Trichloro-3',4'-biphenyldiol		pos.	35.7					Garner et al. (1999)
MCF-7 hER(E)+CP	2,2',5-Trichloro-4-biphenylol					pos.			Soto et al. (1995)
HEK293 hER (T)+Luc(T)+gal(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8	pos.	77					Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+gal(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8	pos.	62					Kuiper et al. (1998)
HeLa mER(T)+CAT(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8	pos.	44.2					Garner et al. (1999)
HepG2 hER(T)+Luc(T)+gal(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8	pos.	70					Ramamoorthy et al. (1997b)
MCF-7 hER(E)+CP	2',4',6'-Trichloro-4-biphenylol	14962-28-8				pos.			Soto et al. (1995)
MCF-7 hER(E)+CP(F)	2',4',6'-Trichloro-4-biphenylol	14962-28-8			0.22		neg.		Arcaro et al. (1998)
MCF-7 hER(E)+CP(F)	2',4',6'-Trichloro-4-biphenylol	14962-28-8				pos.	neg.		Gierthy et al. (1997)
MCF-7 hER(E)+Luc(S)	2',4',6'-Trichloro-4-biphenylol	14962-28-8			>4.7		pos.		Kramer et al. (1997)
MCF-7 hER(T)+CAT(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8		95%					Ramamoorthy et al. (1997b)
MCF-7 hER(T)+Luc(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8		52%					Ramamoorthy et al. (1997b)
MDA-MB-231 hER(T)+Luc(T)	2',4',6'-Trichloro-4-biphenylol	14962-28-8	pos.	0.82					Ramamoorthy et al. (1997b)
Yeast( <i>S.cer.</i> BJ3503) hER(S)+gal(S)	2',4',6'-Trichloro-4-biphenylol	14962-28-8		0.00001	0.08				Ramamoorthy et al. (1997b)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+gal(S)	2',4',6'-Trichloro-4-biphenylol	14962-28-8	pos.	1					Coldham et al. (1997)
MCF-7 hER(E)+Luc(S)	3,3',4'-Trichloro-4-biphenylol	124882-64-0			>4.6		pos.		Kramer et al. (1997)
MCF-7 hER(E)+CP(F)	3,4',5-Trichloro-4-biphenylol	4400-06-0				pos.	neg.		Gierthy et al. (1997)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
BG-1 hER(E)+Luc(S)	2,4,5-Trichlorophenoxyacetic acid	93-76-5	pos.						Xenobiotic Detection Systems (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Triethanolamine salicylate	2174-16-5	neg.						Miller et al. (2001)
MCF-7 hER(E)+CP	Trifluralin	1582-09-8				neg.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	Trifluralin	1582-09-8	pos.	19.32					Petit et al. (1997)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	2,4,5-Trihydroxybutyrophenone	1421-63-2	neg.						Miller et al. (2001)
HepG2 hER (T)+Luc(T)+ -gal(T)	Trihydroxymethoxychlor		pos.	45			neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Trihydroxymethoxychlor		pos.	15			neg.	95 $\mu$ M	Gaido et al. (2000)
BG-1 hER(E)+Luc(T)	3,3',5'-Triiodo-1-thyronine	6893-02-3	neg.	0					Rogers and Denison (2000)
Yeast( <i>S.cer.</i> BJ-ECZ) rtER(S)+ -gal(S)	3,3',5'-Triiodo-1-thyronine	6893-02-3	pos.	18					Petit et al. (1999)
HepG2 hER (T)+Luc(T)+ -gal(T)	Trimethoxymethoxychlor		pos.	20			neg.	100	Gaido et al. (2000)
HepG2 hER (T)+Luc(T)+ -gal(T)	Trimethoxymethoxychlor		pos.	15			neg.	100 $\mu$ M	Gaido et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	1,3,5-Trimethyl-2,4,6-tris(3,5-di- <i>tert</i> -butyl-4-hydroxybenzyl)benzene	1709-70-2	neg.						Miller et al. (2001)
CHO-K1 hER (T)+Luc(T)†	Triphenyltin chloride	639-58-7					pos.		Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	1,3,5-Tris(4- <i>tert</i> -butyl-3-hydroxy-2,6-dimethylbenzyl)isocyanurate	40601-76-1	neg.						Miller et al. (2001)
MCF-7(MELN41) hER(E)+Luc(S)	Tris-4-(chlorophenyl)methane	27575-78-6	pos.						Lascombe et al. (2000)
Yeast( <i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Tris-4-(chlorophenyl)methane	27575-78-6	pos.	4x (100 $\mu$ M)*					Lascombe et al. (2000)
MCF-7(MELN41) hER(E)+Luc(S)	Tris-4-(chlorophenyl)methanol	30100-80-8	pos.						Lascombe et al. (2000)
Yeast( <i>S.cer.</i> YRG-2) hER (S)+ -gal(S)	Tris-4-(chlorophenyl)methanol	30100-80-8	pos.	6x (100 $\mu$ M)*					Lascombe et al. (2000)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Vanillin	121-33-5	neg.						Miller et al. (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
CHO-K1 hER (T)+Luc(T)†	Vinclozolin	50471-44-8	neg.		0				Otsuka Pharmaceutical (2001)
Yeast( <i>S.cer.</i> ) hER (S)+ -gal(S)	Vitamin E	59-02-9	neg.						Miller et al. (2001)
BG-1 hER(E)+Luc(S)	<i>p</i> -Xylene	106-42-3	neg.						Xenobiotic Detection Systems (2001)
CHO-K1 hER (S)+Luc(S)†	-Zearalanol	26538-44-3	pos.		0.000131				Otsuka Pharmaceutical (2001)
CHO-K1 hER (T)+Luc(T)†	-Zearalanol	26538-44-3	pos.		0.0000783				Otsuka Pharmaceutical (2001)
Ishikawa hER(E)+CP	-Zearalanol	26538-44-3				pos.			Le Guevel and Pakdel (2001)
MCF-7 hER(E)+CP	-Zearalanol	26538-44-3				pos.			Soto et al. (1995)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	-Zearalanol	26538-44-3	pos.	1.3					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	-Zearalanol	26538-44-3	pos.	1.7	0.04				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	-Zearalanol	26538-44-3	pos.	16	0.03				Le Guevel and Pakdel (2001)
Ishikawa hER(E)+CP	-Zearalanol	42422-68-4				pos.			Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	-Zearalanol	42422-68-4	pos.	0.46					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	-Zearalanol	42422-68-4	pos.	0.5	0.16				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	-Zearalanol	42422-68-4	pos.	4.4	0.11				Le Guevel and Pakdel (2001)
Ishikawa hER(E)+CP	Zearalanone	5975-78-0				pos.			Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Zearalanone	5975-78-0	pos.	0.7	0.11				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Zearalanone	5975-78-0	pos.	16	0.032				Le Guevel and Pakdel (2001)
Ishikawa hER(E)+CP	-Zearalenol	36455-72-8				pos.			Le Guevel and Pakdel (2001)

## Sorted by Substance and Assay

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	-Zearalenol	36455-72-8	pos.	50			pos.		Collins-Burow et al. (2000)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	-Zearalenol	36455-72-8	pos.	8.7					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) hER(S)+ -gal(S)	-Zearalenol	36455-72-8	pos.	2.7	0.03				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	-Zearalenol	36455-72-8	pos.	43	0.012				Le Guevel and Pakdel (2001)
HeLa hER(T)+CAT(T)	-Zearalenol	71030-11-0	pos.	59.9					Miksicek (1993)
HeLa hER(T)+CAT(T)	-Zearalenol	71030-11-0	pos.	102.25	0.015				Miksicek (1994)
Ishikawa hER(E)+CP	-Zearalenol	71030-11-0				pos.			Le Guevel and Pakdel (2001)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	-Zearalenol	71030-11-0	pos.	53			pos.		Collins-Burow et al. (2000)
Yeast(S.cer. BJ3505) hER(S)+ -gal(S)	-Zearalenol	71030-11-0	pos.	0.066					Coldham et al. (1997)
Yeast(S.cer. BJ-ECZ) hER(S)+ -gal(S)	-Zearalenol	71030-11-0	pos.	0.2	0.28				Le Guevel and Pakdel (2001)
Yeast(S.cer. BJ-ECZ) rtER(S)+ -gal(S)	-Zearalenol	71030-11-0	neg.						Le Guevel and Pakdel (2001)
BG-1 hER(E)+Luc(S)	Zearalenone	17924-92-4	pos.	1	0.001				Xenobiotic Detection Systems (2001)
CHO-K1 hER (T)+Luc(T)†	Zearalenone	17924-92-4	pos.		0.00729				Otsuka Pharmaceutical (2001)
HEK293 hER (T)+Luc(T)+ gal(T)	Zearalenone	17924-92-4	pos.	91			neg.		Kuiper et al. (1998)
HEK293 hER (T)+Luc(T)+ gal(T)	Zearalenone	17924-92-4	pos.	27			pos.		Kuiper et al. (1998)
HeLa hER(T)+CAT(T)	Zearalenone	17924-92-4	pos.	99.8					Miksicek (1993)
HeLa hER(T)+CAT(T)	Zearalenone	17924-92-4	pos.	141.25	0.002				Miksicek (1994)
HeLa mER(T)+CAT(T)	Zearalenone	17924-92-4		185		pos.			Makela et al. (1994)
HeLa mER(T)+CAT(T)*	Zearalenone	17924-92-4	pos.	100x (100 nM)					Makela et al. (1994)
Ishikawa hER(E)+CP	Zearalenone	17924-92-4				pos.			Le Guevel and Pakdel (2001)

Assay**	Substance Name	CASRN†	Agonism (Qualitative)††	Agonism (Relative Activity)††	Agonism (EC50 $\mu$ M)††	Cell Growth††	Antagonism (Qualitative)††	Antagonism (Relative Activity)††	Reference
MCF-7 hER(E)+CP	Zearalenone	17924-92-4				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Zearalenone	17924-92-4				pos.			Soto et al. (1995)
MCF-7(M) hER(E)+Luc(T)+ -gal(T)	Zearalenone	17924-92-4	pos.	75			pos.		Collins-Burow et al. (2000)
Yeast( <i>S.cer.</i> BJ3505) hER(S)+ -gal(S)	Zearalenone	17924-92-4	pos.	0.26					Coldham et al. (1997)
Yeast( <i>S.cer.</i> BJ-ECZ) hER(S)+ -gal(S)	Zearalenone	17924-92-4	pos.	0.6	0.13				Le Guevel and Pakdel (2001)
Yeast( <i>S.cer.</i> BJ-ECZ) rER(S)+ -gal(S)	Zearalenone	17924-92-4	pos.	8.8	0.062				Le Guevel and Pakdel (2001)
HeLa mER(T)+CAT(T)*	Zeranol	55331-29-8	pos.	103x (1 nM)					Makela et al. (1994)
MCF-7 hER(E)+CP	Zeranol	55331-29-8				pos.			Dodge et al. (1996)
MCF-7 hER(E)+CP	Zeranol	55331-29-8				pos.	neg.		Makela et al. (1994)
MCF-7 hER(E)+CP	Zineb	12122-67-7				neg.			Soto et al. (1995)
MCF-7 hER(E)+CP	Ziram	137-30-4				neg.			Soto et al. (1995)

\*wi = a compound that, at 10  $\mu$ M, induces reporter gene expression at <50% of maximal induction caused by 10 nM E2.

\*ni = a compound that, at 10  $\mu$ M, induces reporter gene expression at <10% of maximal induction caused by 10 nM E2.

† Empty cells indicate that no CASRN could be found

†† Empty cells indicate that no information was provided in the publication

\* Indicates the concentration at which the fold increase was reported

\*\*There are at least 93 different assays. Variations include different mammalian cell lines [BG-1, CHO, COS-1, ELT-3, HEK293, HEC-1, HeLa, HEPG2, Ishikawa, MCF-7, MCF-7(M), MCF-7(BUS), MCF-7(E3), MCF-7(McGrath), MCF-7(MEL:N411), MDA-MB-231, T47D, ZR75], and different strains of Yeast, *Saccharomyces cerevisiae* abbreviated as *S.cer.*, [188R1, 939, BJ2168, BJ2407, BJ3505, BJ-ECZ, YT10-5d, ER, ER179C, Y190, YRG-2]. Sources of the ER were from human (hER), mouse (mER), rainbow trout (rER) and included either an undefined ER or the *def* form of the ER. In a few cases the binding domain (*def*) was used instead of the entire protein. In the mammalian cells either chloramphenicol acetyltransferase (CAT) or luciferase (Luc) was the enzyme induced by transcriptional activation. In the yeast cells *-galactosidase* (*-gal*) was the induced enzyme. Plasmids were either transiently (T) or stably (S) transfected. Some cell lines harbored an endogenous ER (E). A plasmid with *-gal* was sometimes transfected into the mammalian cells as a measure of transfection. In certain assays, cell prolifer

Values in italics have been estimated from a graphical representation of the data