Annex K6

Phase IV Experiments

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Table 1 Phase IV Agonist Range Finder Plates Tested at XDS

Experiment I.D.	Date	Induction[1]	DMSO	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used
XPIIIX0036X0033X0027X0025X0122X0123AGRF081309	13-Aug-09	2.56	1240	No	Failed Induction
XPIIIX0036X0033X0027X0025X0122X0123AGRF081509	15-Aug-09	5.47	937	Yes	
XPIIIX0065X0120X0119AGRF082109	21-Aug-09	3.52	1311	Yes	
XPIVX0108X0112X0128X0115X0109X0125AGRF082509	25-Aug-09	3.75	3021	Yes	
XPIVX0117X0130X0121X0120X0119X0114AGRF082509	25-Aug-09	6.78	1514	Yes	
XPIVX0118X0111X0107X0116X0127X0126AGRF082509	25-Aug-09	5.99	2172	Yes	
2009-11-08 XPIVAgRFX0131X0124X0113X0129X0110	18-Nov-09	3.45	4799	Yes	

[1] Induction for range finder plates is measured by dividing the averaged highest E2 reference standard RLU value by the averaged DMSO control RLU value.

Table 2 Phase IV Antagonist Range Finder Plates Tested at XDS

Experiment I.D.	Date	Reduction[1]	DMSO	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used
XPIIIX0067X0147X0148X0144X0141X0138ANTRF081309	13-Aug-09	2.49	1746	No	Failed Reduction
XPIIIX0067X0147X0148ANTRF081509	15-Aug-09	10.67	797	Yes	
2009-18-11-09XPIVANTRFX0140	18-Nov-09	4.53	3433	Yes	
2009-18-11XPIVANTRFX0155X0137X0149X0151X0152X0153	18-Nov-09	3.73	4007	Yes	
2009-11-18XPIVRFX0142X0143X0146X0156X0132X0136	18-Nov-09	4.00	2818	Yes	
2009-11-20XPIVANTRFX0139X0150X0135X0134X0133	20-Nov-09	6.19	2734	Yes	

[1] Reduction for range finder plates is measured by dividing the averaged highest Ral/E2 reference standard RLU value by the averaged DMSO control RLU value.

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Table 3 Phase IV Agonist Comprehensive Test Plates Tested at XDS

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
AMP	13-Nov-09	7138	4.61	2.45×10^{-6}	532	1:2	-	Negative	Negative	No	Failed MET	2009-11-13XPIVAgCTTX0114X0128
AMP	16-Nov-09	4899	3.69	2.48×10^{-6}	6663	1:2	-	Positive	Negative	Yes	Experimenter error	2009-11-16XPIVAgCTTX0065X0128
AMP	07-Dec-09	2386	3.92	2.68×10^{-6}	5849	1:2	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0111X0128
APO	28-Dec-09	3675	3.10	3.55×10^{-6}	5756	1:5	-	Negative	Negative	Yes		2009-12-28XPIVAgCTTX0117X0127
APO	16-Nov-09	5277	3.43	1.24×10^{-6}	6378	1:5	-	Negative	Negative	Yes		2009-11-16XPIVAgCTTX0127X0130
APO	07-Dec-09	3541	2.91	1.55×10^{-6}	7065	1:5	-	Positive	Negative	No	Failed Induction	2009-12-07XPIVAgCTX0117X0127
BENZ*	13-Dec-09	1810	3.52	2.13×10^{-6}	5202	1:5	1.16×10^{-1}	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0160X0116
BENZ	21-Jun-10	915	3.43	1.59×10^{-5}	5108	1:5	1.16×10^{-1}	Positive	Positive	Yes		2010-06-21X0129X0160XPIVAgCTRe-Run
BICAL	18-Nov-09	2482	3.57	3.96×10^{-6}	5932	1:5	-	Negative	Negative	Yes	Experimenter error	2009-11-18XPIVAgCTTX0118X0126
BICAL	07-Dec-09	2482	4.33	2.80×10^{-6}	5868	1:5	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0119X0126
CHX	13-Dec-09	1825	3.13	2.74×10^{-6}	6247	1:2	-	Positive	Negative	Yes		2009-12-13XPIVAgCTTX0113X0124

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
CHY	13-Nov-09	4753	6.47	2.93×10^{-6}	2847	1:2	-	Positive	Inconclusive	Yes	Experimenter error	2009-11-13XPIVAgCTTX0125X0117
CHY	04-Dec-09	2187	3.93	3.87×10^{-6}	3761	1:2	-	Positive	Inconclusive	Yes		2009-12-04XPIVAgCTX0112X0125
CHY	13-Dec-09	1488	4.02	1.95×10^{-6}	6076	1:2	8.14×10^{-1}	Positive	Positive	Yes		2009-12-13XPIVAgCTTX0131X0150
CYP	12-Nov-09	3889	9.35	4.00×10^{-5}	3191	1:5	-	Positive	Negative	Yes	Experimenter error	2009-11-12XPIVAgCTTX0123X0122
CYP	07-Dec-09	2723	4.00	2.00×10^{-6}	7034	1:5	-	Positive	Inconclusive	Yes		2009-12-07XPIVAgCTX0123X0122
CYP	24-Aug-09	2135	3.15	3.26×10^{-6}	8343	1:5	-	Positive	Inconclusive	Yes	Experimenter error	XPIVX0122X0123AGCT082409
CYP	19-May-10	5728	3.26	3.30×10^{-6}	6651	1:5	-	Negative	Negative	Yes		2010-05-19XPIVX0116X0123AgCTT
FAST	16-Nov-09	7966	2.66	2.44×10^{-6}	4979	1:5	-	Positive	Inconclusive	No	Failed DMSO control	2009-11-16XPIVAgCTTX0121X0119
FAST	18-Nov-09	3009	3.81	4.26×10^{-6}	6145	1:5	-	Negative	Negative	Yes	Experimenter error	2009-11-18 XPIVAgCTTX0120X0121
FAST	07-Dec-09	2286	3.91	2.69×10^{-6}	6166	1:5	-	Positive	Inconclusive	Yes		2009-12-07XPIVAgCTX0107X0121
FEN	12-Nov-09	3889	9.35	4.00×10^{-5}	3191	1:2	-	Positive	Positive	Yes	Experimenter error	2009-11-12XPIVAgCTTX0123X0122
FEN	07-Dec-09	2723	4.00	2.00×10^{-6}	7034	1:5	-	Positive	Inconclusive	Yes		2009-12-07XPIVAgCTX0123X0122
FEN	24-Aug-09	2135	3.15	3.26×10^{-6}	8343	1:2	-	Positive	Inconclusive	Yes	Experimenter error	XPIVX0122X0123AGCT082409

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
FEN	17-May-10	1651	2.04	3.10×10^{-6}	6026	1:5	-	Positive	Negative	No	Failed Induction	2010-05-17XPIVAgCTTX0122X0115
FEN	19-May-10	8426	3.28	2.34×10^{-6}	7556	1:5	-	Positive	Negative	No	Failed DMSO	2010-05-19XPIVAgCTTX0122X0115
FEN	21-Jun-10	913	3.13	5.19×10^{-6}	7505	1:5	1.52×10^{0}	Positive	Positive	Yes		2010-06-21X0122X0120XPIVAgCTRe-run
FLUT	16-Nov-09	7966	2.66	2.44×10^{-6}	4979	1:5	-	Positive	Inconclusive	No	Failed DMSO control	2009-11-16XPIVAgCTTX0121X0119
FLUT	18-Nov-09	2453	3.51	3.12×10^{-6}	6520	1:5	-	Negative	Negative	Yes	Experimenter error	2009-11-18XPIVAgCTTX0119X0111
FLUT	07-Dec-09	2482	4.33	2.80×10^{-6}	5868	1:5	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0119X0126
FMES	12-Nov-09	4631	5.58	2.52×10^{-6}	5148	1:5	-	Positive	Inconclusive	Yes	Experimenter error	2009-11-12XPIVAgCTTX0120X0112
FMES	18-Nov-09	3009	3.81	4.26×10^{-6}	6145	1:5	-	Negative	Negative	Yes	Experimenter error	2009-11-18XPIVAgCTTX0120X0121
FMES	04-Dec-09	2174	3.72	3.57×10^{-6}	4985	1:5	-	Positive	Inconclusive	Yes		2009-12-04XPIVAgCTX0120X0115
FMES	21-Jun-10	913	3.13	5.19×10^{-6}	7505	1:5	7.48×10^{0}	Positive	Positive	Yes		2010-06-21X0122X0120XPIVAgCTRe-run
HPD	16-Nov-09	7302	2.48	2.40×10^{-6}	5920	1:5	-	Positive	Negative	No	Failed DMSO and Induction	2009-11-16XPIVAgCTTX0111X0118
HPD	18-Nov-09	2482	3.57	3.96×10^{-6}	5932	1:5	-	Positive	Negative	Yes	Experimenter error	2009-11-18XPIVAgCTTX0118X0126

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
HPD	07-Dec-09	2431	4.10	3.24×10^{-6}	5577	1:5	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0109X0118
KCN	28-Dec-09	3675	3.10	3.55×10^{-6}	5756	1:5	-	Positive	Negative	Yes		2009-12-28XPIVAgCTTX0117X0127
KCN	13-Nov-09	4753		2.93×10^{-6}	2847	1:2	-	Positive	Negative	Yes	Experimenter error	2009-11-13XPIVAgCTTX0125X0117
KCN	07-Dec-09	3541	2.91	1.55×10^{-6}	7065	1:5	-	Negative	Negative	No	Failed Induction	2009-12-07XPIVAgCTTX0117X0127
LIN	16-Nov-09	11874	2.61	2.85×10^{-6}	4924	1:5	-	Negative	Negative	No	Failed DMSO and Induction	2009-11-16XPIVAgCTTX0107X0116
LIN	13-Dec-09	1810	3.52	2.13×10^{-6}	5202	1:5	-	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0160X0116
LIN	17-May-10	1651	2.04	3.10×10^{-6}	6026	1:5	-	Negative	Negative	No	Failed Induction	2010-05-17XPIVAgCTTX0122X0115
LIN	19-May-10	8426	3.28	2.34×10^{-6}	7556	1:5	-	Negative	Negative	No	Failed DMSO	2010-05-19XPIVAgCTTX0122X0115
LIN	19-May-10	5728	3.26	3.30×10^{-6}	6651	1:5	-	Positive	Negative	Yes		2010-05-19XPIVX0116X0123AgCTT
LTX	13-Nov-09	9488	4.32	2.59×10^{-6}	-323	1:5	-	Negative	Negative	No	Failed DMSO and MET controls	2009-11-13XPIVAgCTTX0115X0109
LTX	16-Nov-09	5363	3.47	2.10×10^{-6}	6300	1:5	-	Positive	Inconclusive	Yes	Experimenter error	2009-11-16XPIVAgCTTX0115X0109
LTX	04-Dec-09	2174	3.72	3.57×10^{-6}	4985	1:5	-	Positive	Inconclusive	Yes		2009-12-04XPIVAgCTX0120X0115

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
LTX	17-Jun-10	1013	3.02	3.50×10^{-6}	6621	1:5	-	Positive	Negative	Yes		2010-06-17XPIVX0113X0115AgCTRe-run
MIF	13-Dec-09	1825	3.13	2.74×10^{-6}	6247	1:5	-	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0113X0124
MIF	17-Jun-10	1013	3.02	3.50×10^{-6}	6621	1:5	-	Positive	Negative	Yes		2010-06-17XPIVX0113X0115AgCTRe-run
MPA	13-Nov-09	7138	4.61	2.45×10^{-6}	532	1:2	-	Positive	Negative	No	Failed MET	2009-11-13XPIVAgCTTX0114X0128
MPA	16-Nov-09	8594	3.90	3.08×10^{-6}	6466	1:2	-	Negative	Negative	No	Failed DMSO control	2009-11-16XPIVAgCTTX0114X0108
MPA	18-Nov-09	2424	3.92	3.71×10^{-6}	5995	1:2	-	Positive	Negative	Yes	Experimenter error	2009-11-18 XPIVAgCTTX0114X0108
MPA	13-Dec-09	2100	3.22	2.71×10^{-6}	5875	1:2	-	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0108X0114
MPA	21-Jun-10	865	3.40	3.50×10^{-6}	6262	1:2	-	Positive	Negative	Yes		2010-06-21X0114XPIVAgCTRe-run
NIL	12-Nov-09	4631	5.58	2.52×10^{-6}	5148	1:5	-	Positive	Inconclusive	Yes	Experimenter error	2009-11-12XPIVAgCTTX0120X0112
NIL	04-Dec-09	2187	3.93	3.87×10^{-6}	3761	1:5	-	Positive	Positive	Yes		2009-12-04XPIVAgCTX0112X0125
NORT	16-Nov-09	5277	3.43	1.24×10^{-6}	6378	1:5	4.93×10^{-1}	Positive	Positive	Yes		2009-11-16XPIVAgCTTX0127X0130
OHAN	13-Dec-09	1382	4.42	1.82×10^{-6}	4973	1:2	$1.62 \times 10^{+1}$	Positive	Positive	Yes		2009-12-13XPIVAgCTTX0129X0110

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
OHAN	21-Jun-10	915	3.43	1.59×10^{-5}	5108	1:2	7.46×10^{0}	Positive	Positive	Yes		2010-06-21X0129X0160XPIVAgCTRe-Run
OX	16-Nov-09	7302	2.48	2.40×10^{-6}	5920	1:2	-	Positive	Negative	No	Failed DMSO and Induction	2009-11-16XPIVAgCTTX0111X0118
OX	18-Nov-09	2453	3.51	3.12×10^{-6}	6520	1:2	-	Positive	Negative	Yes	Experimenter error	2009-11-18XPIVAgCTTX0119X0111
OX	07-Dec-09	2386	3.92	2.68×10^{-6}	5849	1:2	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0111X0128
PCY	13-Nov-09	9488	4.32	2.59×10^{-6}	-323	1:5	-	Negative	Negative	No	Failed DMSO and MET controls	2009-11-13XPIVAgCTTX0115X0109
PCY	16-Nov-09	5363	3.47	2.10×10^{-6}	6300	1:5	-	Negative	Negative	Yes	Experimenter error	2009-11-16XPIVAgCTTX0115X0109
PCY	07-Dec-09	2431	4.10	3.24×10^{-6}	5577	1:5	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0109X0118
PZE	13-Dec-09	1382	4.42	1.82×10^{-6}	4973	1:2	-	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0129X0110
RSP	12-Nov-09	7749	5.46	2.50×10^{-6}	4458	1:2	-	Positive	Inconclusive	No	Failed DMSO control	2009-11-12XPIII-IVAgCTTX0065X0108
RSP	16-Nov-09	8594	3.90	3.08×10^{-6}	6466	1:2	-	Negative	Negative	No	Failed DMSO control	2009-11-16XPIVAgCTTX0114X0108
RSP	18-Nov-09	2424	3.92	3.71×10^{-6}	5995	1:2	-	Positive	Negative	Yes	Experimenter error	2009-11-18XPIVAgCTTX0114X0108
RSP	13-Dec-09	2100	3.22	2.71×10^{-6}	5875	1:2	-	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0108X0114

Test Substance	Date	DMSO	Induction[1]	E2 Reference Standard EC_{50} (µg/mL)	MET	Test Substance Dilution	Test Substance EC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
RSP	19-May-10	5987	3.00	2.80×10^{-6}	8843	1:5	-	Positive	Negative	Yes		2010-05-19XPIVAgCTTX0108X0131
SPIR	16-Nov-09	11874	2.61	2.85×10^{-6}	4924	1:5	-	Negative	Negative	No	Failed DMSO and Induction	2009-11-06XPIVAgCTTX0107X0116
SPIR	07-Dec-09	2286	3.91	2.69×10^{-6}	6166	1:5	-	Positive	Negative	Yes		2009-12-07XPIVAgCTX0107X0121
TREN	13-Dec-09	1488	4.02	1.95×10^{-6}	6076	1:2	-	Positive	Inconclusive	Yes		2009-12-13XPIVAgCTTX0131X0150
TREN	19-May-10	5987	3.00	2.80×10^{-6}	8843	1:5	2.59×10^{-2}	Positive	Positive	Yes		2010-05-19XPIVAgCTTX0108X0131

Abbreviations: AMP = Ammonium perchlorate; APO = Apomorphine; BENZ = 2,2',4,4'-Tetrahydroxybenzophenone; BICAL = Bicalutamide; CHX = Cycloheximide; CHY = Chrysin; CYP = Cyproterone acetate; DMSO = Dimethyl sulfoxide; EC_{50} = half maximal effective concentration; E2 = 17ß-estradiol; FAST = Finasteride; FEN = Fenarimol; FLUT = Flutamide; FMES = Fluoxymestrone; HPD = Haloperidol; KCN = Ketoconazole; LIN= Linuron; LTX = L-thyroxine; MET = *p,p'*-methoxychlor; MIF = Mifepristone; MPA = Medroxyprogesterone acetate; NIL = Nilutamide; NORT = 19-nortestosterone; OHAN = 4-hydroxyandrostenedione; OX = Oxazepam; PCY = Procymidone; PZE = Pimozide; RSP = Reserpine; SPIR = Spironolactone; TREN = 17β-trenbolone

* Benz (2,2',4,4'-Tetrahydroxybenzophenone, CASRN 131-55-5) was tested once at XDS as part of a cooperative effort with the OECD performance-based test guidelines working group.

[1] Induction for comprehensive test plates is measured by dividing the averaged highest E2 reference standard RLU value by the averaged DMSO control RLU value.

Table 4 Phase IV Antagonist Plates Tested at XDS

Test Substance	Date	DMSO	Reduction[1]	Ral/E2 Reference Standard IC_{50} (µg/mL)	E2 Cont	Fla\E2 Cont	Test Substance Dilution	Test Substance IC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
AMP	10-Dec-09	3153	9.07	3.13×10^{-4}	7724	869	1:2	-	Positive	Negative	Yes		2009-12-10XPIVANTCTX0147X0153
APO	30-Nov-09	3162	4.74	2.61×10^{-4}	8232	3540	1:2	-	Positive	Positive	Yes		2009-11-30XPIIIAntCTX0152X0105
BICAL	18-Dec-09	4300	9.22	2.98×10^{-4}	7138	965	1:2	$1.99 \times 10^{+1}$	Positive	Negative	Yes		2009-12-10XPIVANTCTX0151X0144
CHX	21-Dec-09	3755	8.69	2.95×10^{-4}	6748	1457	1:5	2.72×10^{-1}	Positive	Positive	Yes		2009-12-10XPIVAntCTX0139X0149
CHY	15-Dec-09	4615	5.74	3.37×10^{-4}	8279	1209	1:2	-	Negative	Negative	Yes		2009-12-15XPIVANTCTX0135X0150
CYP	18-Dec-09	3612	10.29	3.52×10^{-4}	7097	871	1:2	$1.98 \times 10^{+1}$	Positive	Negative	Yes		2009-12-10XPIVANTCTX0141X0148
FAST	15-Dec-09	4737	6.20	4.29×10^{-4}	5662	430	1:2	-	Positive	Negative	No	Failed E2 Control	2009-12-15XPIVANTCTX0146X0142
FAST	15-Dec-09	2631	6.10	2.35×10^{-4}	8658	3071	1:2	$4.72 \times 10^{+1}$	Positive	Negative	Yes		2009-12-15XPIVANTCTX0146
FEN	19-Aug-09	3691	5.22	8.13×10^{-4}	4406	1344	1:2	-	Positive	Negative	No	Failed E2 Control	XPIIIX0067X0147ANTCT081909
FEN	04-Nov-09	10979	5.48	3.20×10^{-4}	7854	2330	1:2	-	Negative	Negative	No	Failed DMSO Control	2009-11-04AntCTX0082X0147
FEN	5-Nov-09	8712	5.93	2.97×10^{-4}	7691	2494	1:2	-	Negative	Negative	No	Failed DMSO control	2009-11-05X0082X0147Ant
FEN	10-Dec-09	3153	9.07	3.13×10^{-4}	7724	869	1:2	$4.40 \times 10^{+2}$	Positive	Negative	Yes		2009-12-10XPIVANTCTX0147X0153

Test Substance	Date	DMSO	Reduction[1]	Ral/E2 Reference Standard IC_{50} (µg/mL)	E2 Cont	Fla\E2 Cont	Test Substance Dilution	Test Substance IC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
FLUT	18-Dec-09	4300	9.22	2.98×10^{-4}	7138	965	1:5	4.33×10^{0}	Positive	Negative	Yes		2009-12-10XPIVANTCTX0151X0144
FMES	10-Dec-09	3299	11.20	3.01×10^{-4}	6519	755	1:2	-	Negative	Negative	Yes		2009-12-10XPIVANTCTX0138X0145
HPD	15-Dec-09	5539	5.37	4.35×10^{-4}	8064	1223	1:2	3.89×10^{0}	Positive	Negative	Yes		2009-12-15XPIVANTCTX0154X0143
KCN	21-Dec-09	3194	4.81	1.56×10^{-4}	6097	2024	1:2	-	Negative	Negative	No	Failed E2, Fla/E2 Control	2009-12-15XPIVANTCTX0134X0142
KCN	15-Dec-09	4737	6.20	4.29×10^{-4}	5662	430	1:2	-	Positive	Negative	No	Failed E2 Control	2009-12-15XPIVANTCTX0146X0142
KCN	22-Dec-09	3111	4.23	2.66×10^{-4}	7091	1892	1:2	6.55×10^{-1}	Positive	Positive	Yes		2009-12-22XPIVANTCTX0134X0142
LIN	18-Dec-09	3612	10.29	3.52×10^{-4}	7097	871	1:2	$3.34 \times 10^{+1}$	Positive	Negative	Yes		2009-12-10XPIVANTCTX0141X0148
LTX	21-Dec-09	2591	5.38	2.41×10^{-4}	7889	1254	1:2	-	Positive	Negative	Yes		2009-12-15XPIVAntCTX0132X0140
MIF	10-Dec-09	3299	11.20	3.01×10^{-4}	6519	755	1:2	$8.21 \times 10^{+1}$	Positive	Negative	Yes		2009-12-10XPIVANTCTX0138X0145
MPA	21-Dec-09	3755	8.69	2.95×10^{-4}	6748	1457	1:2	-	Positive	Positive	Yes		2009-12-10XPIVAntCTX0139X0149
NIL	21-Dec-09	2956	5.46	2.73×10^{-4}	6166	1081	1:5	-	Positive	Negative	No	Failed E2 Control	2009-12-15XPIVANTCTX0134X0137
NIL	15-Dec-09	3130	4.66	2.19×10^{-4}	7180	1818	1:5	9.28×10^{0}	Positive	Negative	Yes		2009-12-15XPIVANTCTX0156X0137

Test Substance	Date	DMSO	Reduction[1]	Ral/E2 Reference Standard IC_{50} (µg/mL)	E2 Cont	Fla\E2 Cont	Test Substance Dilution	Test Substance IC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
NIL	28-Dec-09	3500	6.07	2.15×10^{-4}	6207	1456	1:5	$2.38 \times 10^{+1}$	Positive	Negative	No	Failed E2 Control	2009-12-28-XPIVANTCTX0156X0137
NIL	29-Dec-09	6482	6.22	3.21×10^{-4}	6598	166	1:5	$1.23 \times 10^{+1}$	Positive	Negative	Yes		2009-12-29-XPIVANTCTX0156X0137
NORT	10-Dec-09	4250	7.97	3.37×10^{-4}	7106	1393	1:2	$5.02 \times 10^{+1}$	Positive	Negative	Yes		2009-12-10XPIIIVANTCTX0155X0019
OHAN	15-Dec-09	5539	5.37	4.35×10^{-4}	8064	1223	1:2	-	Negative	Negative	Yes		2009-12-15XPIVANTCTX0154X0143
OX	21-Dec-09	2498	5.39	1.97×10^{-4}	7102	1173	1:2	$3.30 \times 10^{+1}$	Positive	Negative	Yes		2009-12-15XPIVANTCTX0133X0136
PCY	21-Dec-09	2956	5.46	2.73×10^{-4}	6166	1081	1:2	-	Negative	Negative	No	Failed E2 Control	2009-12-15XPIVANTCTX0134X0137
PCY	21-Dec-09	3194	4.81	1.56×10^{-4}	6097	2024	1:2	-	Negative	Negative	No	Failed E2, Fla/E2 Control	2009-12-15XPIVANTCTX0134X0142
PCY	22-Dec-09	3111	4.23	2.66×10^{-4}	7091	1892	1:2	-	Negative	Negative	Yes		2009-12-22XPIVANTCTX0134X0142
PMZ	15-Dec-09	4615	5.74	3.37×10^{-4}	8279	1209	1:2	-	Positive	Negative	Yes		2009-12-15XPIVANTCTX0135X0150
RSP	21-Dec-09	2498	5.39	1.97×10^{-4}	7102	1173	1:2	-	Positive	Negative	Yes		2009-12-15XPIVANTCTX0133X0136
SPIR	21-Dec-09	2591	5.38	2.41×10^{-4}	7889	1254	1:2	-	Positive	Negative	Yes		2009-12-15XPIVAntCTX0132X0140
TREN	15-Dec-09	744	2.77	1.04×10^{-3}	4172	222	1:2	-	Positive	Negative	No	Failed E2 Control, Reduction	2009-12-15XPIVANTCTX0156

Test Substance	Date	DMSO	Reduction[1]	Ral/E2 Reference Standard IC_{50} (µg/mL)	E2 Cont	Fla\E2 Cont	Test Substance Dilution	Test Substance IC_{50} (µg/mL)	Positive Using Threshold Method	Positive Using Revised Criteria	Was Plate Used for Data Analysis?	Reason Why Plate Was Not Used	Experiment I.D.
TREN	15-Dec-09	3130	4.66	2.19×10^{-4}	7180	1818	1:2	-	Positive	Negative	Yes		2009-12-15XPIVANTCTX0156X0137
TREN	28-Dec-09	3500	6.07	2.15×10^{-4}	6207	1456	1:2	-	Positive	Negative	No	Failed E2 Control	2009-12-28-XPIVANTCTX0156X0137
TREN	29-Dec-09	6482	6.22	3.21×10^{-4}	6598	166	1:2	-	Positive	Negative	Yes		2009-12-29-XPIVANTCTX0156X0137

Abbreviations: AMP = Ammonium perchlorate; APO = Apomorphine; BICAL = Bicalutamide; CHX = Cycloheximide; CHY = Chrysin; Cont = Control; CYP = Cyproterone acetate; DMSO = Dimethyl sulfoxide; E2 = 17ß-estradiol; FAST = Finasteride; FEN = Fenarimol; Fla = Flavone; FLUT = Flutamide; FMES = Fluoxymestrone; HPD = Haloperidol; IC_{50} = half-maximal inhibitory concentration; I.D. = Identification; KCN = Ketoconazole; LIN= Linuron; LTX = L-thyroxine; MET = *p,p'*-methoxychlor; MIF = Mifepristone; MPA = Medroxyprogesterone acetate; NIL = Nilutamide; NORT = 19-nortestosterone; OHAN = 4-hydroxyandrostenedione; OX = Oxazepam; PCY = Procymidone; PZE = Pimozide; Ral = Raloxifene HCl; RSP = Reserpine; SPIR = Spironolactone; TREN = 17β-trenbolone

[1] Reduction for comprehensive test plates is measured by dividing the averaged highest Ral/E2 reference standard RLU value by the lowest averaged Ral/E2 reference standard RLU value.