Annex L

Within-Plate DMSO Control Values for BG1Luc ER TA Agonist and Antagonist Assays

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Table L-1 XDS Within-Plate Agonist DMSO Data

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
1	Plate 1	6898	532	8
	Plate 2	2031	133	7
	Plate 3	2672	168	6
	Plate 4	2007	176	9
	Plate 5	6619	309	5
	Plate 6	5619	277	5
	Plate 7	5232	308	6
	Plate 8	5841	496	8
	Plate 9	6820	469	7
	Plate 10	9885	781	8
2a	XIIaX0001-X0002CTAg1.xls	1198	254	21
	XIIaX0001-X0002CTAg5 v2.xls	5114	508	10
	XIIaX0001-X0002CTAg6 v2.xls	2196	389	18
	XIIaX0001CTAg8.xls	1154	39	3
	XIIaX0003-X0004CTAg4.xls	636	29	5
	XIIaX0003-X0004CTAg5 v2.xls	1699	133	8
	XIIaX0003-X0004CTAg6 v2.xls	3900	206	5
2b	XIIbX0009-X0010CTAg1.xls	816	76	9
	XIIbX0009-X0010CTAg2.xls	1744	52	3
	XIIbX0009-X0010CTAg3.xls	3641	178	5
	XIIbX0011-X0012CTAg1.xls	628	27	4
	XIIbX0011-X0012CTAg2.xls	1179	121	10
	XIIbX0011-X0012CTAg3.xls	4059	245	6
	XIIbX0013-X0014CTAg1.xls	1125	34	3
	XIIbX0013-X0014CTAg2.xls	1072	90	8
	XIIbX0013-X0014CTAg3.xls	3305	78	2
	XIIbX0015-X0016CTAg1.xls	1117	44	4
	XIIbX0015-X0016CTAg2.xls	1307	36	3
	XIIbX0015-X0016CTAg3.xls	4007	308	8
	XIIbX0016CTAg4.xls	3093	128	4

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
3	2009-09-10 XPIIIX0031X0037AGCT09Sep09.xls	5349	521	10
	2009-12-01XPIIIAgCTTX0034X0033.xls	1630	253	16
	2009-12-01XPIIIAgCTX0025X0027.xls	1759	105	6
	2009-12-01XPIIIAgCTX0036X0030.xls	3083	366	12
	2009-12-01XPIIIAgCTX0038X0052.xls	2056	246	12
	2009-12-1XPIIIAgCTX0065X0038.xls	2763	252	9
	2009-12-04XPIIIAgCTX0027X0025.xls	1924	163	8
	2009-12-04XPIIIAgCTX0031X0042.xls	2212	181	8
	2009-12-04XPIIIAgCTX0035X0055.xls	1909	211	11
	XPIIIX0027X0025AGCT082409.xls	2146	187	9
	XPIIIX0028X0026AGCT080809.xls	1687	36	2
	XPIIIX0030X0029AGCT080509.xls	771	188	24
	XPIIIX0034X0032AGCT080309.xls	2316	262	11
	XPIIIX0036X0033AGCT082409.xls	2225	128	6
	XPIIIX0038X0037AGCT082409.xls	2417	70	3
	XPIIIX0039X0035AGCT080309.xls	932	203	22
	XPIIIX0041X0040AGCT080309.xls	914	107	12
	XPIIIX0042X0031AGCT080509.xls	923	399	43
	XPIIIX0043X0044AGCT080809.xls	1774	31	2
	XPIIIX0045X0046AGCT0801109.xls	866	49	6
	XPIIIX0047X0048AGCT081109.xls	920	109	12
	XPIIIX0049X0050AGCT081809.xls	511	39	8
	XPIIIX0051X0054AGCT081809.xls	927	73	8
	XPIIIX0055X0052AGCT081909.xls	1536	35	2
	XPIIIX0056X0060AGCT081909.xls	1656	67	4
	XPIIIX0057X0061AGCT081309.xls	1315	92	7
	XPIIIX0058X0062AGCT081809.xls	511	39	8
	XPIIIX0059X0053AGCT081309.xls	1104	14	1
	XPIIIX0063X0064AGCT09Sep09.xls	6189	361	6
	2009-11-09XPIIIAgCTTX0034X0052.xls	2153	312	15
	2009-11-10XPIIIAgCTTX0035X0030.xls	2138	231	11
	2009-11-11XPIIIAgCTTX0025X0027.xls	6826	619	9
	2009-11-16XPIIIAgCTTX0033X0036.xls	6476	649	10
	2009-11-16XPIIIAgCTTX0038X0042.xls	4160	386	9
	2009-11-16XPIVAgCTTX0065X0128.xls	4899	284	6

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
4	2009-11-16XPIVAgCTTX0127X0130.xls	5277	135	3
	2009-11-16XPIVAgCTTX0127X0130v2.xls	5596	647	12
	2009-12-04XPIVAgCTX0112X0125.xls	2187	168	8
	2009-12-04XPIVAgCTX0120X0115.xls	2174	174	8
	2009-12-07XPIVAgCTX0107X0121.xls	2286	123	5
	2009-12-07XPIVAgCTX0109X0118.xls	2431	139	6
	2009-12-07XPIVAgCTX0111X0128.xls	2386	73	3
	2009-12-07XPIVAgCTX0119X0126.xls	2482	244	10
	2009-12-07XPIVAgCTX0123X0122.xls	2723	86	3
	2009-12-13XPIVAgCTTX0108X0114.xls	2100	365	17
	2009-12-13XPIVAgCTTX0113X0124.xls	1825	170	9
	2009-12-13XPIVAgCTTX0129X0110.xls	1382	14	1
	2009-12-13XPIVAgCTX0108X0114.xls	2100	365	17
	2009-12-13XPIVAgCTX0131X0150.xls	1488	184	12
	2009-12-13XPIVAgCTX0160X0116.xls	1810	136	7
	2009-12-28XPIVAgCTX0117X0127.xls	3675	50	1
	2010-05-19XPIVAgCTTX0108X0131.xls	5987	121	2
	2010-05-19XPIVX0116X0123AgCTT.xls	5728	189	3
	2010-06-17XPIVX0113X0115AgCTTRe-run.xls	1013	55	5
	2010-06-21X0114XPIVAGCTTRe-run.xls	865	65	8
	2010-06-21X0129X0160XPIVAgCTTRe-run.xls	915	39	4
	2010-06-22X0122X0120XPIVAgCTTRe-run.xls	913	34	4
	2009-11-12XPIVAgCTTX0120X0112.xls	4631	493	11
	2009-11-12XPIVAgCTTX0123X0122.xls	3889	345	9
	2009-11-13XPIVAgCTTX0125X0117.xls	4753	230	5
	2009-11-16XPIVAgCTTX0065X0128.xls	4899	284	6
	2009-11-16XPIVAgCTTX0115X0109.xls	5363	234	4
	2009-11-18 XPIVAgCTTX0114X0108.xls	2424	350	14
	2009-11-18 XPIVAgCTTX0118X0126.xls	2482	351	14
	2009-11-18 XPIVAgCTTX0119X0111.xls	2453	310	13
	2009-11-18 XPIVAgCTTX0120X0121.xls	3009	460	15

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-2 ECVAM Within-Plate Agonist DMSO Data

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
1	Plate 1	4829	369	8
	Plate 2	4607	216	5
	Plate 3	1379	153	11
	Plate 4	1254	86	7
	Plate 5	3246	344	11
	Plate 6	3552	317	11
	Plate 7	3264	352	11
	Plate 8	3696	387	10
	Plate 9	3150	262	8
	Plate 10	2732	395	15
	Plate 11	1985	172	9
	Plate 12	1999	163	8
	Plate 13	2560	266	10
	Plate 14	2617	234	9
	Plate 15	4829	369	8
	Plate 16	4287	349	8
	Plate 17	6342	515	8
	Plate 18	7236	1032	14
2a	Ag CT13A 0001 0002.xls	4315	330	8
	Ag CT12B 0003 0004.xls	5017	324	6
	Ag CT10 0003 0004.xls	4219	45	1
	Ag CT9 0001 0002.xls	1502	111	7
	Ag CT6 0001 0002.xls	1522	252	17
	Ag CT2 0003 0004.xls	828	64	8
2b	Ag CT1 V0005 V0006 new.xls	3805	139	4
	Ag CT1 V0007 V0008 new.xls	3640	415	11
	Ag CT1 V0009 V0010 new.xls	3256	191	6
	Ag CT1 V0011 V0012 new.xls	3735	299	8
	Ag CT2 V0005 V0006.xls	6100	671	11
	Ag CT2 V0009 V0010.xls	4023	118	3
	Ag CT2 V0011 V0012.xls	6209	333	5
	Ag CT3 V0011 V0012.xls	4973	137	3
	Ag CT4 V0005 V0006.xls	3872	302	8
	Ag CT4 V0007 V0008.xls	4609	218	5
	Ag CT5 V0007 V0008QCPP.xls	3743	273	7
	Ag CT6 V0009 V0010QCPP.xls	3535	165	5

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
3	Ag CT1 V0016 V0017-QC.xls	1496	222	15
	Ag CT1 V0023 V0030-QC.xls	1097	105	10
	Ag CT1 V0031 V0032-QC.xls	1318	47	4
	Ag CT1 V0033 V0034-QC.xls	1415	151	11
	Ag CT1 V0035 V0036-QC.xls	1965	237	12
	Ag CT1 V0027 V2001-QC.xls	1917	261	14
	Ag CT1 V0041 V0042-QC.xls	4683	231	5
	Ag CT1 V0037 V0038-QC.xls	2263	191	8
	Ag CT1 V0043 V0044-QC.xls	5627	201	4
	Ag CT1 V0039 V0040-QC.xls	2095	177	8
	Ag CT2 V2001 CT1 V0045-QC.xls	2599	275	11
	Ag CT2 V0021 V0022-QC.xls	1824	153	8
	Ag CT2 V0024 V0026-QC.xls	3030	105	3
	Ag CT2 V0018 V0020-QC.xls	3105	238	8
	Ag CT1 V0050 V0051-QC.xls	5528	350	6
	Ag CT3 V0014 V0015-QC.xls	3362	1098	33
	Ag CT1 V0013 V0019-QC.xls	2336	198	8
	Ag CT1 V0025 V0028-QC.xls	2592	150	6
	Ag CT1 V0029 V0046-QC.xls	3947	498	13
	Ag CT1 V0047-QC.xls	3639	80	2
	Ag CT4 V0048 V0049-QC.xls	1957	281	14
	Ag CT2 V0052 V0053-QC.xls	7306	516	7
	Ag CT3A V0052 V0053-QC.xls	2799	200	7
	Ag CT3B V0052 V0053-QC.xls	2603	420	16

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-3 Hiyoshi Within-Plate Agonist DMSO Data

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
1	Plate 1	2516	203	8
	Plate 2	2323	354	15
	Plate 3	6087	239	4
	Plate 4	3404	257	8
	Plate 5	4873	209	4
	Plate 6	3776	207	5
	Plate 7	3776	207	5
	Plate 8	4910	398	8
	Plate 9	4686	326	7
	Plate 10	5779	264	5
2a	AgCT01May08 0001 0002Ag2.xls	6272	408	6
	AgCT01May08 0003 0004Ag2.xls	6314	462	7
	AgCT16May08 0003 0004Ag3.xls	4925	268	5
	AgCT20Jun08 0001 0002Ag8.xls	3621	13	1
	AgCT22Apr08 0001 0002Ag1.xls	2174	62	3
	AgCT22Apr08 0004 Ag1.xls	2023	179	9
	AgCT080531-Ag7.xls	4066	184	5
2b	AgCTT081107-Ag1-1.xls	6886	493	7
	AgCTT081107-Ag3-1.xls	4330	21	1
	AgCTT081121-Ag1-2.xls	6063	43	1
	AgCTT081121-Ag2-2.xls	5761	134	2
	AgCTT081121-Ag3-2(fail)(1).xls	5942	294	5
	AgCTT081121-Ag4-2.xls	5735	173	3
	AgCTT081204-Ag1-3.xls	7410	739	10
	AgCTT081204-Ag2-3.xls	7897	385	5
	AgCTT081204-Ag4-3.xls	8078	269	3
	AgCTT081219-Ag2-4.xls	4955	372	7
	AgCTT081219-Ag3-4.xls	5053	482	10
	AgCTT081225-Ag3-5.xls	6665	437	7
	AgCTT081225-Ag4-4.xls	7009	259	4

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
3	AgCTT081107-Ag1-1.xls	1362	91	7
	AgCTT081107-Ag1-2.xls	2132	152	7
	AgCTT081107-Ag1-3(revision).xls	1874	197	11
	AgCTT081107-Ag1-4v2.xls	2007	95	5
	AgCTT081107-Ag1-5.xls	6953	339	5
	AgCTT081107-Ag1-6.xls	7104	328	5
	AgCTT081107-Ag1-7.xls	6893	461	7
	AgCTT081107-Ag1-8v2.xls	7704	263	3
	AgCTT081107-Ag2-1(version2).xls	6702	456	7
	AgCTT081107-Ag2-2.xls	6811	157	2
	AgCTT081107-Ag2-3.xls	8088	520	6
	AgCTT081107-Ag2-4.xls	7707	248	3
	AgCTT081107-Ag3-1.xls	4984	283	6
	AgCTT081107-Ag3-2.xls	6117	243	4
	AgCTT081107-Ag3-3.xls	5615	309	5
	AgCTT081107-Ag3-4.xls	5672	287	5
	AgCTT081107-Ag4-1.xls	4262	324	8
	AgCTT081107-Ag4-2.xls	3977	217	5
	AgCTT081107-Ag4-3.xls	4029	205	5
	AgCTT081107-Ag4-4.xls	4883	406	8
	AgCTT081107-Ag5-1.xls	7677	248	3
	AgCTT081107-Ag5-2.xls	7694	923	12
	AgCTT081107-Ag5-3.xls	8171	454	6
	AgCTT081107-Ag5-4.xls	8638	948	11
	AgCTT081107-AgRe1-1.xls	5569	318	6
	AgCTT081107-AgRe1-2.xls	5351	77	1
	AgCTT081107-AgRe1-3.xls	6319	290	5
	AgCTT081107-AgRe1-4.xls	6539	388	6
	AgCTT081107-AgRe2-1.xls	3093	133	4
	AgCTT081107-AgRe2-2.xls	5787	1417	24
	AgCTT081107-AgRe3-1.xls	6538	416	6
	AgCTT081107-AgRe3-2.xls	6618	315	5
	AgCTT081107-AgRe3-3.xls	6539	414	6
	AgCTT081107-AgRe4-1.xls	9383	68	1
	AgCTT081107-Ag1-3.xls	1874	197	11
	AgCTT081107-Ag2-1.xls	6702	456	7

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-4 Within-Plate Agonist DMSO Mean Data by Laboratory

Laboratory	Phase	DMSO Mean (RLU)	DMSO Mean CV%	Number of Plates
XDS	1	5362	7	10
	2a	2271	10	7
	2b	2084	5	13
	3	2314	10	35
	4	2943	8	31
	All	2800	8	96
ECVAM	1	3519	8	18
	2a	2900	8	6
	2b	4291	6	12
	3	2938	10	24
	All	3379	8	60
Hiyoshi	1	4213	7	10
	2a	4199	5	7
	2b	6291	5	13
	3	5760	6	36
	All	5465	6	66
All	All	3749	8	222

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-5 XDS Within-Plate Antagonist DMSO Data

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
1	Plate 1	1193	105	9
	Plate 2	242	32	13
	Plate 3	190	15	8
	Plate 4	162	28	18
	Plate 5	148	4	3
	Plate 6	154	21	14
	Plate 7	152	15	10
	Plate 8	132	24	18
	Plate 9	515	53	10
	Plate 10	593	26	4
	Plate 11	446	23	5
	Plate 12	515	52	10
	Plate 13	1331	79	6
	Plate 14	1207	52	4
2a	XIIaX0005-X0006CTAnt4 v2.xls	1671	182	11
	XIIaX0005-X0006CTAnt5.xls	1980	57	3
	XIIaX0005-X0006CTAnt6.xls	1550	194	13
	XIIaX0005CTAnt7.xls	271	32	12
	XIIaX0005CTAnt8.xls	288	33	11
	XIIaX0007-X0008CTAnt4 v3.xls	1979	186	9
	XIIaX0007-X0008CTAnt5 v2.xls	1633	159	10
	XIIaX0005-X0006CTAnt1.xls	1310	160	12
	XIIaX0005-X0006CTAnt2.xls	724	63	9
	XIIaX0005-X0006CTAnt3.xls	818	111	14
	XIIaX0007-X0008CTAnt4 v2.xls	1979	186	9
	XIIaX0007-X0008CTAnt5.xls	1633	159	10
	XIIaX0007-X0008CTAnt6.xls	2073	42	2
2b	XIIbX0017-X0018CTAnt1.xls	2714	56	2
	XIIbX0017-X0018CTAnt2.xls	1639	66	4
	XIIbX0017-X0018CTAnt3.xls	1781	97	5
	XIIbX0019-X0020CTAnt1.xls	2773	155	6
	XIIbX0019-X0020CTAnt2.xls	1941	53	3
	XIIbX0019-X0020CTAnt3.xls	2516	107	4
	XIIbX0021-X0022CTAnt1.xls	2635	54	2
	XIIbX0021-X0022CTAnt2.xls	1542	64	4
	XIIbX0021-X0022CTAnt3.xls	964	89	9
	XIIbX0023-X0024CTAnt1.xls	1733	68	4
	XIIbX0023-X0024CTAnt2.xls	930	15	2
	XIIbX0023-X0024CTAnt3.xls	1749	101	6

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
3	2009-12-15XPIIIANTCTX0065X0088.xls	2801	177	6
	2009-11-30XPIIIAntCTX0152X0105.xls	3162	267	8
	2009-11-24XPIIIAntCTX0067X0077.xls	5534	197	4
	2009-11-24XPIIIAntCTX0082X0023.xls	5009	322	6
	2009-11-24XPIIIAntCTX0094X0096.xls	6510	1161	18
	2009-11-23XPIIIAntCTX0088X0065.xls	6860	404	6
	2009-11-23XPIIIAntCTX0068X0070.xls	6276	287	5
	2009-11-23XPIIIAntCTX0058X0055.xls	4500	337	7
	2009-11-23XPIIIAntCTX0071X0074.xls	6803	568	8
	XPIIIX0076X0075ANTCT081909v2.xls	2264	273	12
	XPIIIX0100X0104ANTCT082109.xls	2608	80	3
	XPIIIX0085X0084ANTCT082109.xls	415	29	7
	XPIIIX0073X0072ANTCT081909.xls	2226	383	17
	XPIIIX0052X0090ANTCT081909.xls	2011	131	7
	XPIIIX0099X0058ANTCT081309.xls	1327	21	2
	XPIIIX0102X0093ANTCT070209.xls	2465	1272	52
	XPIIIX0097X0092ANTCT081509.xls	1899	99	5
	XPIIIX0086X0083ANTCT081509.xls	3424	1043	30
	XPIIIX0103X0078ANTCT070209.xls	2865	155	5
	XPIIIX0080X0087ANTCT070209.xls	2272	803	35
	XPIIIX0066X0079ANTCT070209.xls	1508	246	16
	XPIIIX0074X0071ANTCT090630.xls	1094	245	22
	XPIIIX0042X0089ANTCT090630.xls	1096	135	12
	XPIIIX0101X0069ANTCT090630.xls	1443	349	24
	2009-11-4-XPIIIANTCTX0023X0065.xls	926	34	4
	XPIIIANTCTX0019X0065091104.xls	926	34	4
	2009-11-04XPIIIANTCTX0068X0088.xls	1368	82	6
	2009-11-05XPIIIANTCTX0070X0071.xls	957	61	6
	2009-10-28XPIIIANTCTX0097X0067.xls	1626	263	16
	2009-10-28XPIIIANTCTX0074X0094.xls	1436	82	6
	2009-10-14XPIIIANTCTX0055X0077.xls	2664	84	3
	2009-10-13XPIIIX0058X0105ANTCT101309v2.xls	1599	36	2

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
4	2009-11-30XPIIIAntCTX0152X0105.xls	3162	267	8
	2009-12-10XPIIIIVANTCTX0155X0019.xls	4250	42	1
	2009-12-10XPIVANTCTX0138X0145.xls	3299	541	16
	2009-12-10XPIVAntCTX0139X0149.xls	3755	433	12
	2009-12-10XPIVANTCTX0141X0148.xls	3612	217	6
	2009-12-10XPIVANTCTX0147X0153.xls	3153	174	6
	2009-12-10XPIVANTCTX0151X0144.xls	4300	240	6
	2009-12-15XPIVANTCTX0132X0140.xls	2591	94	4
	2009-12-15XPIVANTCTX0133X0136.xls	2498	238	10
	2009-12-15XPIVANTCTX0135X0150.xls	4615	304	7
	2009-12-15XPIVANTCTX0146.xls	2631	386	15
	2009-12-15XPIVANTCTX0154X0143.xls	5539	701	13
	2009-12-15XPIVANTCTX0156X0137.xls	3130	162	5
	2009-12-22XPIVANTCTX0134X0142.xls	3111	266	9
	2009-12-29XPIVANTCTX0156X0137.xls	6482	573	9
	2009-12-10XPIVANTCTX0141X0148.xls	3612	217	6
	2009-12-10XPIVANTCTX0147X0153.xls	3153	174	6
	2009-12-10XPIVANTCTX0151X0144.xls	4300	240	6
	2009-12-15XPIVANTCTX0132X0140.xls	2591	94	4
	2009-12-15XPIVANTCTX0133X0136.xls	2498	238	10
	2009-12-15XPIVANTCTX0135X0150.xls	4615	304	7
	2009-12-15XPIVANTCTX0146.xls	2631	386	15
	2009-12-15XPIVANTCTX0154X0143.xls	5539	701	13
	2009-12-15XPIVANTCTX0156X0137.xls	3130	162	5
	2009-12-22XPIVANTCTX0134X0142.xls	3111	266	9
	2009-12-29XPIVANTCTX0156X0137.xls	6482	573	9

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-6 ECVAM Within-Plate Antagonist DMSO Data

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
1	Plate 1	5717	783	14
	Plate 2	3878	141	4
	Plate 3	1490	44	3
	Plate 4	1523	112	7
	Plate 5	3625	175	5
	Plate 6	3964	382	10
	Plate 7	4149	372	9
	Plate 8	4705	199	4
	Plate 9	2730	207	8
	Plate 10	2696	448	17
	Plate 11	2393	203	9
	Plate 12	2737	264	10
	Plate 13	2597	166	6
	Plate 14	2801	251	9
	Plate 15	5026	189	4
	Plate 16	4726	224	5
	Plate 17	6011	514	9
	Plate 18	7333	327	4
2a	Anta CT1 0079 0080.xls	1378	157	11
	Anta CT2 0079 0080.xls	1509	110	7
	Anta CT2 0081 0082.xls	1703	400	23
	Anta CT4 0079 0080.xls	1862	117	6
	Anta CT4 0081 0082.xls	2953	30	1
	Anta CT8 0082.xls	5102	944	19
	Anta CT1 0079 0080.xls	1378	157	11
	Anta CT1 0081 0082.xls	1352	65	5

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
2b	Anta CT1 V0083 V0084.xls	2654	474	18
	Anta CT1 V0085 V0086.xls	2522	119	5
	Anta CT3 V0083 V0084.xls	5398	483	9
	Anta CT3 V0085 V0086.xls	3217	524	16
	Anta CT3 V0087 V0088.xls	3212	91	3
	Anta CT3 V0089 V0090.xls	4134	131	3
	Anta CT4 V0083 V0084QCPP.xls	4794	232	5
	Anta CT4 V0085 V0086QCPP.xls	5577	384	7
	Anta CT4 V0087 V0088.xls	4427	314	7
	Anta CT4 V0089 V0090.xls	4147	280	7
	Anta CT5 V0087 V0088QCPP.xls	4008	46	1
	Anta CT5 V0089 V0090QCPP.xls	5449	293	5
3	Anta CT1 V0013 V0093-QCv2.xls	4065	482	12
	Anta CT1 V0048 V0091-QC.xls	3364	203	6
	Anta CT1 V0096 V0097-QC.xls	2615	264	10
	Anta CT1 V0098 V0100-QC.xls	2797	341	12
	Anta CT1 V0106 V0108-QC.xls	5498	512	9
	Anta CT1 V0109 V0110QC.xls	3744	143	4
	Anta CT1 V0111 V0113QC.xls	5220	1944	37
	Anta CT1 V0116 V0117QC.xls	5174	629	12
	Anta CT1 V0118 V0119QC.xls	3207	307	10
	Anta CT1 V0120 V0121QC.xls	3786	352	9
	Anta CT1 V0122 V0123QC.xls	3156	196	6
	Anta CT1 V0124 V0125QC.xls	3596	500	14

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-7 Hiyoshi Within-Plate Antagonist DMSO Data

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
1	Plate 1	2873	141	5
	Plate 2	2155	45	2
	Plate 3	4260	367	9
	Plate 4	4887	142	3
	Plate 5	6541	276	4
	Plate 6	3390	52	2
	Plate 7	4622	306	7
	Plate 8	4293	295	7
	Plate 9	4503	328	7
	Plate 10	3875	133	3
	Plate 11	5557	175	3
	Plate 12	1625	56	3
2a	AntCT080425-Ant1.xls	4529	19	1
	AntCT080425-Ant2.xls	4972	99	2
	AntCT080509-Ant3.xls	3286	267	8
	AntCT080509-Ant4.xls	2846	329	12
	AntCT080521-Ant5.xls	6635	292	4
	AntCT080521-Ant6.xls	7221	174	2
2b	AntCTT081114-Ant1-1.xls	6338	1256	20
	AntCTT081114-Ant2-1.xls	6047	183	3
	AntCTT081114-Ant3-1.xls	4633	281	6
	AntCTT081114-Ant4-1.xls	5231	132	3
	AntCTT081129-Ant1-2.xls	7789	1065	14
	AntCTT081129-Ant2-2.xls	7139	544	8
	AntCTT081129-Ant3-2.xls	7336	537	7
	AntCTT081129-Ant4-2.xls	6551	59	1
	AntCTT081212-Ant1-3.xls	5143	112	2
	AntCTT081212-Ant2-3.xls	5814	252	4
	AntCTT081212-Ant3-3.xls	7992	985	12
	AntCTT081212-Ant4-3.xls	7053	472	7
	AntCTT081219-Ant1-4.xls	5250	136	3
	AntCTT081219-Ant2-4.xls	5602	738	13

Phase	Plate I.D.	DMSO Mean (RLU)	DMSO SD	DMSO CV %
3	AntCTT081114-Ant-1.1.xls	3157	28	1
	AntCTT081114-Ant-1.2.xls	2411	162	7
	AntCTT081114-Ant-1.3.xls	2493	118	5
	AntCTT081114-Ant-1.4.xls	2754	231	8
	AntCTT081114-Ant-2.1.xls	2657	92	3
	AntCTT081114-Ant-2.2.xls	2660	167	6
	AntCTT081114-Ant-2.3.xls	2865	500	17
	AntCTT081114-Ant-2.4.xls	3037	615	20
	AntCTT081114-Ant-3.1.xls	5937	162	3
	AntCTT081114-Ant-3.2.xls	4779	294	6
	AntCTT081114-Ant-3.3.xls	4576	145	3
	AntCTT081114-Ant-3.4.xls	4578	263	6
	AntCTT081114-Ant-4.1.xls	5644	580	10
	AntCTT081114-Ant-4.2.xls	5183	399	8
	AntCTT081114-Ant-4.3.xls	6809	550	8
	AntCTT081114-Ant-4.4.xls	7791	168	2
	AntCTT081114-Ant-5.2.xls	8451	75	1
	AntCTT081114-Ant-5.5.xls	2093	104	5
	AntCTT081114-Ant-5.6.xls	2018	158	8
	AntCTT081114-Ant-5.7.xls	2267	193	9
	AntCTT081114-Ant-5.8.xls	2461	104	4

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.

Table L-8 Within-Plate Antagonist DMSO Mean Data by Laboratory

Laboratory	Phase	DMSO Mean (RLU)	DMSO Mean CV%	Number of Plates
XDS	1	499	9	14
	2a	1378	10	13
	2b	1910	4	12
	3	2746	8	32
	4	3742	8	15
	All	2230	9	86
ECVAM	1	3783	8	18
	2a	2154	11	8
	2b	4128	7	12
	3	3852	12	12
	All	3622	9	50
Hiyoshi	1	4048	5	12
	2a	4915	5	6
	2b	6280	7	14
	3	4030	7	21
	All	4728	6	53
All	All	3299	8	189

Abbreviations: CV = coefficient of variation; DMSO = dimethyl sulfoxide; ECVAM = European Centre for the Validation of Alternative Methods; RLU = relative light unit; SD = standard deviation; XDS = Xenobiotic Detection Systems, Inc.