

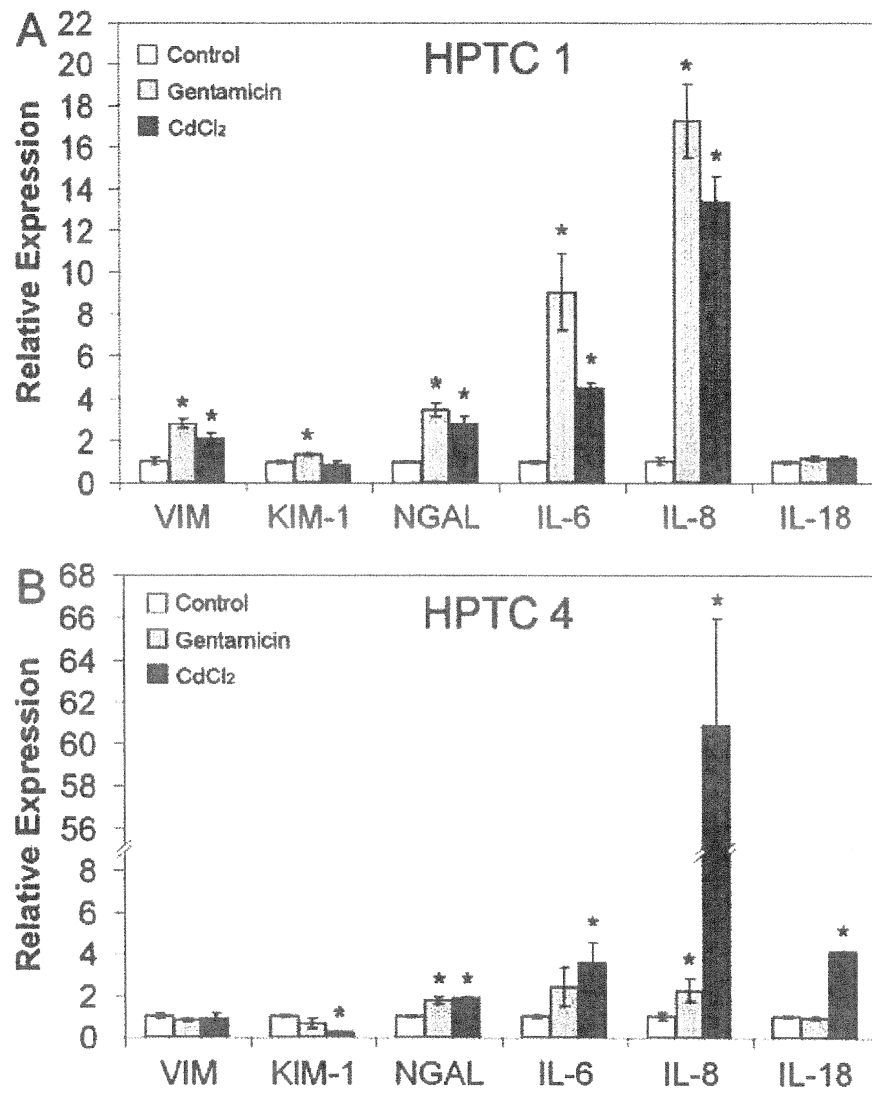


FIGURE 1

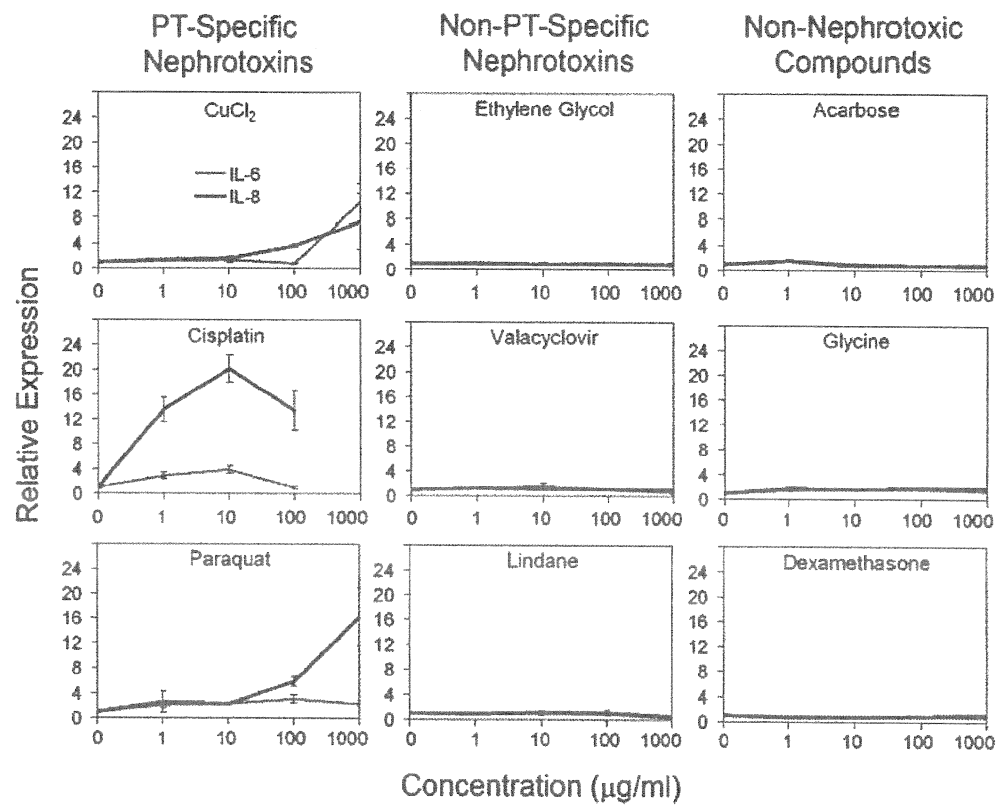


FIGURE 2

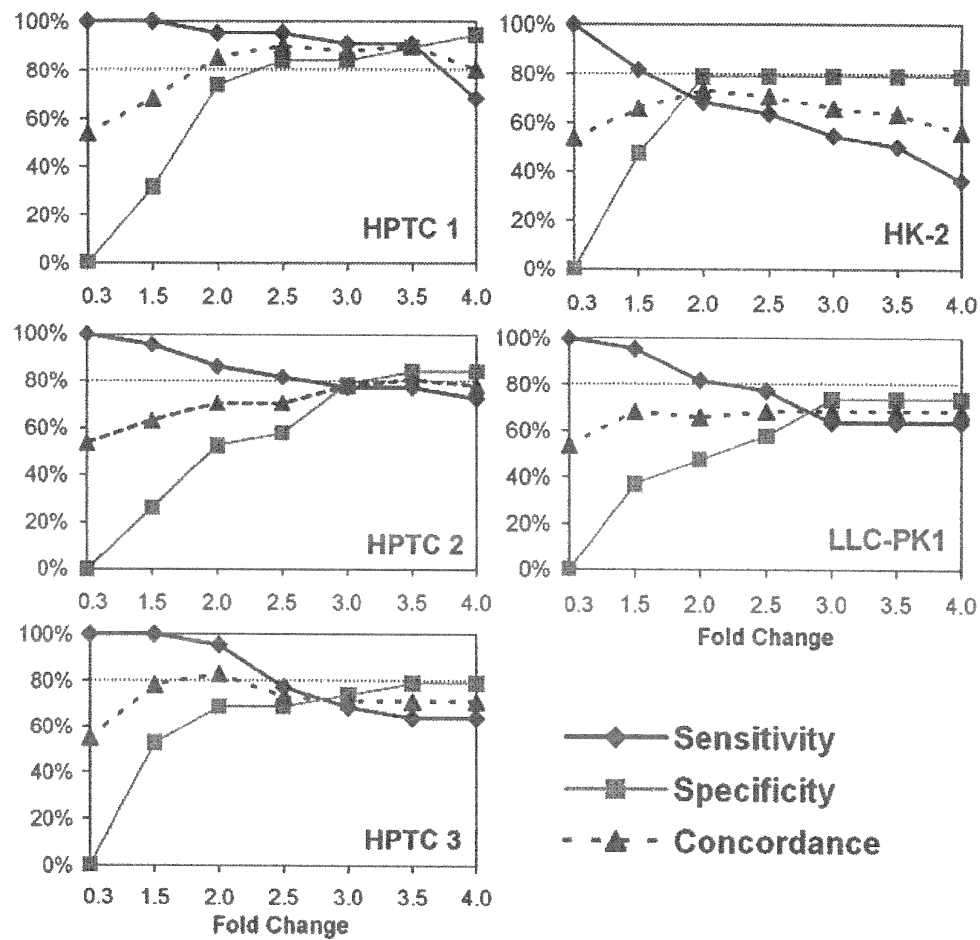


FIGURE 3

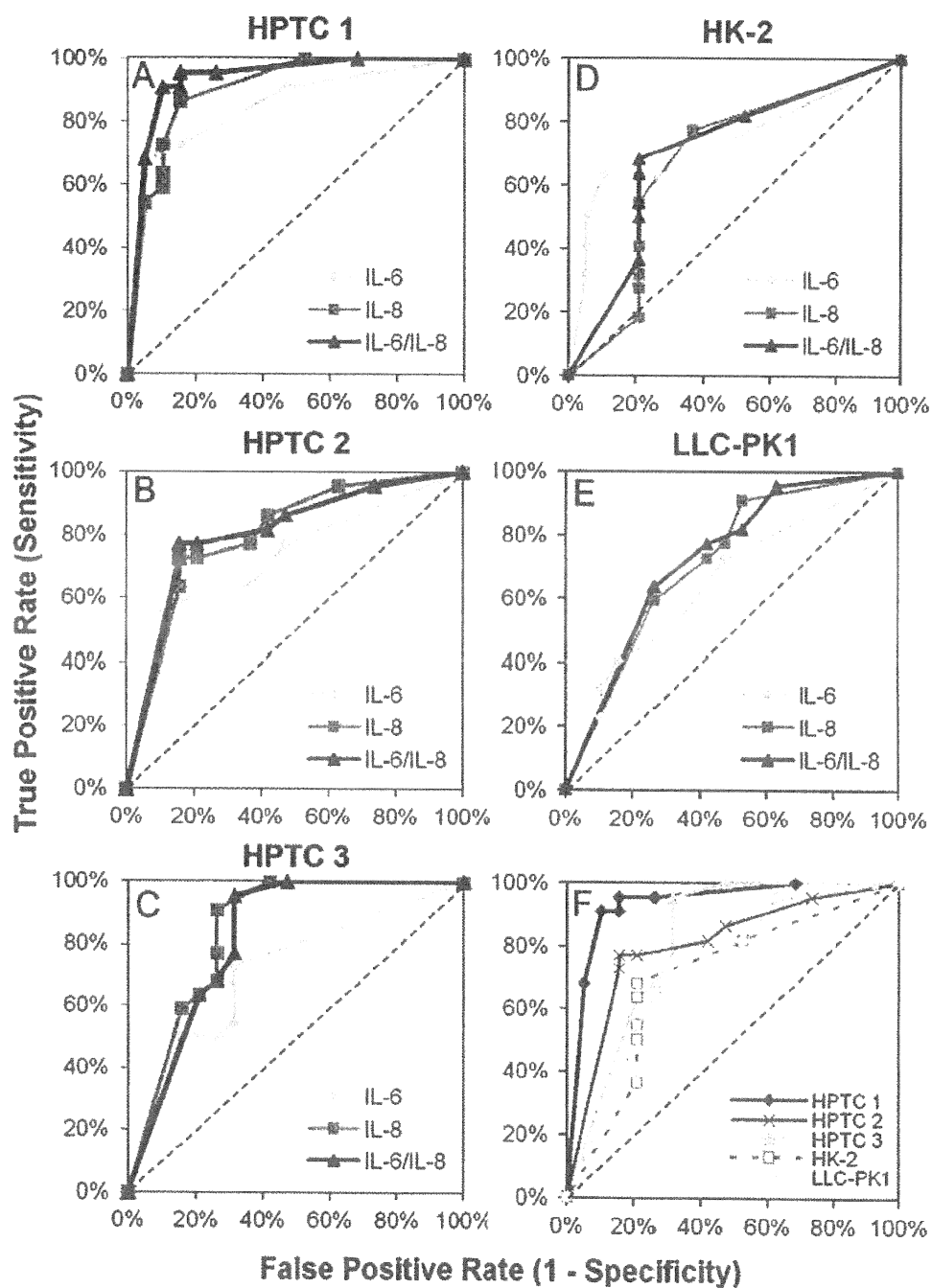


FIGURE 4

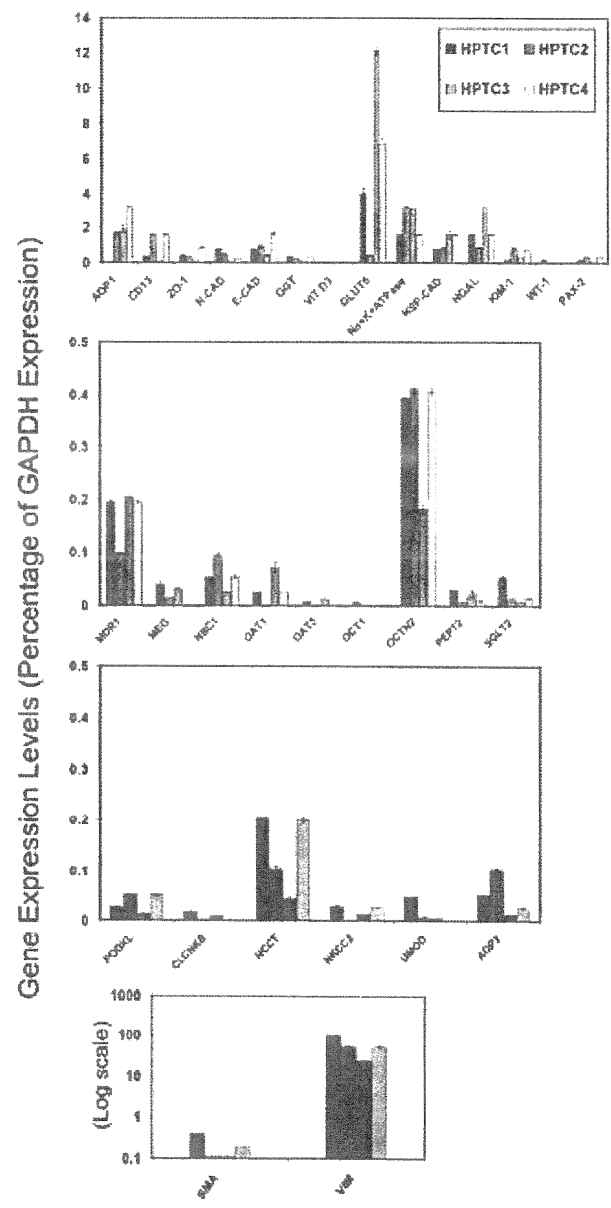


FIGURE 5

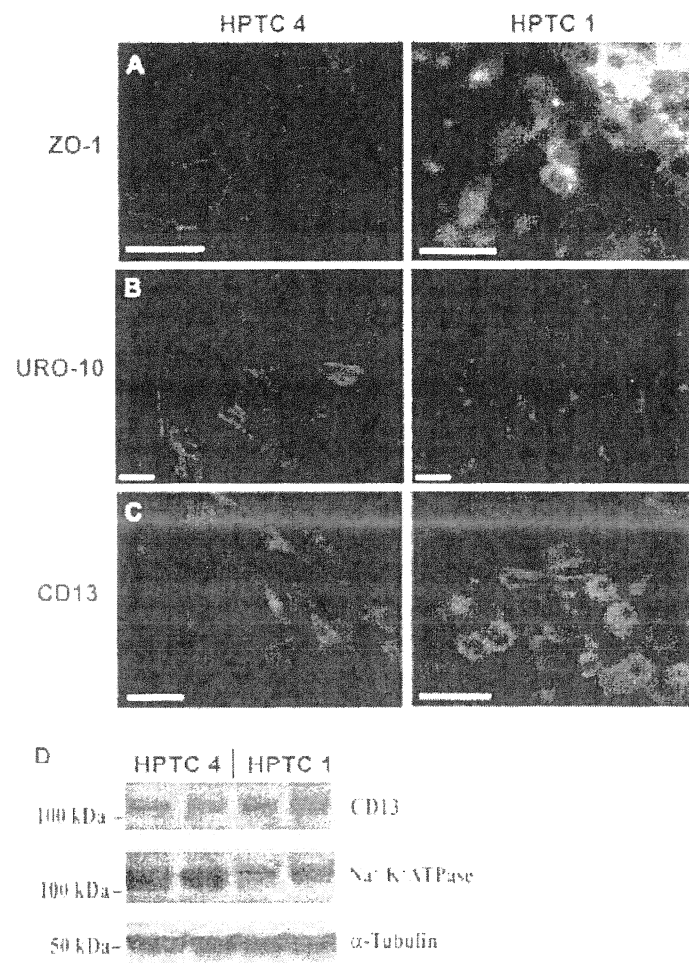


FIGURE 6

7/41

		In vivo (Clinical Data)	
		+	-
In vitro (Marker Gene Expression)	+	True positive (TP)	False positive (FP)
	-	False negative (FN)	True negative (TN)

Sensitivity = $TP / (TP + FN)$

Specificity = $TN / (FP + TN)$

Concordance = $(TP + TN) / (TP + FP + FN + TN)$

Balanced Accuracy = $(Sensitivity + Specificity) / 2$

Positive Predictive Value (PPV) = $TP / (TP + FP)$

Negative Predictive Value (NPV) = $TN / (TN + FN)$

FIGURE 7

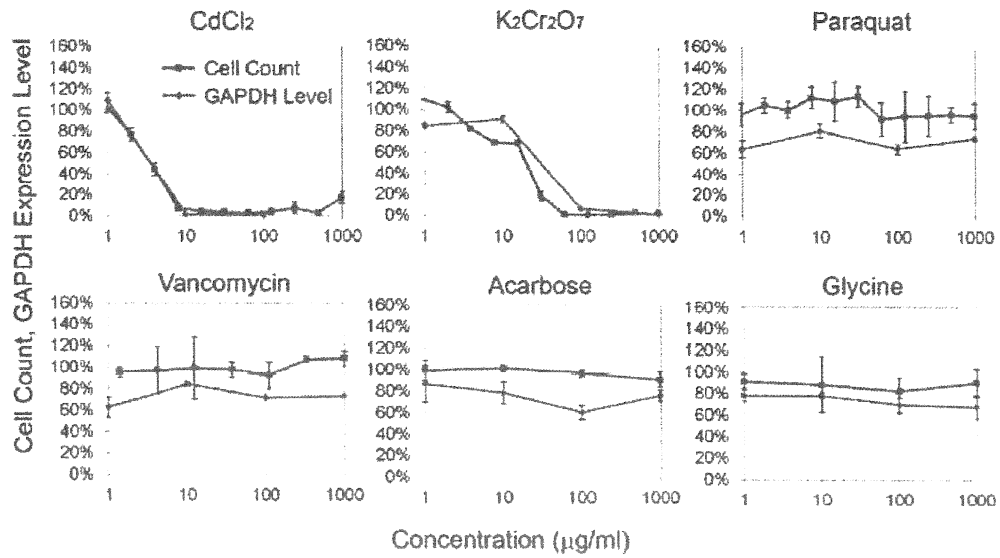


FIGURE 8

TABLE 1

No.	Compound	HK-2		LLC-PK1	
		IL-6	IL-8	IL-6	IL-8
1	Gentamicin	1.2 ± 0.1	1.3 ± 0.5	5.2 ± 1.0	2.7 ± 0.1
2	Tobramycin	1.4 ± 0.2	1.1 ± 0.1	1.2 ± 0.0	2.3 ± 0.2
3	Rifampicin	12.8 ± 1.7	5.1 ± 0.2	1.4 ± 0.2	8.4 ± 0.1
4	Tetracycline	8.6 ± 1.3	18.8 ± 5.3	4.8 ± 0.3	8.9 ± 0.3
5	Polymyxin	120.5 ± 26.1	30.5 ± 2.7	313.7 ± 31.4	839.4 ± 305.9
6	Cephalosporin C	2.6 ± 0.3	1.9 ± 0.3	1.1 ± 0.0	1.6 ± 0.2
7	5-Fluorouracil	3.6 ± 0.8	14.3 ± 1.2	1.8 ± 0.1	10.1 ± 0.7
8	Cisplatin	1.7 ± 0.1	2.5 ± 0.1	1.7 ± 0.1	1.2 ± 0.4
9	Ifosfamide	1.2 ± 0.1	1.7 ± 0.1	1.0 ± 0.1	1.7 ± 0.0
10	Paracetamol	1.2 ± 0.1	1.4 ± 0.5	6.3 ± 0.3	20.3 ± 2.0
11	Arsenic(III) oxide	5.9 ± 0.5	2.0 ± 1.0	0.9 ± 0.1	6.9 ± 0.3
12	Bismuth(III) oxide	1.3 ± 0.0	3.0 ± 0.0	1.8 ± 0.1	4.3 ± 0.9
13	Cadmium(II) chloride	2.8 ± 0.8	3.7 ± 0.7	12.9 ± 7.2	12.2 ± 4.3
14	Copper(II) chloride	16.1 ± 1.1	1.2 ± 0.1	3.7 ± 0.2	37.0 ± 4.4
15	Germanium(IV) oxide	0.7 ± 0.1	1.5 ± 0.2	2.4 ± 0.0	2.5 ± 0.1
16	Gold(III) chloride	3.5 ± 0.5	1.9 ± 0.4	2.8 ± 0.0	1.6 ± 0.3
17	Lead acetate	2.0 ± 0.4	2.1 ± 0.1	2.5 ± 0.2	16.3 ± 4.3
18	Potassium dichromate	0.6 ± 0.0	0.6 ± 0.1	0.9 ± 0.0	1.4 ± 0.2
19	Tacrolimus	7.8 ± 0.4	2.8 ± 0.1	7.4 ± 1.0	301.3 ± 27.5
20	Cyclosporin A	1.2 ± 0.1	1.6 ± 0.3	2.4 ± 0.6	4.9 ± 1.2
21	Citrinin	14.7 ± 1.5	1.7 ± 0.0	1.7 ± 0.5	2.6 ± 0.3
22	Tenofovir	2.0 ± 0.3	3.9 ± 0.5	1.5 ± 0.1	4.0 ± 0.3
23	Vancomycin	0.8 ± 0.0	1.2 ± 0.2	0.9 ± 0.1	1.2 ± 0.1
24	Phenacetin	0.7 ± 0.1	4.7 ± 0.6	1.3 ± 0.1	16.1 ± 0.4
25	Acetaminophen	1.2 ± 0.2	1.2 ± 0.1	2.3 ± 0.4	1.8 ± 0.3
26	Ibuprofen	0.9 ± 0.5	0.5 ± 0.2	2.1 ± 0.5	2.9 ± 1.0
27	Furosemide	1.0 ± 0.1	8.3 ± 0.7	2.6 ± 0.1	13.7 ± 1.2
28	Lithium chloride	1.6 ± 0.0	1.4 ± 0.1	1.0 ± 0.0	1.0 ± 0.1
29	Lindane	1.5 ± 0.6	0.5 ± 0.0	0.9 ± 0.2	1.2 ± 0.1
30	Ethylene glycol	1.3 ± 0.1	1.6 ± 0.1	1.1 ± 0.1	2.6 ± 0.1
31	Valacyclovir	1.4 ± 0.0	1.7 ± 0.3	1.6 ± 0.3	1.3 ± 0.0
32	Lincomycin	0.9 ± 0.2	1.1 ± 0.2	1.6 ± 0.1	2.1 ± 0.1
33	Ciprofloxacin	1.1 ± 0.1	1.2 ± 0.1	8.2 ± 2.6	9.1 ± 0.6
34	Ribavirin	1.3 ± 0.1	1.3 ± 0.1	1.8 ± 0.0	0.8 ± 0.0
35	Glycine	1.3 ± 0.1	1.5 ± 0.0	0.9 ± 0.1	1.0 ± 0.0
36	Dexamethasone	1.0 ± 0.1	0.8 ± 0.1	0.8 ± 0.0	0.7 ± 0.1
37	Melatonin	0.8 ± 0.0	0.3 ± 0.0	2.4 ± 0.3	2.6 ± 0.2
38	Levodopa (DOPA)	1.5 ± 0.3	1.2 ± 0.1	0.8 ± 0.0	1.1 ± 0.0
39	Triiodothyronine	2.4 ± 0.6	10.2 ± 3.5	7.7 ± 0.6	164.4 ± 4.0
40	Arabinose	1.2 ± 0.1	1.0 ± 0.0	1.1 ± 0.0	1.1 ± 0.0
41	Atorvastatin	35.0 ± 4.3	82.4 ± 8.2	0.9 ± 0.0	11.0 ± 1.0

FIGURE 9

TABLE 2

No.	HPTC 1		HPTC 2		HPTC 3	
	IL-6	IL-8	IL-6	IL-8	IL-6	IL-8
1	16.9 ± 0.2	8.6 ± 1.3	1.7 ± 0.1	2.0 ± 0.1	1.6 ± 0.1	1.9 ± 0.3
2	8.0 ± 0.9	8.9 ± 1.2	1.4 ± 0.0	1.5 ± 0.1	1.4 ± 0.1	2.0 ± 0.1
3	38.9 ± 3.0	110.8 ± 39.0	3.6 ± 0.7	13.1 ± 3.0	5.3 ± 0.4	7.3 ± 2.7
4	6.3 ± 0.7	1.5 ± 0.1	2.3 ± 0.3	3.6 ± 0.8	23.6 ± 2.8	35.5 ± 4.4
5	8.5 ± 1.0	9.5 ± 0.6	79.5 ± 1.7	146.1 ± 3.1	80.4 ± 2.7	46.4 ± 1.2
6	3.9 ± 0.1	2.3 ± 0.2	3.6 ± 0.3	9.2 ± 0.2	1.4 ± 0.1	2.4 ± 0.6
7	3.6 ± 0.8	2.4 ± 0.2	4.8 ± 0.6	3.8 ± 0.9	12.0 ± 1.8	5.4 ± 0.4
8	3.8 ± 0.6	20.1 ± 2.2	27.9 ± 0.8	32.7 ± 0.9	12.1 ± 0.4	21.9 ± 0.8
9	1.7 ± 0.2	1.5 ± 0.2	1.3 ± 0.1	1.8 ± 0.4	2.9 ± 0.3	2.6 ± 0.2
10	3.1 ± 0.7	16.3 ± 4.6	7.5 ± 0.0	13.2 ± 0.3	11.8 ± 0.5	9.7 ± 0.2
11	3.0 ± 0.1	6.0 ± 0.1	1.6 ± 0.0	25.7 ± 3.8	31.4 ± 12.8	22.8 ± 4.0
12	1.1 ± 0.3	11.9 ± 6.2	1.9 ± 0.3	22.5 ± 2.0	4.0 ± 0.1	9.6 ± 1.8
13	6.6 ± 0.5	9.7 ± 2.5	12.9 ± 0.6	165.2 ± 14.7	10.8 ± 1.2	13.3 ± 1.4
14	10.4 ± 2.9	7.5 ± 4.4	12.4 ± 1.4	119.0 ± 5.4	0.9 ± 0.2	9.9 ± 1.1
15	1.7 ± 0.5	2.9 ± 1.7	3.6 ± 0.2	5.7 ± 0.2	2.2 ± 0.2	3.4 ± 0.5
16	10.0 ± 1.3	2.2 ± 0.7	13.6 ± 1.0	8.3 ± 0.5	5.8 ± 2.5	3.5 ± 1.0
17	3.5 ± 0.4	3.3 ± 0.1	8.6 ± 0.4	23.8 ± 2.9	2.3 ± 0.2	2.8 ± 0.4
18	1.7 ± 0.2	3.8 ± 1.0	0.8 ± 0.0	2.7 ± 0.3	0.6 ± 0.2	10.1 ± 0.9
19	24.6 ± 5.7	3.9 ± 1.3	37.6 ± 0.7	29.3 ± 4.3	38.1 ± 1.2	25.0 ± 0.8
20	1.1 ± 0.2	5.6 ± 1.3	3.4 ± 0.7	67.4 ± 3.1	1.3 ± 0.1	17.8 ± 1.6
21	3.9 ± 0.7	2.3 ± 0.7	1.3 ± 0.1	4.9 ± 0.1	2.3 ± 0.3	1.5 ± 0.1
22	1.6 ± 0.1	4.3 ± 0.4	0.7 ± 0.0	1.0 ± 0.0	1.1 ± 0.1	2.0 ± 0.2
23	1.4 ± 0.2	1.6 ± 0.3	1.4 ± 0.2	1.8 ± 0.4	1.0 ± 0.4	0.8 ± 0.2
24	1.2 ± 0.1	1.3 ± 0.1	0.8 ± 0.1	0.9 ± 0.2	6.2 ± 1.0	3.6 ± 0.3
25	1.3 ± 0.0	1.5 ± 0.1	2.9 ± 0.2	2.6 ± 0.1	0.8 ± 0.1	0.9 ± 0.0
26	2.6 ± 0.8	3.1 ± 1.4	16.1 ± 1.2	4.3 ± 0.3	2.9 ± 0.1	1.5 ± 0.3
27	1.7 ± 0.4	1.9 ± 0.5	2.6 ± 0.2	2.6 ± 0.2	9.0 ± 0.6	8.2 ± 0.7
28	0.7 ± 0.1	0.5 ± 0.1	17.4 ± 0.8	20.5 ± 0.8	1.1 ± 0.2	1.3 ± 0.3
29	1.0 ± 0.3	1.1 ± 0.4	0.8 ± 0.0	1.5 ± 0.1	0.9 ± 0.2	1.2 ± 0.0
30	1.0 ± 0.1	1.1 ± 0.1	1.8 ± 0.1	2.0 ± 0.1	1.0 ± 0.2	1.2 ± 0.3
31	1.7 ± 0.4	1.3 ± 0.1	1.6 ± 0.3	1.2 ± 0.2	1.4 ± 0.2	1.3 ± 0.2
32	1.3 ± 0.1	1.2 ± 0.0	1.3 ± 0.1	1.4 ± 0.1	1.0 ± 0.2	1.1 ± 0.2
33	4.7 ± 0.6	5.3 ± 1.1	1.3 ± 0.1	1.6 ± 0.2	2.9 ± 0.1	3.2 ± 0.3
34	1.5 ± 0.1	1.4 ± 0.1	1.2 ± 0.1	1.4 ± 0.1	1.2 ± 0.3	1.7 ± 0.4
35	1.7 ± 0.2	2.0 ± 0.1	2.7 ± 0.8	1.3 ± 0.0	1.0 ± 0.1	1.2 ± 0.1
36	0.9 ± 0.1	1.1 ± 0.1	2.7 ± 0.1	2.9 ± 0.0	1.4 ± 0.2	1.7 ± 0.3
37	1.2 ± 0.1	1.5 ± 0.3	1.1 ± 0.3	1.4 ± 0.2	0.9 ± 0.1	1.3 ± 0.1
38	1.8 ± 0.0	1.3 ± 0.1	1.2 ± 0.2	3.1 ± 0.2	0.6 ± 0.1	1.3 ± 0.2
39	3.4 ± 1.0	1.8 ± 0.1	3.1 ± 0.3	24.0 ± 3.4	3.4 ± 0.3	5.1 ± 0.3
40	1.6 ± 0.2	1.5 ± 0.1	1.2 ± 0.0	1.3 ± 0.0	1.3 ± 0.1	1.3 ± 0.1
41	1.0 ± 0.3	3.6 ± 1.2	1.0 ± 0.0	1.6 ± 0.1	128.5 ± 21.1	38.2 ± 7.1

FIGURE 10

TABLE 3

	HPTC 1		Threshold = 2.0	
	IL-6	IL-8	+/- Test	Sensitivity/Specificity
1	16.9 ± 0.2	8.6 ± 1.3	+	Sensitivity = 21/22 = 96% positive
2	8.0 ± 0.9	8.9 ± 1.2	+	
3	38.9 ± 3.0	110.8 ± 39.0	+	
4	6.3 ± 0.7	1.5 ± 0.1	+	
5	8.5 ± 1.0	9.5 ± 0.6	+	
6	3.9 ± 0.1	2.3 ± 0.2	+	
7	3.6 ± 0.8	2.4 ± 0.2	+	
8	3.8 ± 0.6	20.1 ± 2.2	+	
9	1.7 ± 0.2	1.5 ± 0.2	-	
10	3.1 ± 0.7	16.3 ± 4.6	+	
11	3.0 ± 0.1	6.0 ± 0.1	+	
12	1.1 ± 0.3	11.9 ± 6.2	+	Specificity = 14/19 = 74% negative
13	6.6 ± 0.5	9.7 ± 2.5	+	
14	10.4 ± 2.9	7.5 ± 4.4	+	
15	1.7 ± 0.5	2.9 ± 1.7	+	
16	10.0 ± 1.3	2.2 ± 0.7	+	
17	3.5 ± 0.4	3.3 ± 0.1	+	
18	1.7 ± 0.2	3.8 ± 1.0	+	
19	24.6 ± 5.7	3.9 ± 1.3	+	
20	1.1 ± 0.2	5.6 ± 1.3	+	
21	3.9 ± 0.7	2.3 ± 0.7	+	
22	1.6 ± 0.1	4.3 ± 0.4	+	
23	1.4 ± 0.2	1.6 ± 0.3	-	
24	1.2 ± 0.1	1.3 ± 0.1	-	
25	1.3 ± 0.0	1.5 ± 0.1	-	
26	2.6 ± 0.8	3.1 ± 1.4	+	
27	1.7 ± 0.4	1.9 ± 0.5	-	
28	0.7 ± 0.1	0.5 ± 0.1	-	
29	1.0 ± 0.3	1.1 ± 0.4	-	
30	1.0 ± 0.1	1.1 ± 0.1	-	
31	1.7 ± 0.4	1.3 ± 0.1	-	
32	1.3 ± 0.1	1.2 ± 0.0	-	
33	4.7 ± 0.6	5.3 ± 1.1	+	
34	1.5 ± 0.1	1.4 ± 0.1	-	
35	1.7 ± 0.2	2.0 ± 0.1	+	
36	0.9 ± 0.1	1.1 ± 0.1	-	
37	1.2 ± 0.1	1.5 ± 0.3	-	
38	1.8 ± 0.0	1.3 ± 0.1	-	
39	3.4 ± 1.0	1.8 ± 0.1	+	
40	1.6 ± 0.2	1.5 ± 0.1	-	
41	1.0 ± 0.3	3.6 ± 1.2	+	

FIGURE 11

TABLE 4

HPTC 1			Threshold = 3.5	
	IL-6	IL-8	+/- Test	Sensitivity/Specificity
1	16.9 ± 0.2	8.6 ± 1.3	+	Sensitivity = 20/22 = 91% positive
2	8.0 ± 0.9	8.9 ± 1.2	+	
3	38.9 ± 3.0	110.8 ± 39.0	+	
4	6.3 ± 0.7	1.5 ± 0.1	+	
5	8.5 ± 1.0	9.5 ± 0.6	+	
6	3.9 ± 0.1	2.3 ± 0.2	+	
7	3.6 ± 0.8	2.4 ± 0.2	+	
8	3.8 ± 0.6	20.1 ± 2.2	+	
9	1.7 ± 0.2	1.5 ± 0.2	—	
10	3.1 ± 0.7	16.3 ± 4.6	+	
11	3.0 ± 0.1	6.0 ± 0.1	+	Specificity = 17 /19 = 90% negative
12	1.1 ± 0.3	11.9 ± 6.2	+	
13	6.6 ± 0.5	9.7 ± 2.5	+	
14	10.4 ± 2.9	7.5 ± 4.4	+	
15	1.7 ± 0.5	2.9 ± 1.7	—	
16	10.0 ± 1.3	2.2 ± 0.7	+	
17	3.5 ± 0.4	3.3 ± 0.1	+	
18	1.7 ± 0.2	3.8 ± 1.0	+	
19	24.6 ± 5.7	3.9 ± 1.3	+	
20	1.1 ± 0.2	5.6 ± 1.3	+	
21	3.9 ± 0.7	2.3 ± 0.7	+	
22	1.6 ± 0.1	4.3 ± 0.4	+	
23	1.4 ± 0.2	1.6 ± 0.3	—	
24	1.2 ± 0.1	1.3 ± 0.1	—	
25	1.3 ± 0.0	1.5 ± 0.1	—	
26	2.6 ± 0.8	3.1 ± 1.4	—	
27	1.7 ± 0.4	1.9 ± 0.5	—	
28	0.7 ± 0.1	0.5 ± 0.1	—	
29	1.0 ± 0.3	1.1 ± 0.4	—	
30	1.0 ± 0.1	1.1 ± 0.1	—	
31	1.7 ± 0.4	1.3 ± 0.1	—	
32	1.3 ± 0.1	1.2 ± 0.0	—	
33	4.7 ± 0.6	5.3 ± 1.1	+	
34	1.5 ± 0.1	1.4 ± 0.1	—	
35	1.7 ± 0.2	2.0 ± 0.1	—	
36	0.9 ± 0.1	1.1 ± 0.1	—	
37	1.2 ± 0.1	1.5 ± 0.3	—	
38	1.8 ± 0.0	1.3 ± 0.1	—	
39	3.4 ± 1.0	1.8 ± 0.1	—	
40	1.6 ± 0.2	1.5 ± 0.1	—	
41	1.0 ± 0.3	3.6 ± 1.2	+	

FIGURE 12

TABLE 5

Thresholds		HK-2	LLC-PK1	HPTC 1	HPTC 2	HPTC 3
0.3	TP	22 (100%)	22 (100%)	22 (100%)	22 (100%)	22 (100%)
	TN	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)
1.5	TP	18 (82%)	21 (96%)	22 (100%)	21 (96%)	22 (100%)
	TN	9 (47%)	7 (37%)	6 (32%)	5 (26%)	10 (53%)
2.0	TP	15 (68%)	18 (82%)	21 (96%)	19 (86%)	21 (96%)
	TN	15 (79%)	9 (47%)	14 (74%)	10 (53%)	13 (68%)
2.5	TP	14 (64%)	17 (77%)	21 (96%)	18 (82%)	17 (77%)
	TN	15 (79%)	11 (58%)	16 (84%)	11 (58%)	13 (68%)
3.0	TP	12 (55%)	14 (64%)	20 (91%)	17 (77%)	15 (68%)
	TN	15 (79%)	14 (74%)	16 (84%)	15 (79%)	14 (74%)
3.5	TP	11 (50%)	14 (64%)	20 (91%)	17 (77%)	14 (64%)
	TN	15 (79%)	14 (74%)	17 (90%)	16 (84%)	15 (79%)
4.0	TP	8 (36%)	14 (64%)	15 (68%)	16 (73%)	14 (64%)
	TN	15 (79%)	14 (74%)	18 (95%)	16 (84%)	15 (79%)

FIGURE 13

TABLE 6

Cell type	AUC		
	IL-6/IL-8	IL-6	IL-8
HPTC 1	0.94	0.85	0.90
HPTC 2	0.81	0.72	0.80
HPTC 3	0.82	0.71	0.84
HPTC mean	0.85	0.76	0.85
HPTC median	0.82	0.72	0.84
HK-2	0.71	0.74	0.68
LLC-PK1	0.73	0.65	0.72

FIGURE 14

TABLE 7

Cell type	Balanced accuracy	Sensitivity	Specificity	PPV	NPV	AUC
HPTC 1	0.90	0.91	0.90	0.91	0.94	0.94
HPTC 2	0.81	0.77	0.84	0.85	0.76	0.81
HPTC 3	0.71	0.64	0.79	0.78	0.68	0.82
HPTC mean	0.81	0.77	0.84	0.85	0.79	0.85
HPTC median	0.81	0.77	0.84	0.85	0.76	0.82
HK-2	0.65	0.50	0.79	0.73	0.60	0.71
LLC-PK1	0.69	0.64	0.74	0.74	0.67	0.73

FIGURE 15

TABLE 8

No.	HPTC 1		HK-2		LLC-PK1	
	IL-6/IL-8	IC ₅₀ (µg ml ⁻¹)	IL-6/IL-8	IC ₅₀ (µg ml ⁻¹)	IL-6/IL-8	IC ₅₀ (µg ml ⁻¹)
1	+	>1000	-	>1000	+	>1000
2	+	>1000	-	>1000	-	>1000
3	+	707	+	632	+	795
4	+	>1000	+	ND	+	>1000
5	+	>1000	+	ND	+	ND
6	+	47	-	94	-	38
7	+	ND	+	>1000	+	469
8	+	ND	-	ND	-	ND
9	-	>1000	-	>1000	-	>1000
10	+	>1000	-	>1000	+	69
11	+	21	+	7	+	19
12	+	>1000	-	>1000	+	>1000
13	+	4	+	ND	+	9
14	+	147.0	+	116	+	79
15	-	>1000	+	ND	-	>1000
16	+	96	+	ND	+	ND
17	+	>1000	+	ND	+	>1000
18	+	23	-	14	-	ND
19	+	45	+	44	+	45
20	+	>1000	-	>1000	+	ND
21	+	ND	+	ND	-	ND
22	+	>1000	+	>1000	+	ND
23	-	>1000	-	>1000	-	>1000
24	-	>1000	+	>1000	+	>1000
25	-	>1000	-	>1000	-	>1000
26	-	742	-	678	-	945
27	-	>1000	+	>1000	+	>1000
28	-	>1000	-	>1000	-	>1000
29	-	>1000	-	>1000	-	>1000
30	-	>1000	-	>1000	-	>1000
31	-	>1000	-	>1000	-	>1000
32	-	>1000	-	ND	-	>1000
33	+	>1000	-	>1000	+	>1000

FIGURE 16

TABLE 8 (CONTINUED)

34	1	>1000	1	>1000	1	>1000
35	1	>1000	1	>1000	1	>1000
36	1	>1000	1	>1000	1	>1000
37	1	>1000	1	>1000	1	>1000
38	1	>1000	1	>1000	71	>1000
39	1	>1000	+	>1000	+	>1000
40	1	>1000	1	>1000	1	>1000
41	+	>1000	+	>1000	+	>1000

FIGURE 16 (CONTINUED)

TABLE 9

Compound	HPTC 1, IL-6 Expression				
	0	1	10	100	1000
1	1.0 ± 0.0	1.0 ± 0.0	1.2 ± 0.0	2.9 ± 0.1	16.9 ± 0.2
2	1.0 ± 0.2	1.3 ± 0.1	1.5 ± 0.1	1.8 ± 0.3	8.0 ± 0.9
3	1.0 ± 0.2	3.2 ± 0.5	3.1 ± 0.2	1.7 ± 0.9	38.9 ± 3.0
4	1.0 ± 0.0	1.1 ± 0.1	1.4 ± 0.9	6.3 ± 0.7	1.0 ± 0.1
5	1.0 ± 0.1	1.0 ± 0.1	8.5 ± 1.0	5.0 ± 0.4	6.8 ± 1.3
6	1.0 ± 0.2	0.9 ± 0.0	1.0 ± 0.0	0.7 ± 0.1	3.9 ± 0.1
7	1.0 ± 0.1	1.4 ± 0.2	1.7 ± 0.3	2.6 ± 0.1	3.6 ± 0.8
8	1.0 ± 0.1	2.9 ± 0.6	3.8 ± 0.6	1.0 ± 0.2	ND
9	1.0 ± 0.1	1.5 ± 0.1	1.7 ± 0.2	1.6 ± 0.1	0.8 ± 0.1
10	1.0 ± 0.3	2.0 ± 0.5	2.4 ± 0.2	3.1 ± 0.7	2.4 ± 0.5
11	1.0 ± 0.1	1.1 ± 0.1	0.8 ± 0.1	0.4 ± 0.0	3.0 ± 0.1
12	1.0 ± 0.1	1.1 ± 0.3	1.1 ± 0.2	1.0 ± 0.4	ND
13	1.0 ± 0.1	1.5 ± 0.1	6.6 ± 0.5	2.9 ± 1.5	ND
14	1.0 ± 0.3	1.2 ± 0.2	1.4 ± 0.4	0.9 ± 0.1	10.4 ± 2.9
15	1.0 ± 0.1	0.8 ± 0.1	1.0 ± 0.4	1.2 ± 0.0	1.7 ± 0.5
16	1.0 ± 0.1	1.0 ± 0.1	1.7 ± 0.3	0.8 ± 0.1	10.0 ± 1.3
17	1.0 ± 0.1	1.4 ± 0.3	1.8 ± 0.6	2.4 ± 0.3	3.5 ± 0.4
18	1.0 ± 0.2	0.0 ± 0.0	0.3 ± 0.1	0.6 ± 0.1	1.7 ± 0.2
19	1.1 ± 0.6	7.7 ± 1.6	7.7 ± 0.4	11.7 ± 3.5	24.6 ± 5.7
20	1.0 ± 0.1	0.9 ± 0.2	1.1 ± 0.2	0.9 ± 0.1	0.6 ± 0.2
21	1.0 ± 0.1	1.1 ± 0.3	1.1 ± 0.1	0.6 ± 0.1	3.9 ± 0.7
22	1.0 ± 0.0	1.5 ± 0.2	1.6 ± 0.1	1.5 ± 0.1	0.8 ± 0.0
23	1.0 ± 0.2	1.3 ± 0.0	1.4 ± 0.2	1.3 ± 0.3	0.8 ± 0.2
24	1.0 ± 0.3	1.1 ± 0.2	1.2 ± 0.1	1.1 ± 0.2	0.1 ± 0.0
25	1.0 ± 0.1	1.2 ± 0.1	1.3 ± 0.0	1.0 ± 0.1	0.2 ± 0.0
26	1.1 ± 0.3	0.5 ± 0.1	0.8 ± 0.1	0.9 ± 0.1	2.6 ± 0.8
27	1.1 ± 0.5	0.3 ± 0.0	0.4 ± 0.0	0.2 ± 0.0	1.7 ± 0.4
28	1.0 ± 0.0	0.7 ± 0.1	0.4 ± 0.2	0.4 ± 0.0	0.1 ± 0.0
29	1.0 ± 0.2	0.9 ± 0.0	1.0 ± 0.3	1.0 ± 0.2	0.4 ± 0.0
30	1.0 ± 0.2	0.9 ± 0.1	1.0 ± 0.2	1.0 ± 0.1	0.7 ± 0.1

FIGURE 17

TABLE 9 (CONTINUED)

31	1.0 ± 0.1	1.3 ± 0.1	1.7 ± 0.4	1.1 ± 0.1	0.7 ± 0.3
32	1.0 ± 0.2	1.3 ± 0.1	1.1 ± 0.1	1.0 ± 0.0	0.9 ± 0.1
33	1.0 ± 0.1	1.6 ± 0.2	1.4 ± 0.2	2.3 ± 0.2	4.7 ± 0.6
34	1.1 ± 0.2	1.5 ± 0.1	0.9 ± 0.1	0.3 ± 0.0	0.3 ± 0.0
35	1.0 ± 0.1	1.5 ± 0.1	1.6 ± 0.2	1.7 ± 0.2	1.4 ± 0.1
36	1.0 ± 0.1	0.9 ± 0.0	0.8 ± 0.0	0.9 ± 0.1	0.8 ± 0.1
37	1.0 ± 0.0	1.2 ± 0.1	1.0 ± 0.0	0.8 ± 0.0	0.1 ± 0.0
38	1.1 ± 0.3	1.1 ± 0.1	1.8 ± 0.0	0.4 ± 0.0	0.3 ± 0.1
39	1.0 ± 0.2	1.2 ± 0.1	0.9 ± 0.1	0.4 ± 0.1	3.4 ± 1.0
40	1.0 ± 0.4	1.6 ± 0.2	1.0 ± 0.1	0.9 ± 0.1	0.9 ± 0.0
41	1.0 ± 0.2	1.0 ± 0.3	0.5 ± 0.1	0.7 ± 0.2	ND

FIGURE 17 (CONTINUED)

TABLE 10

Compound	HPTC 1, IL-8 Expression				
	0	1	10	100	1000
1	1.0 ± 0.3	0.9 ± 0.0	0.8 ± 0.1	0.7 ± 0.0	8.6 ± 1.3
2	1.0 ± 0.2	1.2 ± 0.1	1.2 ± 0.1	1.5 ± 0.3	8.9 ± 1.2
3	1.0 ± 0.4	6.9 ± 1.0	6.0 ± 0.7	4.1 ± 1.4	110.8 ± 39.0
4	1.0 ± 0.0	0.9 ± 0.0	1.2 ± 0.1	1.5 ± 0.1	0.8 ± 0.0
5	1.0 ± 0.0	0.3 ± 0.0	9.5 ± 0.6	8.8 ± 0.9	4.8 ± 0.5
6	1.0 ± 0.3	0.9 ± 0.1	1.0 ± 0.1	2.2 ± 1.1	2.3 ± 0.2
7	1.0 ± 0.0	1.2 ± 0.2	1.2 ± 0.2	2.4 ± 0.2	2.2 ± 0.4
8	1.0 ± 0.1	13.6 ± 2.0	20.1 ± 2.2	13.4 ± 3.2	ND
9	1.0 ± 0.1	1.4 ± 0.1	1.5 ± 0.2	1.5 ± 0.1	0.9 ± 0.2
10	1.0 ± 0.2	2.6 ± 1.7	2.3 ± 0.1	5.9 ± 0.8	16.3 ± 4.6
11	1.0 ± 0.0	1.1 ± 0.1	1.6 ± 0.2	0.8 ± 0.0	6.0 ± 0.1
12	1.0 ± 0.0	1.6 ± 0.3	6.1 ± 0.5	11.9 ± 6.2	ND
13	1.0 ± 0.0	1.9 ± 0.1	2.4 ± 0.1	9.7 ± 2.5	ND
14	1.0 ± 0.2	1.4 ± 0.2	1.7 ± 0.4	3.6 ± 0.3	7.5 ± 4.4
15	1.0 ± 0.2	0.8 ± 0.1	1.4 ± 0.3	1.5 ± 0.1	2.9 ± 1.7
16	1.0 ± 0.0	0.8 ± 0.0	2.2 ± 0.7	1.4 ± 0.4	0.5 ± 0.1
17	1.0 ± 0.1	1.2 ± 0.3	1.5 ± 0.2	2.6 ± 0.4	3.3 ± 0.1
18	1.1 ± 0.5	0.5 ± 0.1	3.8 ± 1.0	2.2 ± 0.4	1.3 ± 0.4
19	1.1 ± 0.4	3.5 ± 0.8	2.8 ± 0.2	3.9 ± 1.3	2.7 ± 1.1
20	1.0 ± 0.0	1.0 ± 0.2	1.1 ± 0.2	2.6 ± 1.9	5.6 ± 1.3
21	1.0 ± 0.1	1.3 ± 0.4	1.1 ± 0.2	0.7 ± 0.1	2.3 ± 0.7
22	1.0 ± 0.1	4.1 ± 1.0	4.3 ± 0.4	4.0 ± 0.5	1.3 ± 0.0
23	1.0 ± 0.3	1.3 ± 1.0	1.5 ± 0.3	1.6 ± 0.3	1.1 ± 0.2
24	1.0 ± 0.1	1.2 ± 0.1	1.3 ± 0.1	1.0 ± 0.2	0.0 ± 0.0
25	1.0 ± 0.1	1.4 ± 0.2	1.5 ± 0.1	1.1 ± 0.1	0.4 ± 0.1
26	1.0 ± 0.2	0.3 ± 0.0	0.5 ± 0.1	0.2 ± 0.0	3.1 ± 1.4
27	1.1 ± 0.4	0.5 ± 0.0	0.4 ± 0.0	0.2 ± 0.0	1.9 ± 0.5
28	1.0 ± 0.0	0.5 ± 0.1	0.5 ± 0.1	0.2 ± 0.0	0.2 ± 0.0
29	1.0 ± 0.3	1.0 ± 0.1	1.1 ± 0.3	1.1 ± 0.4	0.7 ± 0.1
30	1.0 ± 0.2	1.1 ± 0.1	1.0 ± 0.2	0.9 ± 0.0	1.0 ± 0.2

FIGURE 18

TABLE 10 (CONTINUED)

31	1.0 ± 0.1	1.3 ± 0.1	1.2 ± 0.0	1.2 ± 0.1	1.1 ± 0.1
32	1.0 ± 0.1	1.2 ± 0.0	1.0 ± 0.0	0.9 ± 0.0	0.8 ± 0.0
33	1.0 ± 0.3	1.5 ± 0.2	0.9 ± 0.1	0.6 ± 0.1	5.3 ± 1.1
34	1.0 ± 0.1	1.4 ± 0.1	0.9 ± 0.0	0.6 ± 0.1	0.4 ± 0.0
35	1.0 ± 0.2	1.9 ± 0.1	1.7 ± 0.1	2.0 ± 0.1	2.0 ± 0.1
36	1.0 ± 0.0	0.7 ± 0.1	0.8 ± 0.1	1.0 ± 0.0	1.1 ± 0.1
37	1.0 ± 0.0	1.5 ± 0.3	1.3 ± 0.1	0.7 ± 0.0	0.0 ± 0.0
38	1.1 ± 0.3	0.8 ± 0.0	1.3 ± 0.1	1.3 ± 0.1	0.3 ± 0.0
39	1.0 ± 0.1	1.8 ± 0.1	1.3 ± 0.0	0.9 ± 0.1	1.6 ± 0.5
40	1.0 ± 0.0	1.5 ± 0.1	0.8 ± 0.0	0.8 ± 0.1	0.7 ± 0.1
41	1.0 ± 0.1	1.2 ± 0.3	0.6 ± 0.1	3.6 ± 1.2	ND

FIGURE 18 (CONTINUED)

TABLE 11

Compound	HPTC 2, IL-6 Expression				
	0	1	10	100	1000
1	1.0 ± 0.0	0.9 ± 0.0	1.0 ± 0.0	1.0 ± 0.0	1.7 ± 0.1
2	1.0 ± 0.0	1.1 ± 0.1	0.9 ± 0.0	1.2 ± 0.1	1.4 ± 0.0
3	1.0 ± 0.1	1.7 ± 0.2	1.8 ± 0.1	1.2 ± 0.0	3.6 ± 0.7
4	1.0 ± 0.1	0.8 ± 0.1	1.0 ± 0.0	2.0 ± 0.1	2.3 ± 0.3
5	1.0 ± 0.1	1.2 ± 0.3	2.2 ± 0.2	49.9 ± 3.2	79.5 ± 1.7
6	1.0 ± 0.0	1.1 ± 0.0	1.1 ± 0.1	1.6 ± 0.1	3.6 ± 0.3
7	1.0 ± 0.1	2.1 ± 0.1	2.5 ± 0.1	4.8 ± 0.6	1.2 ± 0.4
8	1.0 ± 0.1	8.3 ± 0.2	9.3 ± 0.5	27.9 ± 0.8	3.6 ± 0.7
9	1.0 ± 0.1	0.9 ± 0.1	1.3 ± 0.3	1.2 ± 0.1	1.3 ± 0.1
10	1.0 ± 0.2	0.9 ± 0.1	1.4 ± 0.1	4.4 ± 0.6	7.5 ± 0.0
11	1.0 ± 0.0	1.1 ± 0.1	0.2 ± 0.0	1.6 ± 0.0	ND
12	1.0 ± 0.0	0.8 ± 0.0	0.9 ± 0.0	1.6 ± 0.3	1.9 ± 0.3
13	1.0 ± 0.0	1.3 ± 0.0	12.9 ± 0.6	3.2 ± 0.1	3.1 ± 0.0
14	1.0 ± 0.0	1.2 ± 0.1	1.1 ± 0.0	5.4 ± 0.1	12.4 ± 1.4
15	1.0 ± 0.1	1.3 ± 0.1	1.1 ± 0.1	1.6 ± 0.2	3.6 ± 0.2
16	1.0 ± 0.0	1.1 ± 0.0	1.2 ± 0.1	3.1 ± 0.4	13.6 ± 1.0
17	1.0 ± 0.1	0.9 ± 0.0	1.1 ± 0.0	2.0 ± 0.4	8.6 ± 0.4
18	1.0 ± 0.0	0.8 ± 0.0	0.2 ± 0.0	0.8 ± 0.0	ND
19	1.0 ± 0.1	1.4 ± 0.1	0.9 ± 0.0	37.6 ± 0.7	15.8 ± 0.6
20	1.0 ± 0.1	0.8 ± 0.1	3.4 ± 0.7	0.9 ± 0.0	1.4 ± 0.1
21	1.0 ± 0.1	0.9 ± 0.0	0.8 ± 0.1	0.3 ± 0.1	1.3 ± 0.1
22	1.0 ± 0.1	0.7 ± 0.0	0.7 ± 0.0	0.6 ± 0.0	0.6 ± 0.0
23	1.0 ± 0.0	1.4 ± 0.2	1.2 ± 0.2	1.1 ± 0.2	1.3 ± 0.1
24	1.1 ± 0.4	0.6 ± 0.0	0.8 ± 0.1	0.6 ± 0.0	0.1 ± 0.0
25	1.0 ± 0.1	1.4 ± 0.1	1.3 ± 0.2	1.6 ± 0.4	2.9 ± 0.2
26	1.0 ± 0.1	1.6 ± 0.0	1.7 ± 0.1	4.4 ± 0.1	16.1 ± 1.2
27	1.0 ± 0.1	2.4 ± 0.1	2.4 ± 0.0	2.6 ± 0.2	0.6 ± 0.1
28	1.0 ± 0.1	1.1 ± 0.0	1.0 ± 0.1	1.5 ± 0.1	17.4 ± 0.8
29	1.0 ± 0.1	0.8 ± 0.0	0.7 ± 0.0	0.7 ± 0.0	0.8 ± 0.0
30	1.0 ± 0.0	1.8 ± 0.1	1.3 ± 0.1	1.2 ± 0.1	1.1 ± 0.0

FIGURE 19

TABLE 11 (CONTINUED)

31	1.0 ± 0.1	1.2 ± 0.1	1.1 ± 0.1	1.2 ± 0.1	1.6 ± 0.3
32	1.0 ± 0.1	1.3 ± 0.1	1.2 ± 0.1	1.0 ± 0.0	1.2 ± 0.1
33	1.0 ± 0.2	1.3 ± 0.1	1.1 ± 0.1	0.9 ± 0.1	0.4 ± 0.1
34	1.0 ± 0.0	1.2 ± 0.1	0.8 ± 0.0	0.5 ± 0.1	0.7 ± 0.1
35	1.0 ± 0.1	2.7 ± 0.8	1.6 ± 0.1	1.5 ± 0.2	0.2 ± 0.0
36	1.0 ± 0.0	2.7 ± 0.1	2.4 ± 0.1	1.8 ± 0.5	0.3 ± 0.0
37	1.0 ± 0.0	1.1 ± 0.3	0.8 ± 0.0	0.7 ± 0.0	0.3 ± 0.1
38	1.0 ± 0.1	1.0 ± 0.0	0.8 ± 0.1	1.2 ± 0.2	0.9 ± 0.1
39	1.0 ± 0.0	1.7 ± 0.5	1.2 ± 0.1	1.8 ± 0.3	3.1 ± 0.3
40	1.0 ± 0.0	1.1 ± 0.0	1.2 ± 0.0	1.1 ± 0.1	1.1 ± 0.0
41	1.0 ± 0.0	1.0 ± 0.0	0.7 ± 0.1	0.3 ± 0.1	ND

FIGURE 19 (CONTINUED)

TABLE 12

Compound	HPTC 2, IL-8 Expression				
	0	1	10	100	1000
1	1.0 ± 0.0	1.1 ± 0.0	1.3 ± 0.0	1.4 ± 0.1	2.0 ± 0.1
2	1.0 ± 0.0	1.3 ± 0.1	1.2 ± 0.1	1.3 ± 0.1	1.5 ± 0.1
3	1.0 ± 0.1	1.9 ± 0.2	1.9 ± 0.0	1.8 ± 0.0	13.1 ± 3.0
4	1.0 ± 0.1	0.7 ± 0.1	0.9 ± 0.0	2.2 ± 0.1	3.6 ± 0.8
5	1.0 ± 0.0	1.4 ± 0.4	21.3 ± 4.7	89.1 ± 4.5	146.1 ± 3.1
6	1.0 ± 0.2	1.6 ± 0.1	1.6 ± 0.2	9.2 ± 0.2	3.3 ± 0.2
7	1.1 ± 0.3	1.9 ± 0.2	1.8 ± 0.2	3.8 ± 0.9	1.7 ± 0.2
8	1.0 ± 0.1	4.6 ± 0.2	5.0 ± 0.2	32.7 ± 0.9	3.9 ± 0.7
9	1.0 ± 0.1	1.2 ± 0.0	1.8 ± 0.4	1.4 ± 0.1	1.8 ± 0.2
10	1.1 ± 0.3	1.0 ± 0.2	1.3 ± 0.2	5.7 ± 0.8	13.2 ± 0.3
11	1.0 ± 0.1	1.2 ± 0.1	25.7 ± 3.8	2.3 ± 0.5	ND
12	1.0 ± 0.1	1.2 ± 0.1	1.3 ± 0.0	3.3 ± 0.7	22.5 ± 2.0
13	1.0 ± 0.1	1.9 ± 0.0	165.2 ± 14.7	3.1 ± 0.5	3.9 ± 0.1
14	1.0 ± 0.1	1.4 ± 0.1	1.4 ± 0.2	119.0 ± 5.4	11.3 ± 0.7
15	1.0 ± 0.1	1.5 ± 0.1	1.3 ± 0.1	1.7 ± 0.3	5.7 ± 0.2
16	1.0 ± 0.0	1.4 ± 0.1	1.3 ± 0.2	8.3 ± 0.5	2.2 ± 0.2
17	1.0 ± 0.1	1.2 ± 0.1	1.6 ± 0.2	4.1 ± 1.2	23.8 ± 2.9
18	1.0 ± 0.1	1.8 ± 0.0	2.7 ± 0.3	2.0 ± 0.1	ND
19	1.0 ± 0.1	0.9 ± 0.1	0.7 ± 0.0	29.3 ± 4.3	15.1 ± 0.3
20	1.0 ± 0.1	1.7 ± 0.2	6.5 ± 1.6	5.5 ± 0.7	67.4 ± 3.1
21	1.0 ± 0.1	1.6 ± 0.1	1.3 ± 0.1	4.9 ± 0.1	1.8 ± 0.2
22	1.0 ± 0.2	1.0 ± 0.0	0.9 ± 0.0	0.7 ± 0.0	0.5 ± 0.0
23	1.0 ± 0.1	1.8 ± 0.4	1.5 ± 0.4	1.5 ± 0.3	1.5 ± 0.2
24	1.1 ± 0.3	0.6 ± 0.0	0.9 ± 0.2	0.4 ± 0.0	0.4 ± 0.1
25	1.0 ± 0.1	1.4 ± 0.1	1.5 ± 0.1	1.5 ± 0.3	2.6 ± 0.1
26	1.0 ± 0.1	0.6 ± 0.0	0.4 ± 0.0	1.1 ± 0.2	4.3 ± 0.3
27	1.0 ± 0.0	2.6 ± 0.2	2.4 ± 0.0	2.3 ± 0.1	2.3 ± 0.1
28	1.0 ± 0.1	1.1 ± 0.1	1.0 ± 0.1	0.6 ± 0.1	20.5 ± 0.8
29	1.0 ± 0.1	0.9 ± 0.1	0.8 ± 0.0	0.8 ± 0.1	1.5 ± 0.1
30	1.0 ± 0.1	2.0 ± 0.1	1.4 ± 0.1	1.3 ± 0.0	1.2 ± 0.0

FIGURE 20

TABLE 12 (CONTINUED)

31	1.0 ± 0.1	0.9 ± 0.1	0.9 ± 0.1	0.9 ± 0.1	1.2 ± 0.2
32	1.0 ± 0.1	1.3 ± 0.1	1.3 ± 0.1	1.2 ± 0.0	1.4 ± 0.1
33	1.0 ± 0.1	1.6 ± 0.2	1.1 ± 0.1	1.0 ± 0.0	0.7 ± 0.1
34	1.0 ± 0.0	1.2 ± 0.1	0.9 ± 0.0	0.8 ± 0.0	1.4 ± 0.1
35	1.0 ± 0.1	1.1 ± 0.1	1.1 ± 0.1	1.3 ± 0.0	0.3 ± 0.0
36	1.0 ± 0.0	2.8 ± 0.0	2.9 ± 0.0	2.4 ± 0.7	0.5 ± 0.0
37	1.0 ± 0.1	1.2 ± 0.1	1.0 ± 0.0	0.7 ± 0.0	1.4 ± 0.2
38	1.0 ± 0.1	1.2 ± 0.0	1.1 ± 0.2	3.1 ± 0.2	2.1 ± 0.1
39	1.0 ± 0.1	1.6 ± 0.2	1.3 ± 0.0	2.0 ± 0.3	24.0 ± 3.4
40	1.0 ± 0.0	1.1 ± 0.0	1.3 ± 0.0	1.2 ± 0.0	1.2 ± 0.0
41	1.0 ± 0.0	1.6 ± 0.1	1.1 ± 0.2	0.9 ± 0.4	ND

FIGURE 20 (CONTINUED)

TABLE 13

Compound	HPTC 3, IL-6 Expression				
	0	1	10	100	1000
1	1.0 ± 0.2	1.6 ± 0.1	0.9 ± 0.1	0.8 ± 0.1	0.9 ± 0.1
2	1.0 ± 0.1	1.4 ± 0.1	1.1 ± 0.2	1.1 ± 0.0	1.2 ± 0.0
3	1.0 ± 0.1	5.3 ± 0.4	2.9 ± 0.8	1.4 ± 0.3	ND
4	1.0 ± 0.1	1.5 ± 0.2	1.4 ± 0.1	23.6 ± 2.8	3.5 ± 0.1
5	1.0 ± 0.0	0.7 ± 0.1	9.3 ± 0.7	59.2 ± 2.6	80.4 ± 2.7
6	1.0 ± 0.1	1.1 ± 0.0	1.2 ± 0.0	1.4 ± 0.1	0.2 ± 0.0
7	1.1 ± 0.4	7.5 ± 1.0	5.9 ± 0.2	12.0 ± 1.8	0.5 ± 0.1
8	1.0 ± 0.2	11.3 ± 0.7	12.1 ± 0.4	11.9 ± 0.9	5.2 ± 0.5
9	1.0 ± 0.0	1.3 ± 0.1	1.1 ± 0.1	1.1 ± 0.0	2.9 ± 0.3
10	1.0 ± 0.1	1.1 ± 0.1	1.4 ± 0.0	4.4 ± 0.1	11.8 ± 0.5
11	1.0 ± 0.0	0.9 ± 0.0	0.2 ± 0.1	31.4 ± 12.8	ND
12	1.0 ± 0.1	1.5 ± 0.1	1.3 ± 0.0	1.3 ± 0.1	4.0 ± 0.1
13	1.1 ± 0.4	2.7 ± 0.2	10.8 ± 1.2	3.5 ± 0.1	6.0 ± 0.4
14	1.0 ± 0.2	0.4 ± 0.1	0.5 ± 0.0	0.3 ± 0.0	0.9 ± 0.2
15	1.0 ± 0.0	1.3 ± 0.1	1.1 ± 0.1	1.5 ± 0.0	2.2 ± 0.2
16	1.0 ± 0.0	1.2 ± 0.1	1.1 ± 0.0	0.9 ± 0.1	5.8 ± 2.5
17	1.0 ± 0.0	1.2 ± 0.1	1.3 ± 0.2	1.1 ± 0.2	2.3 ± 0.2
18	1.0 ± 0.1	0.6 ± 0.2	0.3 ± 0.1	0.5 ± 0.0	0.4 ± 0.0
19	1.0 ± 0.0	0.9 ± 0.0	1.0 ± 0.0	38.1 ± 1.2	8.3 ± 0.3
20	1.0 ± 0.0	0.9 ± 0.1	0.9 ± 0.1	1.3 ± 0.1	ND
21	1.0 ± 0.0	0.8 ± 0.0	0.8 ± 0.0	1.2 ± 0.3	2.3 ± 0.3
22	1.0 ± 0.2	0.9 ± 0.0	1.1 ± 0.1	1.0 ± 0.1	0.8 ± 0.0
23	1.2 ± 0.6	1.0 ± 0.4	0.9 ± 0.0	0.7 ± 0.1	0.6 ± 0.1
24	1.6 ± 1.1	3.9 ± 0.5	3.1 ± 0.1	6.2 ± 1.0	0.6 ± 0.4
25	1.0 ± 0.1	0.6 ± 0.1	0.8 ± 0.1	0.6 ± 0.1	0.2 ± 0.0
26	1.1 ± 0.3	1.4 ± 0.6	0.5 ± 0.2	0.9 ± 0.2	2.9 ± 0.1
27	1.1 ± 0.3	9.0 ± 0.6	8.4 ± 0.3	8.1 ± 0.2	0.6 ± 0.2
28	1.0 ± 0.1	1.1 ± 0.2	0.9 ± 0.1	0.6 ± 0.1	0.2 ± 0.0
29	1.0 ± 0.1	0.9 ± 0.2	0.9 ± 0.1	0.7 ± 0.1	0.9 ± 0.2
30	1.0 ± 0.2	0.9 ± 0.1	0.9 ± 0.1	0.9 ± 0.1	1.0 ± 0.2

FIGURE 21

TABLE 13 (CONTINUED)

31	1.0 ± 0.0	1.2 ± 0.2	1.1 ± 0.0	1.4 ± 0.2	1.4 ± 0.2
32	1.1 ± 0.3	1.0 ± 0.2	0.4 ± 0.0	0.4 ± 0.1	0.5 ± 0.1
33	1.1 ± 0.4	1.1 ± 0.2	0.4 ± 0.0	ND	2.9 ± 0.1
34	1.0 ± 0.2	1.2 ± 0.3	0.4 ± 0.0	0.5 ± 0.2	0.7 ± 0.3
35	1.0 ± 0.0	1.0 ± 0.1	0.9 ± 0.1	0.8 ± 0.0	0.9 ± 0.1
36	1.0 ± 0.2	1.4 ± 0.2	1.0 ± 0.1	1.1 ± 0.1	0.9 ± 0.2
37	1.0 ± 0.0	0.9 ± 0.1	0.8 ± 0.0	0.8 ± 0.0	0.1 ± 0.0
38	1.1 ± 0.3	0.6 ± 0.1	0.3 ± 0.0	0.3 ± 0.0	0.2 ± 0.0
39	1.0 ± 0.1	1.2 ± 0.1	1.2 ± 0.1	2.8 ± 0.4	3.4 ± 0.3
40	1.0 ± 0.0	1.3 ± 0.1	1.0 ± 0.1	1.0 ± 0.1	1.0 ± 0.1
41	1.0 ± 0.1	0.7 ± 0.0	0.5 ± 0.1	20.6 ± 1.9	128.5 ± 21.1

FIGURE 21 (CONTINUED)

TABLE 14

Compound	HPTC 3, IL-8 Expression				
	0	1	10	100	1000
1	1.0 ± 0.2	1.9 ± 0.3	0.8 ± 0.1	0.8 ± 0.0	1.2 ± 0.1
2	1.0 ± 0.0	2.0 ± 0.1	1.3 ± 0.2	1.3 ± 0.0	1.8 ± 0.2
3	1.2 ± 0.5	3.2 ± 0.6	3.0 ± 0.4	7.3 ± 2.7	ND
4	1.0 ± 0.1	1.6 ± 0.4	1.3 ± 0.1	35.5 ± 4.4	8.2 ± 0.9
5	1.0 ± 0.1	0.9 ± 0.0	18.9 ± 0.4	29.1 ± 3.6	46.4 ± 1.2
6	1.0 ± 0.2	1.1 ± 0.0	1.1 ± 0.1	2.4 ± 0.6	0.1 ± 0.0
7	1.0 ± 0.2	2.2 ± 0.2	2.6 ± 0.1	5.4 ± 0.4	4.4 ± 0.5
8	1.1 ± 0.3	17.2 ± 2.6	21.9 ± 0.8	18.8 ± 0.5	3.2 ± 0.5
9	1.0 ± 0.0	1.5 ± 0.1	1.3 ± 0.1	1.1 ± 0.0	2.6 ± 0.2
10	1.0 ± 0.1	0.8 ± 0.1	1.0 ± 0.0	3.3 ± 0.1	9.7 ± 0.2
11	1.0 ± 0.0	0.7 ± 0.0	5.3 ± 0.3	22.8 ± 4.0	ND
12	1.0 ± 0.1	1.4 ± 0.2	1.2 ± 0.1	1.5 ± 0.3	9.6 ± 1.8
13	1.1 ± 0.4	2.2 ± 0.3	13.3 ± 1.4	2.4 ± 0.1	1.5 ± 0.1
14	1.1 ± 0.3	0.6 ± 0.1	1.5 ± 0.2	9.9 ± 1.1	2.6 ± 0.2
15	1.0 ± 0.0	1.3 ± 0.1	1.1 ± 0.0	1.5 ± 0.2	3.4 ± 0.5
16	1.0 ± 0.0	1.1 ± 0.1	1.3 ± 0.0	3.5 ± 1.0	1.0 ± 0.2
17	1.0 ± 0.1	1.3 ± 0.2	1.3 ± 0.2	1.1 ± 0.2	2.8 ± 0.4
18	1.0 ± 0.0	1.6 ± 0.3	2.2 ± 0.3	2.2 ± 0.4	10.1 ± 0.9
19	1.0 ± 0.0	1.1 ± 0.0	1.2 ± 0.0	25.0 ± 0.8	9.5 ± 0.3
20	1.0 ± 0.1	1.2 ± 0.1	1.2 ± 0.1	17.8 ± 1.6	ND
21	1.0 ± 0.0	1.2 ± 0.0	1.1 ± 0.1	1.5 ± 0.1	1.3 ± 0.0
22	1.1 ± 0.3	1.4 ± 0.1	1.7 ± 0.1	2.0 ± 0.2	1.0 ± 0.2
23	1.3 ± 0.6	0.8 ± 0.2	0.7 ± 0.0	0.6 ± 0.1	0.5 ± 0.0
24	1.2 ± 0.5	1.4 ± 0.1	1.8 ± 0.1	3.6 ± 0.3	2.3 ± 0.7
25	1.0 ± 0.1	0.9 ± 0.0	0.9 ± 0.0	0.6 ± 0.0	0.2 ± 0.0
26	1.0 ± 0.1	0.7 ± 0.3	0.8 ± 0.1	1.5 ± 0.3	0.3 ± 0.1
27	1.0 ± 0.2	8.2 ± 0.7	7.5 ± 0.3	5.8 ± 0.1	3.8 ± 0.6
28	1.0 ± 0.1	1.3 ± 0.3	0.9 ± 0.1	0.8 ± 0.0	0.5 ± 0.0
29	1.0 ± 0.1	1.1 ± 0.2	1.0 ± 0.0	0.8 ± 0.0	1.2 ± 0.0
30	1.0 ± 0.1	1.2 ± 0.3	0.8 ± 0.2	0.9 ± 0.2	1.1 ± 0.1

FIGURE 22

TABLE 14 (CONTINUED)

31	1.0 ± 0.1	1.2 ± 0.2	1.1 ± 0.1	1.3 ± 0.2	1.0 ± 0.1
32	1.0 ± 0.1	1.1 ± 0.2	0.8 ± 0.1	0.8 ± 0.0	0.8 ± 0.1
33	1.0 ± 0.1	0.8 ± 0.1	0.5 ± 0.1	ND	3.2 ± 0.3
34	1.0 ± 0.1	1.0 ± 0.1	0.6 ± 0.1	0.8 ± 0.2	1.7 ± 0.4
35	1.0 ± 0.0	1.0 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	1.2 ± 0.1
36	1.0 ± 0.1	1.7 ± 0.3	1.0 ± 0.2	1.0 ± 0.0	1.1 ± 0.1
37	1.0 ± 0.0	1.3 ± 0.1	1.2 ± 0.1	0.9 ± 0.0	1.3 ± 0.0
38	1.0 ± 0.2	1.0 ± 0.3	0.9 ± 0.0	1.2 ± 0.0	1.3 ± 0.2
39	1.0 ± 0.1	0.4 ± 0.0	0.4 ± 0.0	1.2 ± 0.3	5.1 ± 0.3
40	1.0 ± 0.1	1.2 ± 0.1	1.1 ± 0.1	1.3 ± 0.1	1.3 ± 0.1
41	1.0 ± 0.2	0.4 ± 0.0	0.4 ± 0.1	27.7 ± 0.8	38.2 ± 7.1

FIGURE 22 (CONTINUED)

TABLE 15

Compound	HK-2, IL-6 Expression				
	0	1	10	100	1000
1	1.0 ± 0.0	1.2 ± 0.1	1.1 ± 0.2	1.0 ± 0.1	0.9 ± 0.1
2	1.0 ± 0.0	1.4 ± 0.2	0.9 ± 0.0	0.9 ± 0.2	1.0 ± 0.0
3	1.0 ± 0.1	8.3 ± 0.2	7.6 ± 0.3	6.1 ± 0.1	12.8 ± 1.7
4	1.0 ± 0.1	1.4 ± 0.3	0.9 ± 0.0	8.6 ± 1.3	4.0 ± 0.7
5	1.0 ± 0.2	0.7 ± 0.2	3.6 ± 0.2	25.2 ± 2.7	120.5 ± 26.1
6	1.0 ± 0.1	1.3 ± 0.1	1.0 ± 0.1	1.0 ± 0.0	2.6 ± 0.3
7	1.0 ± 0.2	3.6 ± 0.8	2.2 ± 0.2	2.8 ± 0.0	1.5 ± 0.0
8	1.0 ± 0.2	1.7 ± 0.1	1.1 ± 0.1	0.2 ± 0.1	ND
9	1.0 ± 0.2	1.2 ± 0.1	0.7 ± 0.2	0.5 ± 0.2	0.8 ± 0.0
10	1.0 ± 0.0	1.1 ± 0.1	1.0 ± 0.0	1.2 ± 0.1	0.8 ± 0.1
11	1.0 ± 0.1	0.3 ± 0.0	1.6 ± 1.0	4.0 ± 1.4	5.9 ± 0.5
12	1.1 ± 0.3	0.7 ± 0.1	0.5 ± 0.0	0.8 ± 0.4	1.3 ± 0.0
13	1.0 ± 0.1	1.5 ± 0.0	2.3 ± 0.0	2.8 ± 0.8	2.6 ± 0.0
14	1.0 ± 0.1	1.0 ± 0.1	0.9 ± 0.0	0.5 ± 0.0	16.1 ± 1.1
15	1.0 ± 0.2	0.7 ± 0.1	0.7 ± 0.1	0.6 ± 0.0	0.3 ± 0.0
16	1.0 ± 0.1	1.6 ± 0.3	1.1 ± 0.2	1.1 ± 0.1	3.5 ± 0.5
17	1.0 ± 0.2	1.4 ± 0.2	0.9 ± 0.1	1.5 ± 0.2	2.0 ± 0.4
18	1.0 ± 0.1	0.1 ± 0.0	0.1 ± 0.0	0.6 ± 0.0	ND
19	1.0 ± 0.1	4.0 ± 0.3	5.1 ± 0.2	7.8 ± 0.4	5.8 ± 1.6
20	1.0 ± 0.1	0.8 ± 0.1	0.6 ± 0.1	1.1 ± 0.1	1.2 ± 0.1
21	1.0 ± 0.1	1.5 ± 0.0	1.4 ± 0.0	1.3 ± 0.0	14.7 ± 1.5
22	1.0 ± 0.1	2.0 ± 0.3	1.8 ± 0.1	2.0 ± 0.1	1.1 ± 0.0
23	1.0 ± 0.1	0.8 ± 0.0	0.6 ± 0.0	0.4 ± 0.0	0.7 ± 0.1
24	1.4 ± 0.8	0.7 ± 0.1	0.5 ± 0.0	0.2 ± 0.0	0.4 ± 0.1
25	1.1 ± 0.3	1.2 ± 0.2	0.6 ± 0.1	0.7 ± 0.1	0.6 ± 0.1
26	1.0 ± 0.1	0.9 ± 0.5	0.3 ± 0.1	0.3 ± 0.0	ND
27	1.1 ± 0.5	1.0 ± 0.1	0.7 ± 0.1	0.5 ± 0.0	0.2 ± 0.0
28	1.0 ± 0.1	1.6 ± 0.0	1.1 ± 0.0	0.9 ± 0.1	0.4 ± 0.0
29	1.0 ± 0.1	0.3 ± 0.0	1.5 ± 0.6	0.1 ± 0.0	0.1 ± 0.0
30	1.0 ± 0.2	1.3 ± 0.1	1.0 ± 0.2	1.0 ± 0.1	0.9 ± 0.0

FIGURE 23

TABLE 15 (CONTINUED)

31	1.1 ± 0.3	1.4 ± 0.0	0.7 ± 0.0	0.6 ± 0.0	0.8 ± 0.0
32	1.0 ± 0.1	0.8 ± 0.1	0.7 ± 0.0	0.9 ± 0.2	0.8 ± 0.0
33	1.1 ± 0.3	1.1 ± 0.1	0.8 ± 0.0	0.9 ± 0.1	ND
34	1.0 ± 0.1	1.3 ± 0.1	0.8 ± 0.1	0.6 ± 0.1	0.7 ± 0.0
35	1.0 ± 0.1	1.3 ± 0.1	1.1 ± 0.0	0.8 ± 0.3	1.3 ± 0.0
36	1.0 ± 0.2	1.0 ± 0.1	0.7 ± 0.1	0.6 ± 0.1	0.5 ± 0.0
37	1.1 ± 0.4	0.5 ± 0.1	0.3 ± 0.0	0.2 ± 0.0	0.8 ± 0.0
38	1.0 ± 0.1	1.5 ± 0.3	0.7 ± 0.2	0.6 ± 0.0	0.2 ± 0.0
39	1.0 ± 0.1	0.9 ± 0.1	0.5 ± 0.0	0.4 ± 0.1	2.4 ± 0.6
40	1.0 ± 0.1	1.2 ± 0.1	0.9 ± 0.1	0.9 ± 0.1	0.8 ± 0.1
41	1.0 ± 0.1	2.2 ± 0.1	0.9 ± 0.0	0.7 ± 0.0	35.0 ± 4.3

FIGURE 23 (CONTINUED)

TABLE 16

Compound	HK-2, IL-8 Expression				
	0	1	10	100	1000
1	1.0 ± 0.0	1.1 ± 0.1	1.0 ± 0.1	1.0 ± 0.1	1.3 ± 0.5
2	1.0 ± 0.0	1.1 ± 0.1	0.8 ± 0.1	0.8 ± 0.1	0.7 ± 0.0
3	1.0 ± 0.1	5.1 ± 0.2	4.3 ± 0.1	3.5 ± 0.1	4.1 ± 0.2
4	1.0 ± 0.0	1.6 ± 0.6	1.0 ± 0.1	13.9 ± 2.6	18.8 ± 5.3
5	1.0 ± 0.0	1.3 ± 0.4	5.0 ± 1.1	13.5 ± 1.8	30.5 ± 2.7
6	1.0 ± 0.1	1.2 ± 0.2	1.0 ± 0.1	1.0 ± 0.1	1.9 ± 0.3
7	1.0 ± 0.1	9.0 ± 0.7	8.6 ± 0.5	14.3 ± 1.2	0.9 ± 0.0
8	1.0 ± 0.2	2.5 ± 0.1	2.2 ± 0.1	1.6 ± 0.1	ND
9	1.0 ± 0.2	1.7 ± 0.1	0.8 ± 0.0	0.6 ± 0.1	0.7 ± 0.0
10	1.0 ± 0.1	1.2 ± 0.1	0.9 ± 0.0	0.9 ± 0.1	1.4 ± 0.5
11	1.0 ± 0.1	0.2 ± 0.0	2.0 ± 1.0	1.3 ± 0.5	1.0 ± 0.1
12	1.0 ± 0.2	1.3 ± 0.1	1.2 ± 0.1	1.2 ± 0.1	3.0 ± 0.0
13	1.0 ± 0.1	0.9 ± 0.1	3.7 ± 0.7	2.3 ± 0.4	2.5 ± 0.0
14	1.0 ± 0.1	1.0 ± 0.0	0.8 ± 0.1	0.2 ± 0.0	1.2 ± 0.1
15	1.0 ± 0.1	1.5 ± 0.2	1.5 ± 0.2	1.5 ± 0.1	1.1 ± 0.2
16	1.0 ± 0.0	1.9 ± 0.4	1.5 ± 0.3	1.1 ± 0.2	0.4 ± 0.0
17	1.0 ± 0.1	1.4 ± 0.1	1.2 ± 0.2	2.1 ± 0.1	2.1 ± 0.4
18	1.0 ± 0.0	0.5 ± 0.1	0.6 ± 0.1	0.4 ± 0.0	ND
19	1.0 ± 0.0	2.8 ± 0.1	2.1 ± 0.2	2.6 ± 0.3	2.5 ± 0.5
20	1.0 ± 0.2	0.6 ± 0.1	0.5 ± 0.0	1.3 ± 0.2	1.6 ± 0.3
21	1.0 ± 0.0	1.1 ± 0.0	1.1 ± 0.0	0.8 ± 0.1	1.7 ± 0.0
22	1.0 ± 0.0	3.9 ± 0.5	3.8 ± 0.4	3.1 ± 0.5	1.2 ± 0.2
23	1.0 ± 0.1	1.2 ± 0.2	0.8 ± 0.1	0.7 ± 0.1	0.7 ± 0.1
24	1.1 ± 0.3	4.7 ± 0.6	3.6 ± 0.8	2.2 ± 0.0	0.5 ± 0.3
25	1.0 ± 0.1	1.2 ± 0.1	1.2 ± 0.1	1.1 ± 0.1	1.1 ± 0.1
26	1.0 ± 0.0	0.5 ± 0.2	0.3 ± 0.0	0.4 ± 0.1	ND
27	1.0 ± 0.2	8.3 ± 0.7	5.4 ± 0.2	3.2 ± 0.2	2.4 ± 1.0
28	1.0 ± 0.0	1.4 ± 0.1	1.3 ± 0.1	1.4 ± 0.1	0.8 ± 0.1
29	1.0 ± 0.0	0.3 ± 0.1	0.1 ± 0.0	0.4 ± 0.1	0.5 ± 0.0
30	1.0 ± 0.2	1.6 ± 0.1	1.2 ± 0.2	1.1 ± 0.1	1.3 ± 0.0

FIGURE 24

TABLE 16 (CONTINUED)

31	1.0 ± 0.1	1.7 ± 0.3	1.1 ± 0.1	1.0 ± 0.1	1.0 ± 0.0
32	1.0 ± 0.1	1.1 ± 0.1	1.0 ± 0.1	1.1 ± 0.2	1.1 ± 0.0
33	1.0 ± 0.2	0.9 ± 0.1	1.0 ± 0.1	1.2 ± 0.1	ND
34	1.0 ± 0.0	1.2 ± 0.1	1.3 ± 0.1	0.8 ± 0.0	0.5 ± 0.0
35	1.0 ± 0.1	1.4 ± 0.1	0.9 ± 0.1	0.9 ± 0.0	1.5 ± 0.0
36	1.0 ± 0.0	0.8 ± 0.1	0.6 ± 0.1	0.5 ± 0.0	0.4 ± 0.0
37	1.0 ± 0.1	0.3 ± 0.0	0.3 ± 0.0	0.2 ± 0.0	0.3 ± 0.0
38	1.0 ± 0.1	1.1 ± 0.0	0.8 ± 0.1	0.7 ± 0.0	1.2 ± 0.1
39	1.0 ± 0.0	0.4 ± 0.0	0.4 ± 0.0	0.4 ± 0.0	10.2 ± 3.5
40	1.0 ± 0.0	1.0 ± 0.0	0.9 ± 0.0	0.9 ± 0.1	0.9 ± 0.1
41	1.0 ± 0.0	4.3 ± 0.4	1.7 ± 0.1	2.1 ± 0.1	82.4 ± 8.2

FIGURE 24 (CONTINUED)

TABLE 17

Compound	LLC-PK1, IL-6 Expression				
	0	1	10	100	1000
1	1.0 ± 0.1	0.7 ± 0.2	2.3 ± 0.8	5.2 ± 1.0	1.8 ± 0.5
2	1.0 ± 0.1	0.9 ± 0.1	0.9 ± 0.0	1.0 ± 0.0	1.2 ± 0.0
3	1.0 ± 0.1	1.4 ± 0.2	0.7 ± 0.1	0.5 ± 0.0	0.3 ± 0.1
4	1.0 ± 0.1	1.1 ± 0.1	1.9 ± 0.7	1.0 ± 0.0	4.8 ± 0.3
5	1.0 ± 0.1	1.2 ± 0.2	15.1 ± 2.7	313.7 ± 31.4	180.5 ± 16.1
6	1.0 ± 0.2	0.6 ± 0.1	0.5 ± 0.0	0.9 ± 0.0	1.1 ± 0.0
7	1.0 ± 0.1	1.6 ± 0.0	1.8 ± 0.1	1.8 ± 0.1	1.4 ± 0.0
8	1.0 ± 0.0	1.4 ± 0.1	1.7 ± 0.1	1.1 ± 0.1	ND
9	1.1 ± 0.3	1.0 ± 0.1	0.8 ± 0.1	0.8 ± 0.0	0.9 ± 0.0
10	1.0 ± 0.0	1.1 ± 0.2	2.8 ± 0.3	6.3 ± 0.3	4.7 ± 0.5
11	1.0 ± 0.2	0.3 ± 0.0	0.5 ± 0.0	0.9 ± 0.1	ND
12	1.0 ± 0.1	0.9 ± 0.0	1.1 ± 0.1	1.3 ± 0.1	1.8 ± 0.1
13	1.0 ± 0.1	2.2 ± 0.1	12.9 ± 7.2	ND	ND
14	1.0 ± 0.1	1.1 ± 0.0	1.1 ± 0.1	3.3 ± 0.5	3.7 ± 0.2
15	1.0 ± 0.0	0.8 ± 0.0	0.9 ± 0.0	1.0 ± 0.0	2.4 ± 0.0
16	1.0 ± 0.1	1.3 ± 0.0	1.1 ± 0.1	1.2 ± 0.1	2.8 ± 0.0
17	1.0 ± 0.0	0.9 ± 0.0	1.3 ± 0.0	1.4 ± 0.0	2.5 ± 0.2
18	1.0 ± 0.1	0.9 ± 0.0	0.5 ± 0.0	0.9 ± 0.0	0.7 ± 0.1
19	1.0 ± 0.1	1.5 ± 0.1	1.5 ± 0.0	7.4 ± 1.0	1.4 ± 0.3
20	1.1 ± 0.3	0.7 ± 0.1	1.1 ± 0.3	2.2 ± 0.2	2.4 ± 0.6
21	1.0 ± 0.0	0.9 ± 0.1	1.0 ± 0.1	0.9 ± 0.0	1.7 ± 0.5
22	1.0 ± 0.0	1.5 ± 0.1	1.5 ± 0.1	1.4 ± 0.0	1.4 ± 0.0
23	1.0 ± 0.1	0.9 ± 0.1	0.7 ± 0.0	0.8 ± 0.1	0.9 ± 0.1
24	1.0 ± 0.2	1.3 ± 0.1	0.8 ± 0.0	0.7 ± 0.0	0.8 ± 0.1
25	1.0 ± 0.1	0.9 ± 0.1	1.3 ± 0.1	2.3 ± 0.4	1.7 ± 0.4
26	1.0 ± 0.2	0.3 ± 0.0	0.3 ± 0.0	0.4 ± 0.1	2.1 ± 0.5
27	1.0 ± 0.2	1.8 ± 0.1	1.9 ± 0.2	2.6 ± 0.1	1.6 ± 0.2
28	1.0 ± 0.1	0.8 ± 0.0	1.0 ± 0.0	0.9 ± 0.0	1.0 ± 0.0
29	1.0 ± 0.1	0.6 ± 0.1	0.5 ± 0.1	0.3 ± 0.1	0.9 ± 0.2
30	1.0 ± 0.2	1.1 ± 0.1	0.8 ± 0.1	0.8 ± 0.0	1.0 ± 0.1

FIGURE 25

TABLE 17 (CONTINUED)

31	1.0 ± 0.0	1.1 ± 0.1	1.2 ± 0.1	1.4 ± 0.2	1.6 ± 0.3
32	1.0 ± 0.1	1.6 ± 0.1	1.6 ± 0.1	1.1 ± 0.2	0.9 ± 0.1
33	1.0 ± 0.2	0.9 ± 0.0	0.9 ± 0.1	1.1 ± 0.2	8.2 ± 2.6
34	1.0 ± 0.2	0.7 ± 0.0	0.5 ± 0.0	0.6 ± 0.1	1.8 ± 0.0
35	1.0 ± 0.0	0.7 ± 0.0	0.7 ± 0.0	0.7 ± 0.0	0.9 ± 0.1
36	1.0 ± 0.0	0.7 ± 0.0	0.7 ± 0.0	0.7 ± 0.1	0.8 ± 0.0
37	1.3 ± 0.7	0.5 ± 0.1	2.4 ± 0.3	1.1 ± 0.7	1.1 ± 0.5
38	1.0 ± 0.0	0.7 ± 0.0	0.7 ± 0.1	0.8 ± 0.0	0.7 ± 0.0
39	1.0 ± 0.0	0.6 ± 0.1	0.5 ± 0.0	0.7 ± 0.1	7.7 ± 0.6
40	1.0 ± 0.1	1.0 ± 0.0	1.1 ± 0.0	1.1 ± 0.0	1.1 ± 0.0
41	1.0 ± 0.2	0.9 ± 0.0	0.8 ± 0.0	0.4 ± 0.0	0.5 ± 0.1

FIGURE 25 (CONTINUED)

TABLE 18

Compound	LLC-PK1, IL-8 Expression				
	0	1	10	100	1000
1	1.0 ± 0.1	1.3 ± 0.1	1.1 ± 0.3	2.7 ± 0.1	2.1 ± 0.5
2	1.0 ± 0.0	1.0 ± 0.0	1.3 ± 0.1	1.8 ± 0.2	2.3 ± 0.2
3	1.0 ± 0.1	7.8 ± 1.5	3.9 ± 0.4	2.1 ± 0.0	8.4 ± 0.1
4	1.0 ± 0.1	0.9 ± 0.1	1.2 ± 0.4	1.0 ± 0.0	8.9 ± 0.3
5	1.0 ± 0.0	0.9 ± 0.1	23.1 ± 3.9	413.7 ± 28.8	839.4 ± 305.9
6	1.0 ± 0.1	0.7 ± 0.1	0.6 ± 0.0	1.6 ± 0.2	0.8 ± 0.0
7	1.0 ± 0.1	10.1 ± 0.7	8.1 ± 0.7	9.1 ± 0.4	1.8 ± 0.0
8	1.0 ± 0.1	1.0 ± 0.4	0.7 ± 0.3	1.2 ± 0.4	ND
9	1.0 ± 0.2	1.7 ± 0.0	1.5 ± 0.2	1.5 ± 0.1	1.2 ± 0.1
10	1.0 ± 0.1	0.5 ± 0.1	1.5 ± 0.1	20.3 ± 2.0	15.8 ± 2.1
11	1.1 ± 0.3	0.8 ± 0.4	6.9 ± 0.3	0.4 ± 0.0	ND
12	1.0 ± 0.1	0.7 ± 0.0	0.9 ± 0.0	1.7 ± 0.1	4.3 ± 0.9
13	1.0 ± 0.1	2.1 ± 0.1	12.2 ± 4.3	ND	ND
14	1.0 ± 0.0	1.2 ± 0.1	1.8 ± 0.3	37.0 ± 4.4	1.6 ± 0.1
15	1.0 ± 0.1	0.7 ± 0.1	1.0 ± 0.1	1.3 ± 0.1	2.5 ± 0.1
16	1.0 ± 0.0	0.9 ± 0.1	1.2 ± 0.2	1.6 ± 0.3	0.7 ± 0.0
17	1.0 ± 0.1	1.0 ± 0.1	1.6 ± 0.0	2.0 ± 0.2	16.3 ± 4.3
18	1.0 ± 0.1	0.5 ± 0.0	0.4 ± 0.0	1.4 ± 0.2	0.4 ± 0.0
19	1.0 ± 0.2	5.9 ± 0.4	7.1 ± 0.5	301.3 ± 27.5	47.9 ± 6.0
20	1.0 ± 0.1	1.2 ± 0.3	0.7 ± 0.2	3.9 ± 0.1	4.9 ± 1.2
21	1.0 ± 0.1	2.2 ± 0.2	1.8 ± 0.1	1.2 ± 0.2	2.6 ± 0.3
22	1.0 ± 0.1	4.0 ± 0.3	2.2 ± 0.1	2.4 ± 0.2	1.5 ± 0.1
23	1.0 ± 0.1	1.2 ± 0.1	0.4 ± 0.0	0.6 ± 0.1	0.7 ± 0.1
24	1.1 ± 0.3	16.1 ± 0.4	8.4 ± 0.7	7.1 ± 1.3	1.4 ± 0.1
25	1.0 ± 0.0	0.9 ± 0.1	1.1 ± 0.0	1.8 ± 0.3	0.5 ± 0.1
26	1.0 ± 0.1	0.7 ± 0.1	0.5 ± 0.1	0.9 ± 0.0	2.9 ± 1.0
27	1.0 ± 0.2	7.6 ± 1.1	5.7 ± 0.7	13.7 ± 1.2	0.4 ± 0.0
28	1.0 ± 0.1	0.6 ± 0.1	0.9 ± 0.1	0.9 ± 0.1	1.0 ± 0.1
29	1.1 ± 0.2	0.9 ± 0.2	0.8 ± 0.1	0.6 ± 0.1	1.2 ± 0.1
30	1.0 ± 0.0	2.6 ± 0.1	1.8 ± 0.6	1.6 ± 0.3	1.5 ± 0.0

FIGURE 26

TABLE 18 (CONTINUED)

31	1.0 ± 0.1	0.8 ± 0.0	1.0 ± 0.0	1.3 ± 0.1	1.3 ± 0.0
32	1.0 ± 0.0	2.1 ± 0.1	1.3 ± 0.1	1.1 ± 0.2	0.7 ± 0.0
33	1.0 ± 0.2	0.9 ± 0.0	0.8 ± 0.1	0.8 ± 0.0	9.1 ± 0.6
34	1.0 ± 0.1	0.8 ± 0.0	0.7 ± 0.1	0.7 ± 0.0	0.5 ± 0.0
35	1.0 ± 0.1	0.7 ± 0.1	0.7 ± 0.1	0.7 ± 0.0	1.0 ± 0.0
36	1.0 ± 0.1	0.6 ± 0.0	0.6 ± 0.1	0.7 ± 0.1	0.6 ± 0.0
37	1.2 ± 0.5	0.7 ± 0.1	2.6 ± 0.2	1.3 ± 0.7	0.9 ± 0.3
38	1.0 ± 0.0	0.9 ± 0.1	1.0 ± 0.2	0.8 ± 0.1	1.1 ± 0.0
39	1.0 ± 0.0	0.8 ± 0.0	0.7 ± 0.0	0.7 ± 0.1	164.4 ± 4.0
40	1.0 ± 0.1	1.0 ± 0.1	1.0 ± 0.0	1.0 ± 0.0	1.1 ± 0.0
41	1.1 ± 0.2	2.4 ± 0.3	1.8 ± 0.1	2.0 ± 0.1	11.0 ± 1.0

FIGURE 26 (CONTINUED)

TABLE 19

Marker	Primer Pairs	Amplicon (bp)
VIM	F 5'-ACCTGAGGGAACTAATCTG-3' R 5'-CGTTGATAACCTGTCCATCT-3'	105
KIM-1	F 5'-CAGGCTGATCCCATAATGCA-3' R 5'-CTGCCTCTCCACCAACCTTTAC-3'	100
NGAL	F 5'-CAAGGAGCTGACTTCGGAATAA-3' R 5'-TGCACTCAGCCGTCGATACA-3'	120
IL-6	F 5'-TGGCTGCAGGACATGACAAC-3' R 5'-TGAGGTGCCCATGCTACATTT-3'	100
IL-8	F 5'-TTGGCAGCCTTCCTGATTCT-3' R 5'-GGGTGGAAAGGTTTGGAGTATG-3'	110
IL-18	F 5'-GAACCAGTAGAAGACAATTGCATCA-3' R 5'-CCAGGTTTTCATCATCTTCAGCTA-3'	91
GAPDH	F 5'-CCCCTTCATTGACCTCAACTACA-3' R 5'-GACGGTGCCATGGAATTTG-3'	76

FIGURE 27

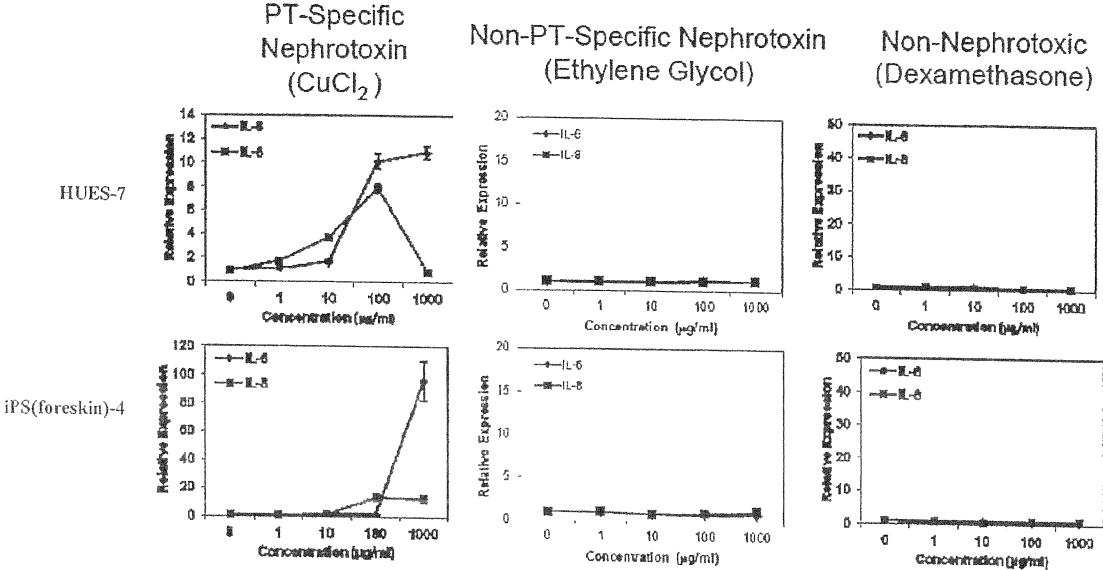


FIGURE 28

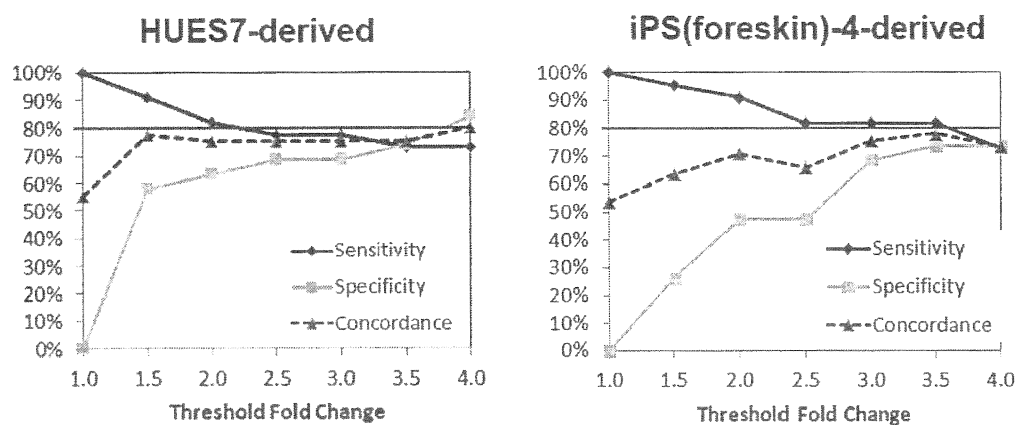
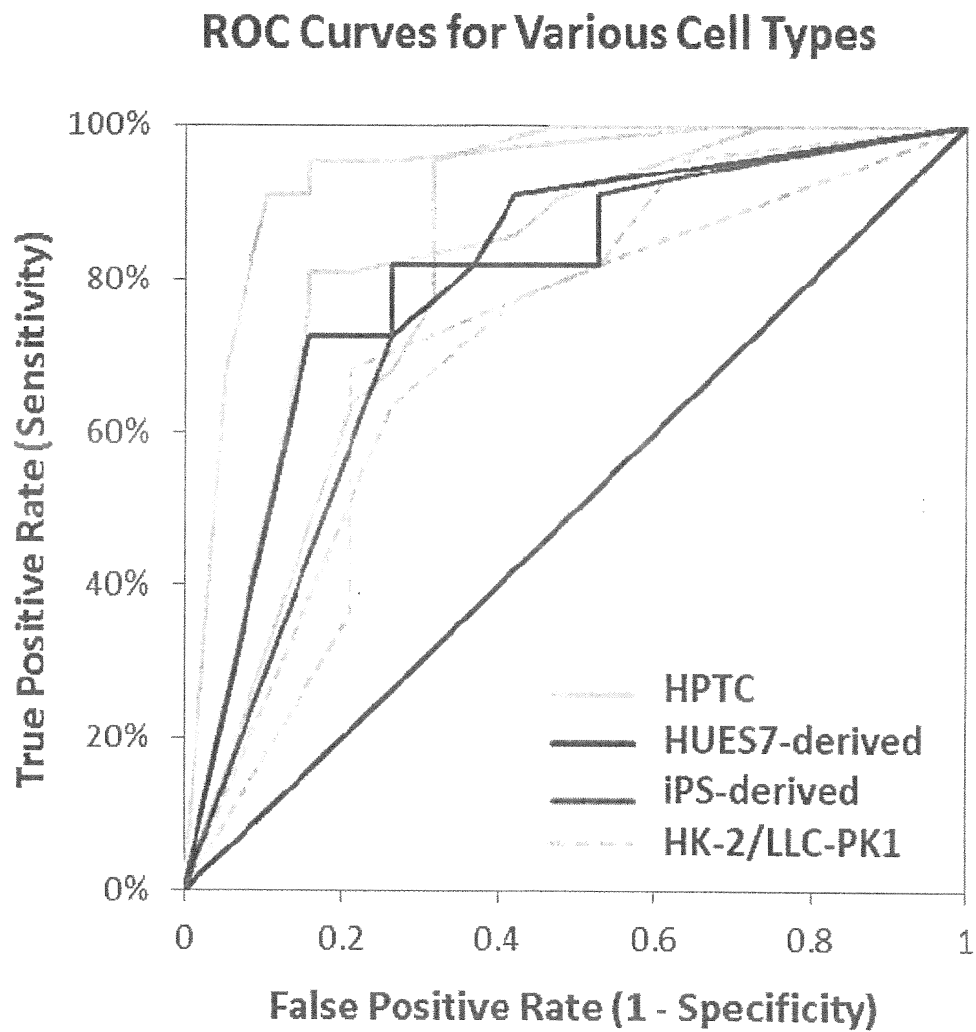


FIGURE 29

TABLE 20

Cell Type	Balanced Accuracy	Sensitivity	Specificity	PPV	NPV	AUC
HUES7-derived	0.73	0.73	0.74	0.76	0.70	0.80
iPS-derived	0.78	0.82	0.74	0.78	0.78	0.77

FIGURE 30

**FIGURE 31**