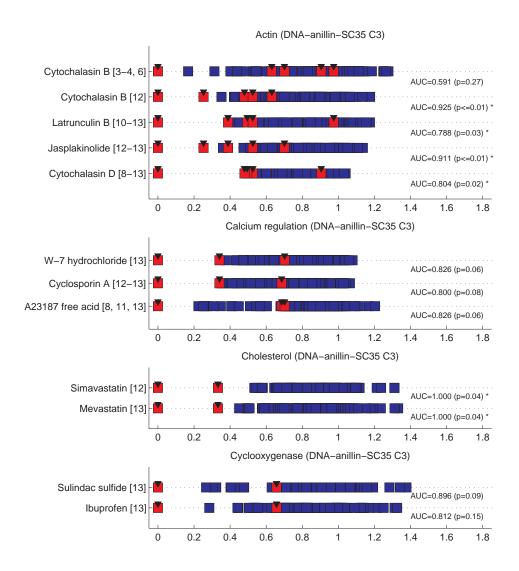
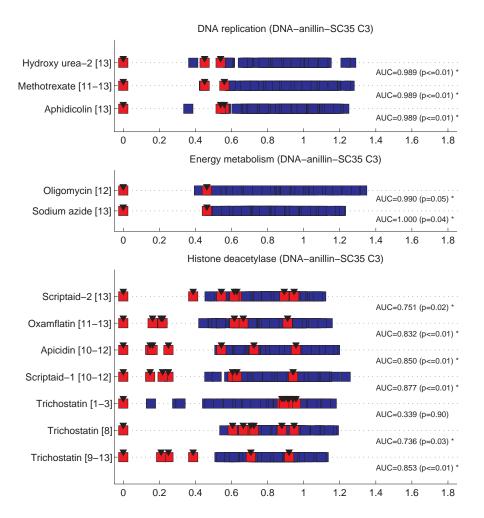
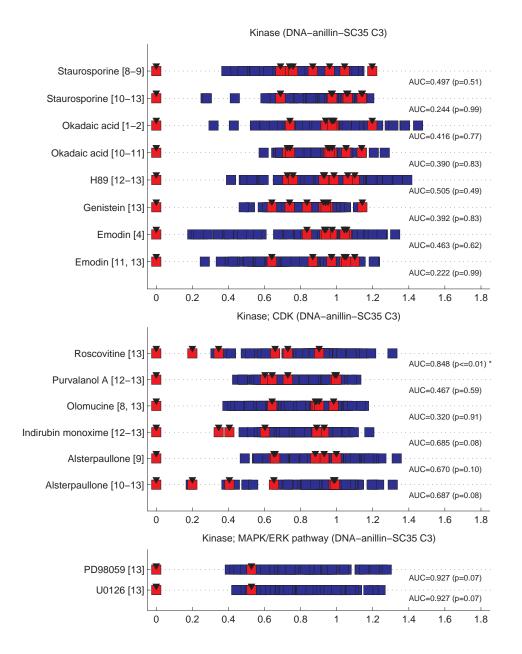
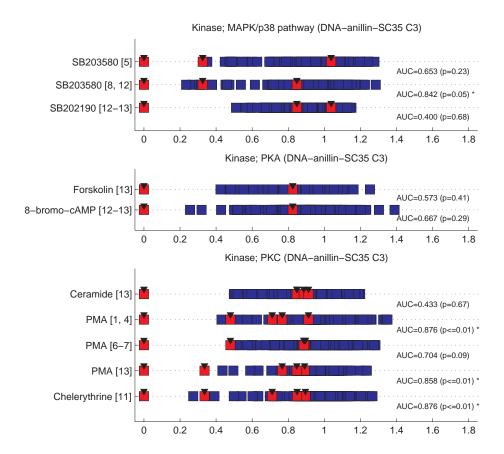
Supplementary Data 1: Drug screening performance for all compounds

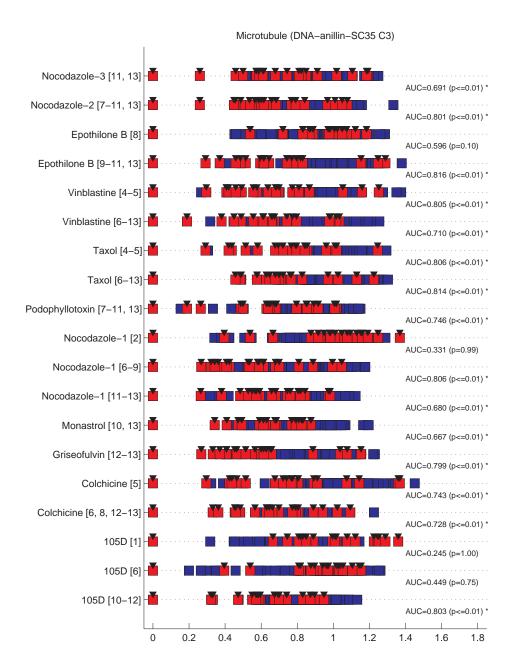
For each d-profile, the drug screening performance was measured on the **a**) DNA-SC35-anillin, **b**) DNA-p53-cFos, **c**) DNA-pp38-pERK, and **d**) DNA-microtubule-actin marker sets. The d-profile was used as the reference profile (the first \blacksquare at 0) and its similarities to all other d-profiles (d-profiles belonged to the same category as the reference compounds, \blacksquare ; and d-profiles from other categories, \blacksquare) were measured and ranked. The area under receiver operating characteristic curve (AUC) was calculated based on the ranking (see Methods). * d-profiles with statistically significant AUC values (P < 0.05).

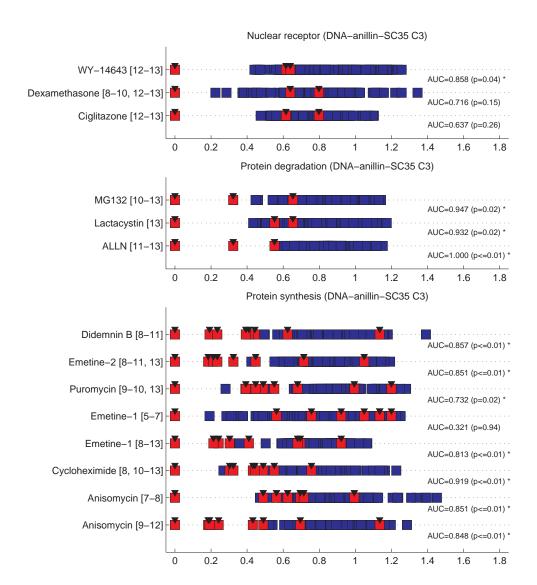


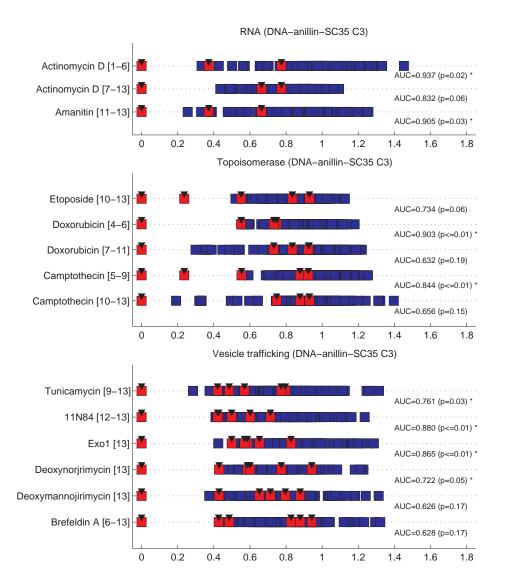


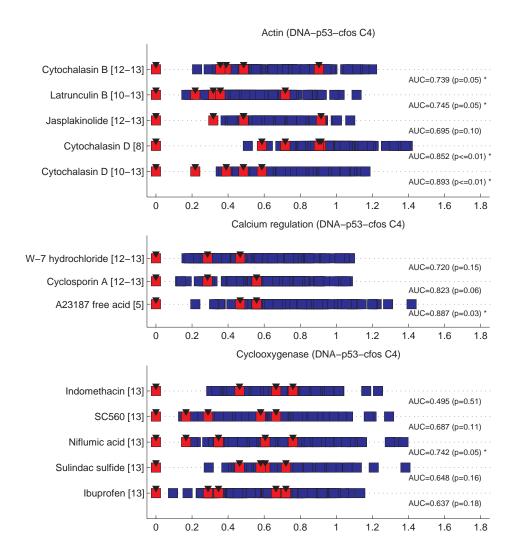


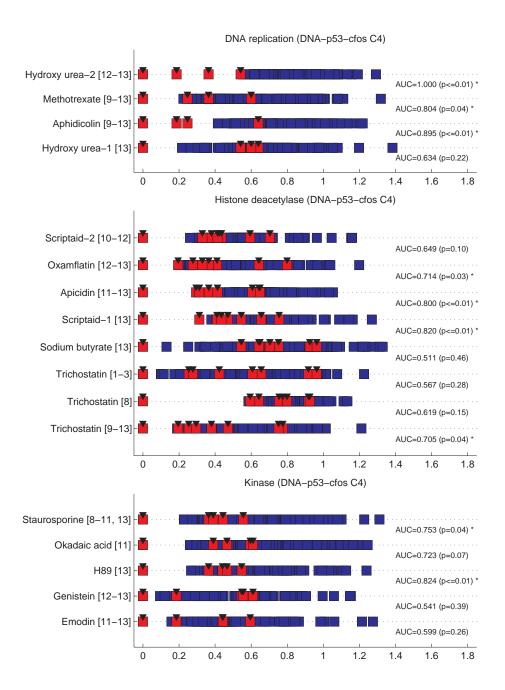


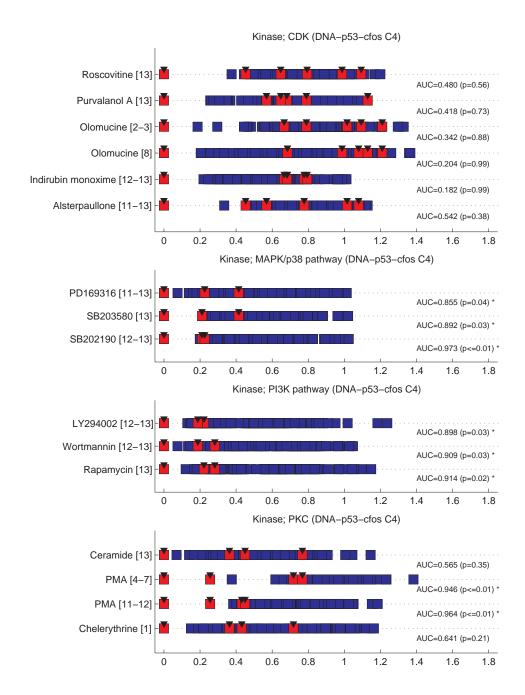


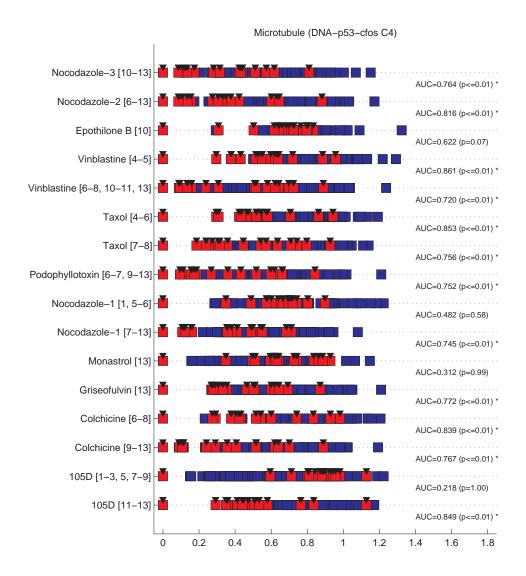


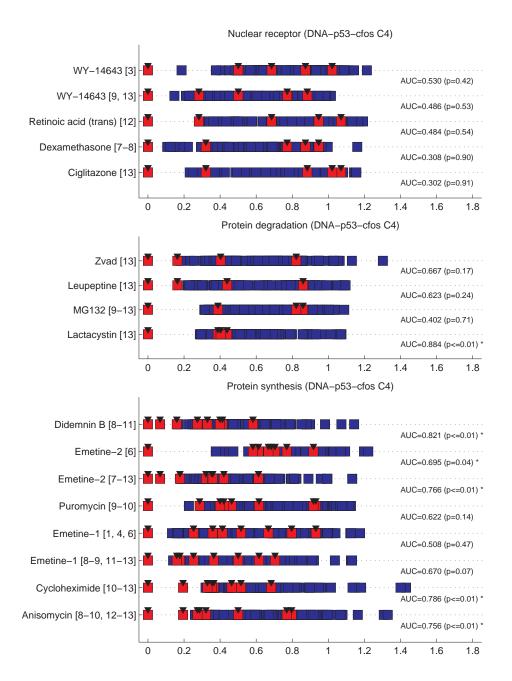


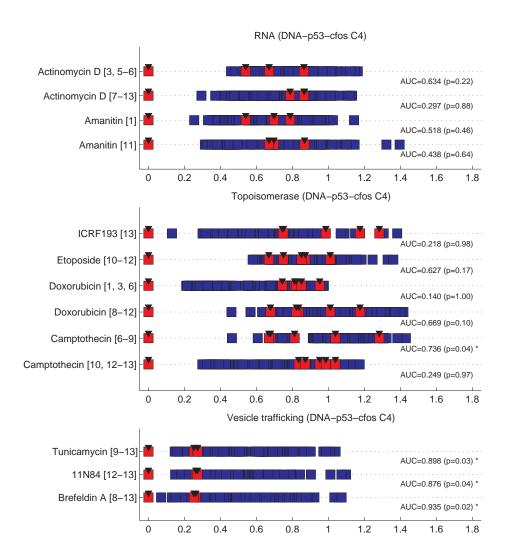


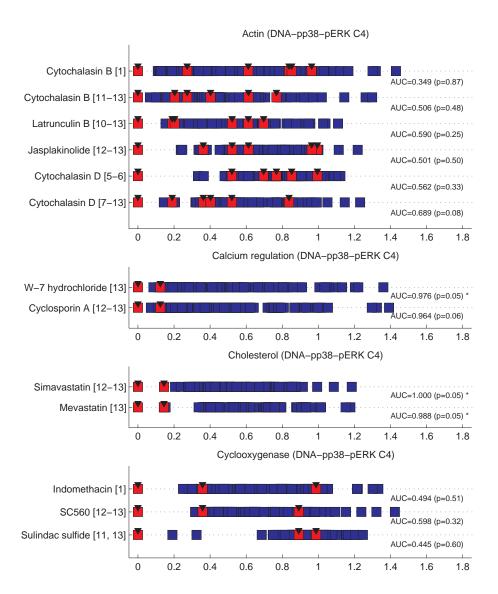


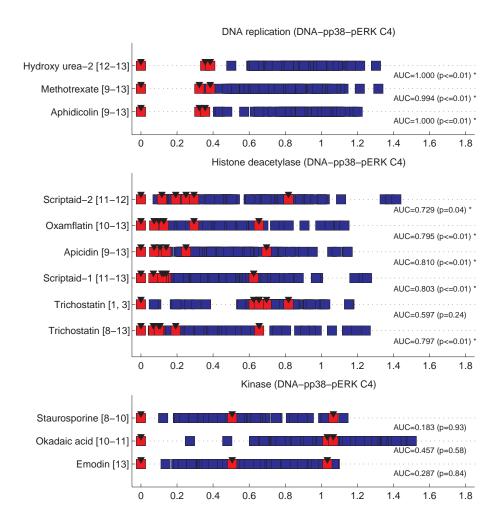


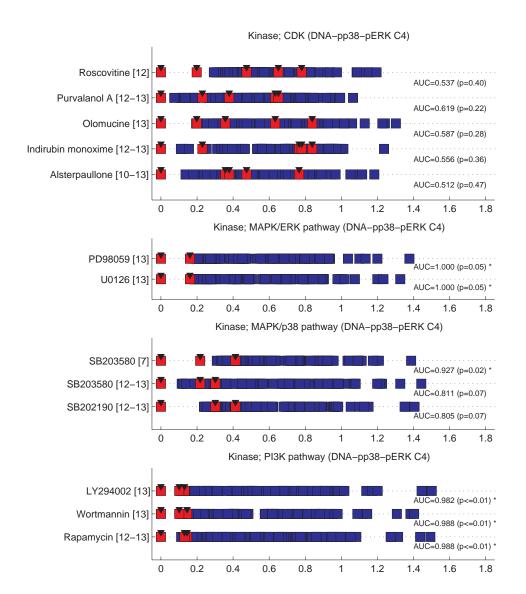


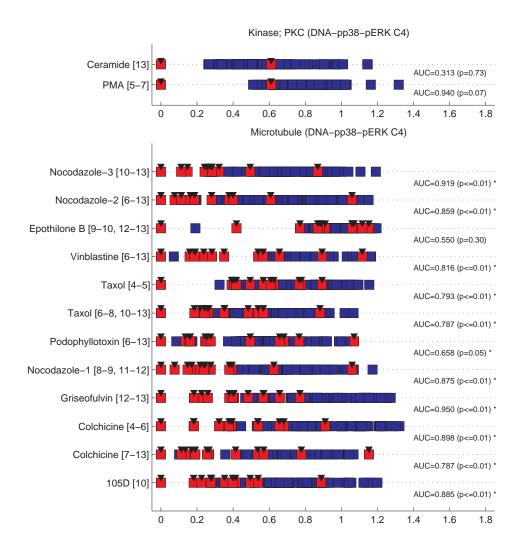


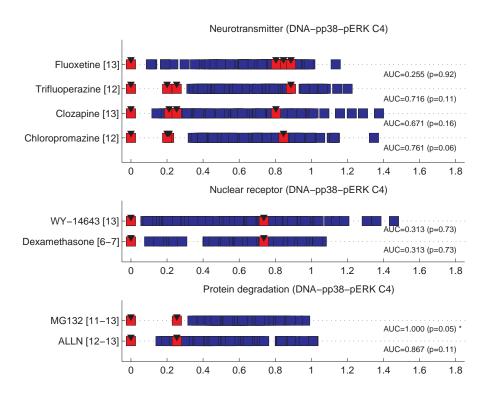


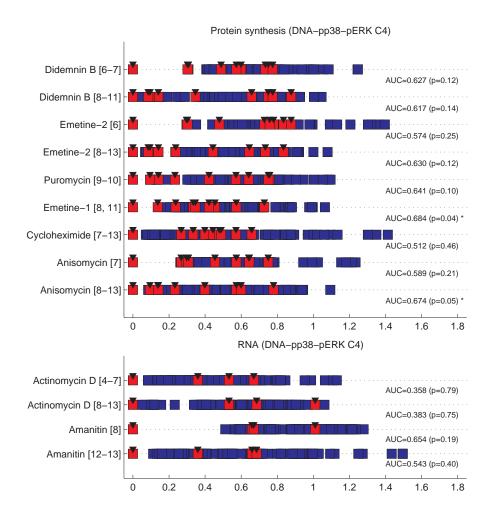


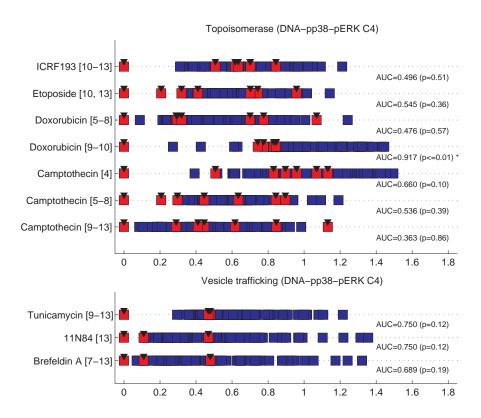


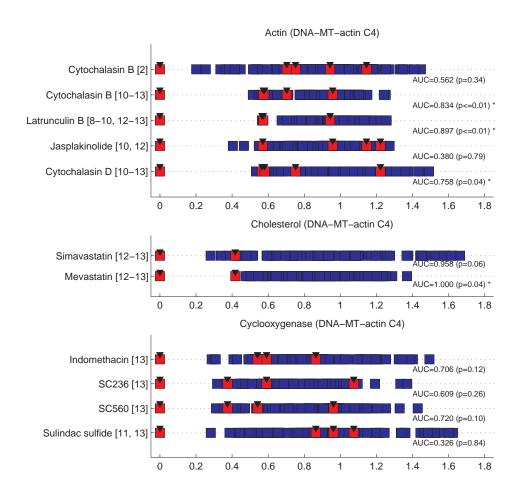


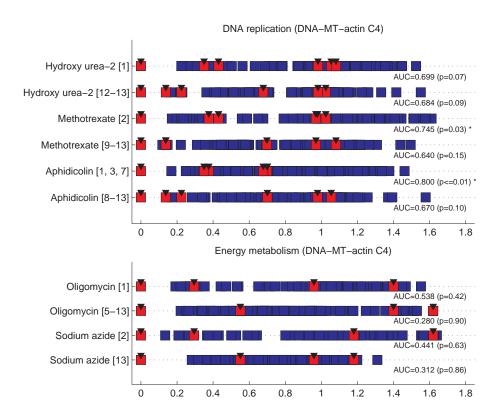


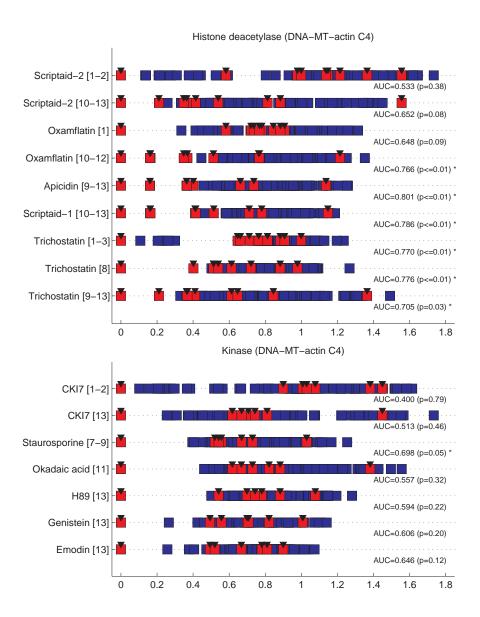


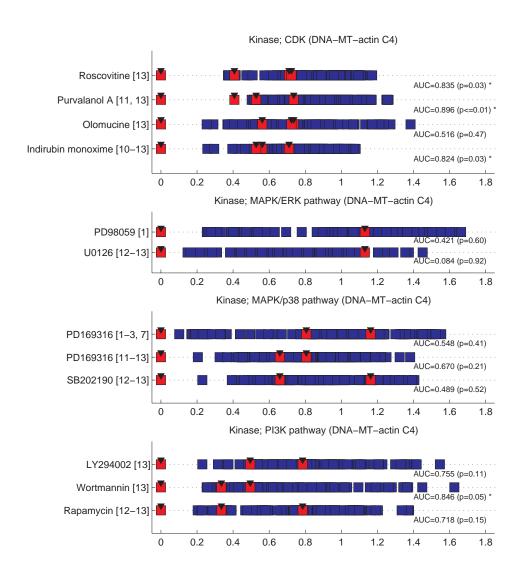


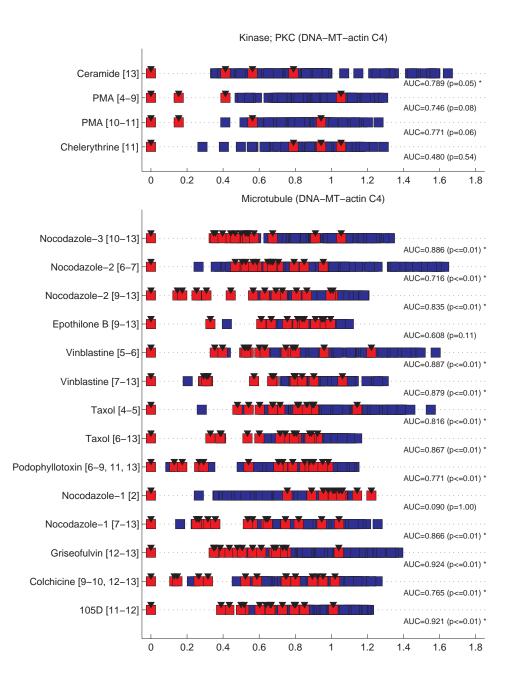


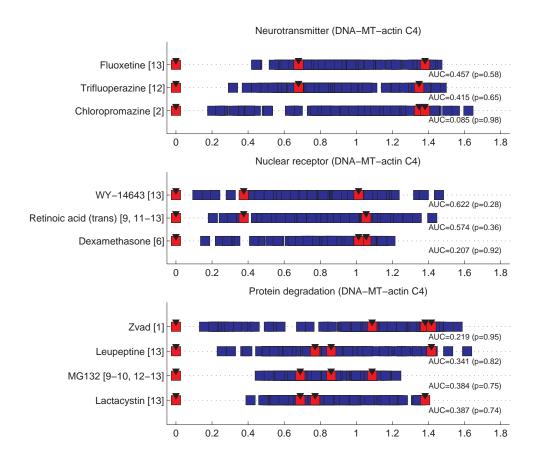


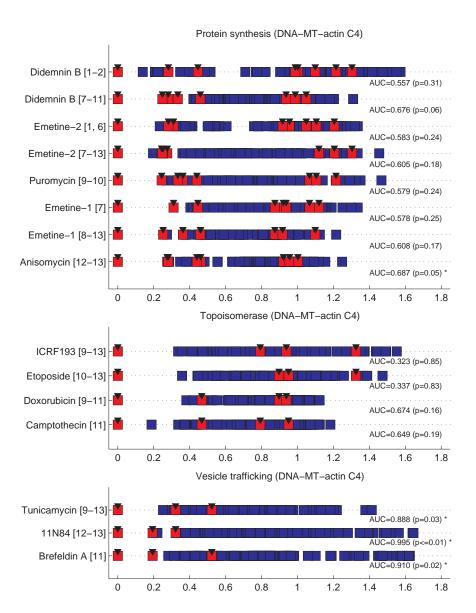












Supplementary Data 2: Category prediction for all compounds

The category of a novel d-profile can be inferred from its closest characterized d-profiles. The five most similar d-profiles to the d-profiles of all compounds on the **a**) DNA-SC35-anillin, **b**) DNA-p53-cFos, **c**) DNA-pp38-pERK, and **d**) DNA-microtubule-actin marker sets are listed along with their similarity scores (see Methods).

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
105D (10-12)	Microtubule		Amanitin (11-13)	RNA	
Nocodazole-1 (6-9)	Microtubule	0.322	8-bromo-cAMP (12-13)	Kinase; PKA	0.256
Colchicine (6, 8, 12-13)	Microtubule	0.332	Camptothecin (10-13)	Topoisomerase	0.329
Griseofulvin (12-13)	Microtubule	0.332	Actinomycin D (1-6)	RNA	0.372
Monastrol (10, 13)	Microtubule	0.472	Roscovitine (13)	Kinase; CDK	0.382
11N84 (12-13)	Vesicle trafficking	0.475	Alsterpaullone (10-13)	Kinase; CDK	0.389
105D (6)	Microtubule	0.470	Austerpatinone (10 10)	Killase, obit	0.000
Emodin (4)	Kinase	0.200	Anisomycin (9-12)	Protein synthesis	
					0.184
SB203580 (8, 12)	Kinase; MAPK/p38 pwy.	0.265	Emetine-2 (8-11, 13)	Protein synthesis	
A23187 free acid (8, 11, 13)	Calcium regulation	0.271	Didemnin B (8-11)	Protein synthesis	0.192
Chloropromazine (4, 6)	Neurotransmitter	0.296	Emetine-1 (8-13)	Protein synthesis	0.242
Emetine-1 (5-7)	Protein synthesis	0.345	Austocystin (12)	Unknown	0.292
105D (1)	Microtubule		Cycloheximide (8, 10-13)	Protein synthesis	0.432
Okadaic acid (1-2)	Kinase	0.318	Anisomycin (7-8)	Protein synthesis	
Deoxymannojirimycin (13)	Vesicle trafficking	0.448	Concentramide (6)	Unknown	0.348
Deoxynorjrimycin (13)	Vesicle trafficking	0.453	Lactacystin (13)	Protein degradation	0.471
Amanitin (11-13)	RNA	0.504	Cycloheximide (8, 10-13)	Protein synthesis	0.489
PMA (1, 4)	Kinase; PKC	0.527	Brefeldin A (6-13)	Vesicle trafficking	0.524
			Emetine-1 (5-7)	Protein synthesis	0.563
11N84 (12-13)	Vesicle trafficking		,	•	
Cyclosporin A (12-13)	Calcium regulation	0.409	Aphidicolin (13)	DNA replication	
Monastrol (10, 13)	Microtubule	0.416	Doxorubicin (7-11)	Topoisomerase	0.361
Tunicamycin (9-13)	Vesicle trafficking	0.421	Hydroxy urea-2 (13)	DNA replication	0.540
Brefeldin A (6-13)	Vesicle trafficking	0.427	Methotrexate (11-13)	DNA replication	0.560
W-7 hydrochloride (13)	· ·	0.427	Sodium azide (13)	•	0.562
W-7 hydrochlonde (13)	Calcium regulation	0.437	` ,	Energy metabolism	
			Purvalanol A (12-13)	Kinase; CDK	0.569
8-bromo-cAMP (12-13)	Kinase; PKA				
Amanitin (11-13)	RNA	0.256	Apicidin (10-12)	Histone deacetylase	
Camptothecin (10-13)	Topoisomerase	0.320	Scriptaid-1 (10-12)	Histone deacetylase	0.149
Actinomycin D (1-6)	RNA	0.428	Oxamflatin (11-13)	Histone deacetylase	0.163
Alsterpaullone (10-13)	Kinase; CDK	0.500	Trichostatin (9-13)	Histone deacetylase	0.251
Deoxymannojirimycin (13)	Vesicle trafficking	0.517	U0126 (13)	Kinase; MAPK/ERK pwy.	0.533
			Scriptaid-2 (13)	Histone deacetylase	0.544
A23187 free acid (8, 11, 13)	Calcium regulation		,	·	
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.224	Austocystin (12)	Unknown	
Chloropromazine (4, 6)	Neurotransmitter	0.252	Emetine-1 (8-13)	Protein synthesis	0.233
Emodin (4)	Kinase	0.258	Emetine-2 (8-11, 13)	Protein synthesis	0.282
105D (6)	Microtubule	0.271	Anisomycin (9-12)	Protein synthesis	0.292
SB203580 (8, 12)	Kinase; MAPK/p38 pwy.	0.307	Cycloheximide (8, 10-13)	Protein synthesis	0.413
3B203300 (0, 12)	Milase, MAI 10000 pwy.	0.307	Didemnin B (8-11)	Protein synthesis	0.415
Actinomycin D (7-13)	RNA		Didefillill B (6-11)	Frotein synthesis	0.413
Alsterpaullone (10-13)	Kinase; CDK	0.436	Drofoldin A (C 42)	Vaciale trefficking	
Indirubin monoxime (12-13)			Brefeldin A (6-13) 11N84 (12-13)	Vesicle trafficking	0.427
,	Kinase; CDK	0.484	, ,	Vesicle trafficking	
Purvalanol A (12-13)	Kinase; CDK	0.484	Cyclosporin A (12-13)	Calcium regulation	0.468
Didemnin B (8-11)	Protein synthesis	0.492	Tunicamycin (9-13)	Vesicle trafficking	0.485
Camptothecin (10-13)	Topoisomerase	0.494	Ceramide (13)	Kinase; PKC	0.499
Actinomycin D (1-6)	RNA		W-7 hydrochloride (13)	Calcium regulation	0.508
Camptothecin (10-13)	Topoisomerase	0.332			
Amanitin (11-13)	RNA	0.372	Camptothecin (10-13)	Topoisomerase	
8-bromo-cAMP (12-13)	Kinase; PKA	0.428	Alsterpaullone (10-13)	Kinase; CDK	0.191
Alsterpaullone (10-13)	Kinase; CDK	0.501	8-bromo-cAMP (12-13)	Kinase; PKA	0.320
Roscovitine (13)	Kinase; CDK	0.562	Roscovitine (13)	Kinase; CDK	0.328
			Amanitin (11-13)	RNA	0.329
ALLN (11-13)	Protein degradation		Actinomycin D (1-6)	RNA	0.332
MG132 (10-13)	Protein degradation	0.323	Camptothecin (5-9)	Topoisomerase	0.002
* *	•		Etoposide (10-13)	Topoisomerase	0.236
Austocystin (12)	Unknown Protein degradation	0.520	. ,	•	
Lactacystin (13)	· ·	0.552	Doxorubicin (4-6)	Topoisomerase	0.553
Doxorubicin (4-6)	Topoisomerase	0.565	Hydroxy urea-2 (13)	DNA replication	0.592
Etoposide (10-13)	Topoisomerase	0.579	ALLN (11-13)	Protein degradation	0.688
			Methotrexate (11-13)	DNA replication	0.703
Alsterpaullone (10-13)	Kinase; CDK				
Camptothecin (10-13)	Topoisomerase	0.191	Ceramide (13)	Kinase; PKC	
Roscovitine (13)	Kinase; CDK	0.200	Brefeldin A (6-13)	Vesicle trafficking	0.499
Amanitin (11-13)	RNA	0.389	Mevastatin (13)	Cholesterol	0.508
Indirubin monoxime (12-13)	Kinase; CDK	0.406	Sodium azide (13)	Energy metabolism	0.520
Actinomycin D (7-13)	RNA	0.436	11N84 (12-13)	Vesicle trafficking	0.527
Alsterpaullone (9)	Kinase; CDK		Purvalanol A (12-13)	Kinase; CDK	0.556
H89 (12-13)	Kinase	0.491	-/	•	
Amanitin (11-13)	RNA	0.558	Chelerythrine (11)	Kinase; PKC	
SB203580 (5)	Kinase; MAPK/p38 pwy.	0.565	Staurosporine (10-13)	Kinase	0.273
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.573	PMA (13)	Kinase; PKC	0.273
, ,	·		Puromycin (9-10, 13)		0.330
Emodin (4)	Kinase	0.584		Protein synthesis	
			Didemnin B (8-11)	Protein synthesis	0.498
			Anisomycin (9-12)	Protein synthesis	0.541

Supplementary Data 2a: DNA-SC35-Anillin Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Chloropromazine (4, 6)	Neurotransmitter		Deoxynorjrimycin (13)	Vesicle trafficking	
Cytochalasin B (3-4, 6)	Actin	0.167	Deoxymannojirimycin (13)	Vesicle trafficking	0.429
Emetine-1 (5-7)	Protein synthesis	0.192	105D (1)	Microtubule	0.453
Emodin (4)	Kinase	0.220	Forskolin (13)	Kinase; PKA	0.505
A23187 free acid (8, 11, 13)	Calcium regulation	0.252	Trichostatin (9-13)	Histone deacetylase	0.533
,	· ·			•	
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.286	Oxamflatin (11-13)	Histone deacetylase	0.542
Ciglitazone (12-13)	Nuclear receptor		Dexamethasone (8-10, 12-13)	Nuclear receptor	
W-7 hydrochloride (13)	Calcium regulation	0.475	A23187 free acid (8, 11, 13)	Calcium regulation	0.224
Monastrol (10, 13)	Microtubule	0.529	Chloropromazine (4, 6)	Neurotransmitter	0.286
Cyclosporin A (12-13)	Calcium regulation	0.529	Deoxymannojirimycin (13)	Vesicle trafficking	0.375
Tunicamycin (9-13)	Vesicle trafficking	0.534	105D (6)	Microtubule	0.375
Ibuprofen (13)	Cyclooxygenase	0.539	Emodin (4)	Kinase	0.383
Colchicine (6, 8, 12-13)	Microtubule		Didemnin B (8-11)	Protein synthesis	
105D (10-12)	Microtubule	0.332	Anisomycin (9-12)	Protein synthesis	0.192
,		0.363	• • •	•	
Nocodazole-1 (6-9)	Microtubule		Emetine-2 (8-11, 13)	Protein synthesis	0.235
Griseofulvin (12-13)	Microtubule	0.453	Puromycin (9-10, 13)	Protein synthesis	0.393
Nocodazole-3 (11, 13)	Microtubule	0.458	Emetine-1 (8-13)	Protein synthesis	0.410
Nocodazole-1 (11-13)	Microtubule	0.484	Austocystin (12)	Unknown	0.415
Colchicine (5)	Microtubule				
Vinblastine (4-5)	Microtubule	0.296	Doxorubicin (7-11)	Topoisomerase	
Sulindac sulfide (13)	Cyclooxygenase	0.323	Trichostatin (1-3)	Histone deacetylase	0.299
Staurosporine (8-9)	Kinase	0.389	Podophyllotoxin (7-11, 13)	Microtubule	0.333
Nocodazole-1 (6-9)	Microtubule	0.424	Aphidicolin (13)	DNA replication	0.361
Taxol (4-5)	Microtubule	0.437	Nocodazole-1 (11-13)	Microtubule	0.363
, ,			Hydroxy urea-2 (13)	DNA replication	0.388
Concentramide (6)	Unknown		Doxorubicin (4-6)	Topoisomerase	
Anisomycin (7-8)	Protein synthesis	0.348	Etoposide (10-13)	Topoisomerase	0.551
Lactacystin (13)	Protein degradation	0.446	Camptothecin (5-9)	Topoisomerase	0.553
Emodin (11, 13)	Kinase	0.483	ALLN (11-13)	Protein degradation	0.565
Cycloheximide (8, 10-13)	Protein synthesis	0.484	Okadaic acid (1-2)	Kinase	0.567
• • • • • • • • • • • • • • • • • • • •	Cholesterol		` ,		
Mevastatin (13)	Cholesterol	0.488	PMA (1, 4)	Kinase; PKC	0.573
Cycloheximide (8, 10-13)	Protein synthesis		Emetine-1 (8-13)	Protein synthesis	
Emodin (11, 13)	Kinase	0.269	Emetine-2 (8-11, 13)	Protein synthesis	0.213
Emetine-1 (8-13)	Protein synthesis	0.304	Austocystin (12)	Unknown	0.233
Emetine-2 (8-11, 13)	Protein synthesis	0.324	Anisomycin (9-12)	Protein synthesis	0.242
Austocystin (12)	Unknown	0.413	Cycloheximide (8, 10-13)	Protein synthesis	0.304
Anisomycin (9-12)	Protein synthesis	0.432	Emodin (11, 13)	Kinase	0.358
7 ii ii 3 c ii 7 (0 · 1 <u>2</u>)	. retem symmetre	002	Emetine-1 (5-7)	Protein synthesis	0.000
Cyclosporin A (12-13)	Calcium regulation		Chloropromazine (4, 6)	Neurotransmitter	0.192
W-7 hydrochloride (13)	Calcium regulation	0.341	Emodin (4)	Kinase	0.132
Cytochalasin B (12)	Actin	0.352	Cytochalasin B (3-4, 6)	Actin	0.203
• • • • • • • • • • • • • • • • • • • •					
Jasplakinolide (12-13)	Actin	0.361	105D (6)	Microtubule	0.345
Olomucine (8, 13)	Kinase; CDK	0.394	A23187 free acid (8, 11, 13)	Calcium regulation	0.349
11N84 (12-13)	Vesicle trafficking	0.409	Emetine-2 (8-11, 13)	Protein synthesis	
Cytochalasin B (12)	Actin		Anisomycin (9-12)	Protein synthesis	0.184
Jasplakinolide (12-13)	Actin	0.253	Emetine-1 (8-13)	Protein synthesis	0.213
Cyclosporin A (12-13)	Calcium regulation	0.352	Didemnin B (8-11)	Protein synthesis	0.235
Olomucine (8, 13)	Kinase; CDK	0.421	Austocystin (12)	Unknown	0.282
Tunicamycin (9-13)	Vesicle trafficking	0.427	Cycloheximide (8, 10-13)	Protein synthesis	0.202
W-7 hydrochloride (13)	Calcium regulation	0.427	Cycloneximide (6, 10-13)	Flotein synthesis	0.324
Cytochalasin B (3-4, 6)	Actin	0.471	Emodin (11, 13)	Kinase	
Chloropromazine (4, 6)	Neurotransmitter	0.167	Cycloheximide (8, 10-13)	Protein synthesis	0.269
	Protein synthesis		* * * * * * * * * * * * * * * * * * * *	•	0.209
Emetine-1 (5-7)	•	0.313	Emetine-1 (8-13)	Protein synthesis	
Emodin (4)	Kinase	0.402	PD98059 (13)	Kinase; MAPK/ERK pathwa	0.408
A23187 free acid (8, 11, 13)	Calcium regulation	0.406	Emetine-2 (8-11, 13)	Protein synthesis	0.424
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.433	Austocystin (12)	Unknown	0.425
Cytochalasin D (8-13)	Actin		Emodin (4) 105D (6)	Kinase Microtubule	0.200
Cytochalasin B (12)	Actin	0.480	Chloropromazine (4, 6)	Neurotransmitter	0.220
Latrunculin B (10-13)	Actin	0.480	SB203580 (8, 12)	Kinase; MAPK/p38 pathwa	0.234
Cyclosporin A (12-13)	Calcium regulation	0.499	A23187 free acid (8, 11, 13)		0.258
• • • •	•		* * * * *	Calcium regulation	
Jasplakinolide (12-13)	Actin	0.526	Emetine-1 (5-7)	Protein synthesis	0.285
Cycloheximide (8, 10-13)	Protein synthesis	0.544			
Deoxymannojirimycin (13)	Vesicle trafficking				
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.375			
Deoxynorjrimycin (13)	Vesicle trafficking	0.429			
Cyclosporin A (12-13)	Calcium regulation	0.436			
105D (1)	Microtubule	0.448			
Cytochalasin B (3-4, 6)	Actin	0.485			
-, 100.1a.ao.ii D (0 1, 0)		5.100			

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Epothilone B (9-11, 13)	Microtubule		Jasplakinolide (12-13)	Actin	
Taxol (4-5)	Microtubule	0.291	Cytochalasin B (12)	Actin	0.253
Griseofulvin (12-13)	Microtubule	0.370	Cyclosporin A (12-13)	Calcium regulation	0.361
Sulindac sulfide (13)	Cyclooxygenase	0.405	Latrunculin B (10-13)	Actin	0.388
Vinblastine (4-5)	Microtubule	0.459	W-7 hydrochloride (13)	Calcium regulation	0.474
Taxol (6-13)	Microtubule	0.485	Puromycin (9-10, 13)	Protein synthesis	0.509
Epothilone B (8)	Microtubule	0.465	Full Hydin (9-10, 13)	Protein synthesis	0.509
Chloropromazine (4, 6)	Neurotransmitter	0.452	Lactacystin (13)	Protein degradation	
SB203580 (8, 12)	Kinase; MAPK/p38 pwy.	0.461	Emodin (11, 13)	Kinase	0.433
Emetine-1 (5-7)	Protein synthesis	0.498	Concentramide (6)	Unknown	0.446
Emodin (4)	Kinase	0.514	Austocystin (12)	Unknown	0.463
Nocodazole-1 (2)	Microtubule	0.539	Anisomycin (7-8)	Protein synthesis	0.471
. 10000002010 1 (2)		0.000	Cycloheximide (8, 10-13)	Protein synthesis	0.500
Etoposide (10-13)	Topoisomerase			,	
Camptothecin (5-9)	Topoisomerase	0.236	Latrunculin B (10-13)	Actin	
Genistein (13)	Kinase	0.519	Jasplakinolide (12-13)	Actin	0.388
Doxorubicin (4-6)	Topoisomerase	0.551	Cyclosporin A (12-13)	Calcium regulation	0.435
MG132 (10-13)	Protein degradation	0.553	Mevastatin (13)	Cholesterol	0.450
ALLN (11-13)	Protein degradation	0.579	Cytochalasin D (8-13)	Actin	0.495
ALLIV (TT 10)	1 Totali degradation	0.073	Cytochalasin B (12)	Actin	0.526
Exo1 (13)	Vesicle trafficking		Cytochalasin B (12)	Actin	0.020
Forskolin (13)	Kinase: PKA	0.424	Methotrexate (11-13)	DNA replication	
11N84 (12-13)	Vesicle trafficking	0.499	Doxorubicin (7-11)	Topoisomerase	0.447
Ibuprofen (13)	Cyclooxygenase	0.535	Hydroxy urea-2 (13)	DNA replication	0.451
Emodin (11, 13)	Kinase	0.561	, ,	DNA replication	0.560
			Aphidicolin (13)		
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.565	105D (1)	Microtubule	0.591
Forekelin (42)	Kinasa, DKA		Doxorubicin (4-6)	Topoisomerase	0.593
Forskolin (13) Exo1 (13)	Kinase; PKA Vesicle trafficking	0.424	Movastatin (12)	Cholesterol	
11N84 (12-13)	Vesicle trafficking	0.424	Mevastatin (13) Simavastatin (12)	Cholesterol	0.333
* *	· ·		. ,		
U0126 (13)	Kinase; MAPK/ERK pwy.	0.480	Latrunculin B (10-13)	Actin	0.450
Deoxynorjrimycin (13)	Vesicle trafficking	0.505	Concentramide (6)	Unknown	0.488
Tunicamycin (9-13)	Vesicle trafficking	0.519	Cyclosporin A (12-13)	Calcium regulation	0.491
0	12		Purvalanol A (12-13)	Kinase; CDK	0.498
Genistein (13)	Kinase	0.405	MO420 (40.40)	Dontois do ser detion	
Monastrol (10, 13)	Microtubule	0.485	MG132 (10-13)	Protein degradation	0.000
Etoposide (10-13)	Topoisomerase	0.519	ALLN (11-13)	Protein degradation	0.323
Doxorubicin (4-6)	Topoisomerase	0.591	Vinblastine (6-13)	Microtubule	0.447
Nocodazole-1 (6-9)	Microtubule	0.615	Podophyllotoxin (7-11, 13)	Microtubule	0.461
MG132 (10-13)	Protein degradation	0.624	Trichostatin (1-3)	Histone deacetylase	0.542
			Doxorubicin (7-11)	Topoisomerase	0.544
Griseofulvin (12-13)	Microtubule				
Nocodazole-1 (6-9)	Microtubule	0.268	Monastrol (10, 13)	Microtubule	
105D (10-12)	Microtubule	0.332	Nocodazole-1 (6-9)	Microtubule	0.342
Epothilone B (9-11, 13)	Microtubule	0.370	Griseofulvin (12-13)	Microtubule	0.409
Sulindac sulfide (13)	Cyclooxygenase	0.403	11N84 (12-13)	Vesicle trafficking	0.416
Vinblastine (4-5)	Microtubule	0.407	Sulindac sulfide (13)	Cyclooxygenase	0.422
. ,			105D (10-12)	Microtubule	0.472
H89 (12-13)	Kinase				
Roscovitine (13)	Kinase; CDK	0.414	Nocodazole-1 (11-13)	Microtubule	
Amanitin (11-13)	RNA	0.485	Podophyllotoxin (7-11, 13)	Microtubule	0.265
Alsterpaullone (9)	Kinase; CDK	0.491	Trichostatin (1-3)	Histone deacetylase	0.317
8-bromo-cAMP (12-13)	Kinase; PKA	0.529	Doxorubicin (7-11)	Topoisomerase	0.363
Alsterpaullone (10-13)	Kinase; CDK	0.537	Vinblastine (6-13)	Microtubule	0.380
- 1 ()	,		Oligomycin (12)	Energy metabolism	0.419
Hydroxy urea-2 (13)	DNA replication		Nocodazole-1 (6-9)	Microtubule	
Doxorubicin (7-11)	Topoisomerase	0.388	Griseofulvin (12-13)	Microtubule	0.268
Methotrexate (11-13)	DNA replication	0.451	105D (10-12)	Microtubule	0.322
Aphidicolin (13)	DNA replication	0.540	Monastrol (10, 13)	Microtubule	0.342
Trichostatin (1-3)	Histone deacetylase	0.581	Colchicine (6, 8, 12-13)		0.363
` ,	-			Microtubule	
Doxorubicin (4-6)	Topoisomerase	0.584	Vinblastine (4-5)	Microtubule	0.408
Ibunratan (12)	Cyclooxygonaes		Nocodazole-1 (2)	Microtubule Kinase	0.340
Ibuprofen (13)	Cyclooxygenase	0.205	Emodin (4)		0.340
Tunicamycin (9-13)	Vesicle trafficking	0.285	SB203580 (8, 12)	Kinase; MAPK/p38 pwy.	0.377
WY-14643 (12-13)	Nuclear receptor	0.441	105D (6)	Microtubule	0.395
U0126 (13)	Kinase; MAPK/ERK pwy.	0.444	A23187 free acid (8, 11, 13)	Calcium regulation	0.409
Monastrol (10, 13)	Microtubule	0.502	Chloropromazine (4, 6)	Neurotransmitter	0.422
W-7 hydrochloride (13)	Calcium regulation	0.507	N I	10 1	
1. P. 11	1/2 · · · · · · OF ! /		Nocodazole-2 (7-11, 13)	Microtubule	0.000
Indirubin monoxime (12-13)	Kinase; CDK		Nocodazole-3 (11, 13)	Microtubule	0.260
Roscovitine (13)	Kinase; CDK	0.346	Vinblastine (6-13)	Microtubule	0.449
Alsterpaullone (10-13)	Kinase; CDK	0.406	Taxol (6-13)	Microtubule	0.457
Actinomycin D (7-13)	RNA	0.484	Podophyllotoxin (7-11, 13)	Microtubule	0.487
Camptothecin (10-13)	Topoisomerase	0.531	Nocodazole-1 (6-9)	Microtubule	0.535
Emodin (11, 13)	Kinase	0.568	• •		
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Supplementary Data 2a: DNA-SC35-Anillin Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Nocodazole-3 (11, 13)	Microtubule		Puromycin (9-10, 13)	Protein synthesis	
Nocodazole-2 (7-11, 13)	Microtubule	0.260	Staurosporine (10-13)	Kinase	0.280
Colchicine (6, 8, 12-13)	Microtubule	0.458	Chelerythrine (11)	Kinase; PKC	0.391
Podophyllotoxin (7-11, 13)	Microtubule	0.500	Didemnin B (8-11)	Protein synthesis	0.393
Oligomycin (12)	Energy metabolism	0.516	PMA (13)	Kinase; PKC	0.435
Trichostatin (1-3)	Histone deacetylase	0.527	Emetine-2 (8-11, 13)	Protein synthesis	0.447
Okadaic acid (10-11)	Kinase	0.505	Purvalanol A (12-13)	Kinase; CDK	0.440
105D (1)	Microtubule	0.595	Cyclosporin A (12-13)	Calcium regulation	0.448
Simavastatin (12)	Cholesterol	0.665	Scriptaid-2 (13)	Histone deacetylase	0.479
Aphidicolin (13)	DNA replication	0.676	Sodium azide (13)	Energy metabolism	0.479
Nocodazole-3 (11, 13) Hydroxy urea-2 (13)	Microtubule DNA replication	0.687	Actinomycin D (7-13)	RNA Cholesterol	0.484 0.498
Okadaic acid (1-2)	Kinase	0.687	Mevastatin (13)	Cholesterol	0.496
105D (1)	Microtubule	0.318	Roscovitine (13)	Kinase; CDK	
PMA (1, 4)	Kinase; PKC	0.430	Alsterpaullone (10-13)	Kinase; CDK	0.200
Nocodazole-1 (2)	Microtubule	0.547	Camptothecin (10-13)	Topoisomerase	0.200
Doxorubicin (4-6)	Topoisomerase	0.567	Indirubin monoxime (12-13)	Kinase; CDK	0.346
Methotrexate (11-13)	DNA replication	0.600	Amanitin (11-13)	RNA	0.382
Wellottexate (11 10)	Divitiopheation	0.000	H89 (12-13)	Kinase	0.414
Oligomycin (12)	Energy metabolism		1103 (12 10)	Kindo	0.414
Nocodazole-1 (11-13)	Microtubule	0.419	SB202190 (12-13)	Kinase; MAPK/p38 pwy.	
Sodium azide (13)	Energy metabolism	0.463	Tunicamycin (9-13)	Vesicle trafficking	0.510
Trichostatin (1-3)	Histone deacetylase	0.478	11N84 (12-13)	Vesicle trafficking	0.564
Doxorubicin (7-11)	Topoisomerase	0.487	Cyclosporin A (12-13)	Calcium regulation	0.586
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.494	Griseofulvin (12-13)	Microtubule	0.598
			WY-14643 (12-13)	Nuclear receptor	0.629
Olomucine (8, 13)	Kinase; CDK		- (- ,		
Cyclosporin A (12-13)	Calcium regulation	0.394	SB203580 (8, 12)	Kinase; MAPK/p38 pwy.	
Cytochalasin B (12)	Actin	0.421	Emodin (4)	Kinase	0.234
W-7 hydrochloride (13)	Calcium regulation	0.432	105D (6)	Microtubule	0.265
Cytochalasin B (3-4, 6)	Actin	0.439	A23187 free acid (8, 11, 13)	Calcium regulation	0.307
Emetine-1 (5-7)	Protein synthesis	0.447	Chloropromazine (4, 6)	Neurotransmitter	0.318
			Nocodazole-1 (2)	Microtubule	0.377
Oxamflatin (11-13)	Histone deacetylase		SB203580 (5)	Kinase; MAPK/p38 pwy.	
Apicidin (10-12)	Histone deacetylase	0.163	105D (6)	Microtubule	0.351
Trichostatin (9-13)	Histone deacetylase	0.210	A23187 free acid (8, 11, 13)	Calcium regulation	0.448
Scriptaid-1 (10-12)	Histone deacetylase	0.218	Emodin (4)	Kinase	0.475
U0126 (13)	Kinase; MAPK/ERK pwy.	0.444	Dexamethasone (8-10, 12-13)	Nuclear receptor	0.478
Amanitin (11-13)	RNA	0.494	Chloropromazine (4, 6)	Neurotransmitter	0.487
PD98059 (13)	Kinase; MAPK/ERK pwy.		Scriptaid-1 (10-12)	Histone deacetylase	
Emodin (11, 13)	Kinase	0.408	Apicidin (10-12)	Histone deacetylase	0.149
Podophyllotoxin (7-11, 13)	Microtubule	0.434	Oxamflatin (11-13)	Histone deacetylase	0.218
Vinblastine (6-13)	Microtubule	0.456	Trichostatin (9-13)	Histone deacetylase	0.250
Trichostatin (1-3)	Histone deacetylase	0.465	Amanitin (11-13)	RNA	0.477
Nocodazole-1 (11-13)	Microtubule	0.485	U0126 (13)	Kinase; MAPK/ERK pwy.	0.518
PMA (13)	Kinase; PKC		Scriptaid-2 (13)	Histone deacetylase	
Chelerythrine (11)	Kinase; PKC	0.336	Trichostatin (9-13)	Histone deacetylase	0.388
Puromycin (9-10, 13)	Protein synthesis	0.435	Purvalanol A (12-13)	Kinase; CDK	0.479
Staurosporine (10-13)	Kinase	0.436	Actinomycin D (7-13)	RNA	0.501
Didemnin B (8-11)	Protein synthesis	0.496	Apicidin (10-12)	Histone deacetylase	0.544
Emetine-2 (8-11, 13)	Protein synthesis	0.589	Indirubin monoxime (12-13)	Kinase; CDK	0.585
PMA (6-7)	Kinase; PKC				
Olomucine (8, 13)	Kinase; CDK	0.514	Simavastatin (12)	Cholesterol	
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.533	Mevastatin (13)	Cholesterol	0.333
Chloropromazine (4, 6)	Neurotransmitter	0.575	Concentramide (6)	Unknown	0.526
Anisomycin (7-8)	Protein synthesis	0.593	Cyclosporin A (12-13)	Calcium regulation	0.534
105D (6)	Microtubule	0.597	Cytochalasin B (12)	Actin	0.543
PMA (1, 4)	Kinase; PKC	0.400	Latrunculin B (10-13)	Actin	0.559
Okadaic acid (1-2)	Kinase	0.430	0		
105D (1)	Microtubule	0.527	Sodium azide (13)	Energy metabolism	0.462
Doxorubicin (4-6)	Topoisomerase	0.573	Oligomycin (12)	Energy metabolism	0.463
Methotrexate (11-13)	DNA replication	0.626	Purvalanol A (12-13)	Kinase; CDK	0.479
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.690	Cyclosporin A (12-13) Ceramide (13)	Calcium regulation Kinase; PKC	0.513 0.520
Podophyllotoxin (7-11, 13)	Microtubule		Aphidicolin (13)	DNA replication	0.520
Trichostatin (1-3)	Histone deacetylase	0.153	Aprilationin (13)	DIAN TEPHICATION	0.502
Vinblastine (6-13)	Microtubule	0.189			
Nocodazole-1 (11-13)	Microtubule	0.265			
Doxorubicin (7-11)	Topoisomerase	0.333			
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.434			
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Supplementary Data 2a: DNA-SC35-Anillin Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major a
Staurosporine (10-13)	Kinase		Tunicamycin (9-13)	Vesicle
Chelerythrine (11)	Kinase; PKC	0.273	Ibuprofen (13)	Cycloox
Puromycin (9-10, 13)	Protein synthesis	0.280	W-7 hydrochloride (13)	Calciun
PMA (13)	Kinase; PKC	0.436	Cyclosporin A (12-13)	Calciun
Didemnin B (8-11)	Protein synthesis	0.605	11N84 (12-13)	Vesicle
Colchicine (6, 8, 12-13)	Microtubule	0.616	Cytochalasin B (12)	Actin
Staurosporine (8-9)	Kinase		()	
Colchicine (5)	Microtubule	0.389	U0126 (13)	Kinase
Sulindac sulfide (13)	Cyclooxygenase	0.439	Oxamflatin (11-13)	Histone
Vinblastine (4-5)	Microtubule	0.479	Ibuprofen (13)	Cycloox
Griseofulvin (12-13)	Microtubule	0.497	Tunicamycin (9-13)	Vesicle
Nocodazole-1 (6-9)	Microtubule	0.504	W-7 hydrochloride (13)	Calciun
110004420.0 1 (0 0)	·····or or as a sec	0.00	Forskolin (13)	Kinase;
Sulindac sulfide (13)	Cyclooxygenase			
Vinblastine (4-5)	Microtubule	0.267	Vinblastine (6-13)	Microtu
Taxol (4-5)	Microtubule	0.305	Podophyllotoxin (7-11, 13)	Microtu
Colchicine (5)	Microtubule	0.323	Trichostatin (1-3)	Histone
Griseofulvin (12-13)	Microtubule	0.403	Nocodazole-1 (11-13)	Microtu
Epothilone B (9-11, 13)	Microtubule	0.405	MG132 (10-13)	Protein
. , ,			Nocodazole-2 (7-11, 13)	Microtu
Taxol (6-13)	Microtubule		Vinblastine (4-5)	Microtu
Nocodazole-2 (7-11, 13)	Microtubule	0.457	Sulindac sulfide (13)	Cycloox
Epothilone B (9-11, 13)	Microtubule	0.485	Colchicine (5)	Microtu
Vinblastine (6-13)	Microtubule	0.490	Griseofulvin (12-13)	Microtu
Vinblastine (4-5)	Microtubule	0.576	Nocodazole-1 (6-9)	Microtu
105D (10-12)	Microtubule	0.578	Taxol (4-5)	Microtu
Taxol (4-5)	Microtubule	0.070	Taxor (To)	wholota
Epothilone B (9-11, 13)	Microtubule	0.291	W-7 hydrochloride (13)	Calciur
Sulindac sulfide (13)	Cyclooxygenase	0.305	Cyclosporin A (12-13)	Calciun
Vinblastine (4-5)	Microtubule	0.419	Tunicamycin (9-13)	Vesicle
Colchicine (5)	Microtubule	0.437	Olomucine (8, 13)	Kinase;
Griseofulvin (12-13)	Microtubule	0.514	11N84 (12-13)	Vesicle
Gilseolalviii (12-13)	Microtabale	0.514	Cytochalasin B (12)	Actin
Trichostatin (9-13)	Histone deacetylase		Cytochalasii B (12)	710111
Oxamflatin (11-13)	Histone deacetylase	0.210	WY-14643 (12-13)	Nuclea
Scriptaid-1 (10-12)	Histone deacetylase	0.250	Ibuprofen (13)	Cycloox
Apicidin (10-12)	Histone deacetylase	0.251	Emodin (4)	Kinase
Scriptaid-2 (13)	Histone deacetylase	0.388	Emetine-1 (5-7)	Protein
Deoxynorjrimycin (13)	Vesicle trafficking	0.533	SB203580 (8, 12)	Kinase:
Trichostatin (8)	Histone deacetylase	0.000	Tunicamycin (9-13)	Vesicle
Cytochalasin D (8-13)	Actin	0.560	ramouniyoni (o 10)	V 001010
Scriptaid-1 (10-12)	Histone deacetylase	0.606		
Cytochalasin B (12)	Actin	0.616		
Dexamethasone (8-10, 12-13)	Nuclear receptor	0.626		
Cycloheximide (8, 10-13)	Protein synthesis	0.641		
Trichostatin (1-3)	Histone deacetylase	0.041		
\		0.152		
Podophyllotoxin (7-11, 13)	Microtubule	0.153		
Doxorubicin (7-11)	Topoisomerase	0.299		
Nocodazole-1 (11-13)	Microtubule	0.317		
Vinblastine (6-13)	Microtubule	0.317		
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.465		

d-Profile	Major annotated activity	Similarity
Tunicamycin (9-13)	Vesicle trafficking	
Ibuprofen (13)	Cyclooxygenase	0.285
W-7 hydrochloride (13)	Calcium regulation	0.377
Cyclosporin A (12-13)	Calcium regulation	0.411
11N84 (12-13)	Vesicle trafficking	0.421
Cytochalasin B (12)	Actin	0.427
U0126 (13)	Kinase; MAPK/ERK pwy.	
Oxamflatin (11-13)	Histone deacetylase	0.444
Ibuprofen (13)	Cyclooxygenase	0.444
Tunicamycin (9-13)	Vesicle trafficking	0.451
W-7 hydrochloride (13)	Calcium regulation	0.474
Forskolin (13)	Kinase; PKA	0.480
Vinblastine (6-13)	Microtubule	
Podophyllotoxin (7-11, 13)	Microtubule	0.189
Trichostatin (1-3)	Histone deacetylase	0.317
Nocodazole-1 (11-13)	Microtubule	0.380
MG132 (10-13)	Protein degradation	0.447
Nocodazole-2 (7-11, 13)	Microtubule	0.449
Vinblastine (4-5)	Microtubule	
Sulindac sulfide (13)	Cyclooxygenase	0.267
Colchicine (5)	Microtubule	0.296
Griseofulvin (12-13)	Microtubule	0.407
Nocodazole-1 (6-9)	Microtubule	0.408
Taxol (4-5)	Microtubule	0.419
W-7 hydrochloride (13)	Calcium regulation	
Cyclosporin A (12-13)	Calcium regulation	0.341
Tunicamycin (9-13)	Vesicle trafficking	0.377
Olomucine (8, 13)	Kinase; CDK	0.432
11N84 (12-13)	Vesicle trafficking	0.437
Cytochalasin B (12)	Actin	0.471
Cytochalasiii B (12)	Actin	0.471
WY-14643 (12-13)	Nuclear receptor	
Ibuprofen (13)	Cyclooxygenase	0.441
Emodin (4)	Kinase	0.454
Emetine-1 (5-7)	Protein synthesis	0.461
SB203580 (8, 12)	Kinase; MAPK/p38 pwy.	0.474
Tunicamycin (9-13)	Vesicle trafficking	0.497

Supplementary Data 2b: DNA-p53-cFos Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
105D (11-13)	Microtubule	0.000	Apicidin (11-13)	Histone deacetylase	0.005
Colchicine (6-8)	Microtubule	0.292	Trichostatin (9-13)	Histone deacetylase	0.295
Nocodazole-2 (6-13)	Microtubule	0.350	Scriptaid-1 (13)	Histone deacetylase	0.313
Colchicine (9-13)	Microtubule	0.356	Oligomycin (7-10, 12-13)	Energy metabolism	0.364
Podophyllotoxin (6-7, 9-13)	Microtubule	0.360	Oxamflatin (12-13)	Histone deacetylase	0.365
Dexamethasone (7-8)	Nuclear receptor	0.373	Scriptaid-2 (10-12)	Histone deacetylase	0.413
105D (1-3, 5, 7-9)	Microtubule				
Chelerythrine (1)	Kinase; PKC	0.150	Austocystin (12-13)	Unknown	
Emetine-1 (1, 4, 6)	Protein synthesis	0.157	Didemnin B (8-11)	Protein synthesis	0.084
A23187 free acid (5)	Calcium regulation	0.218	Emetine-1 (8-9, 11-13)	Protein synthesis	0.102
Concentramide (13)	Unknown	0.241	Emetine-2 (7-13)	Protein synthesis	0.107
Olomucine (8)	Kinase; CDK	0.249	11N84 (12-13)	Vesicle trafficking	0.177
(-)			LY294002 (12-13)	Kinase; PI3K pwy.	0.179
11N84 (12-13)	Vesicle trafficking		Austocystin (3)	Unknown	00
LY294002 (12-13)	Kinase; PI3K pwy.	0.148	Olomucine (2-3)	Kinase; CDK	0.315
Austocystin (12-13)	Unknown	0.177	WY-14643 (3)	Nuclear receptor	0.360
Emetine-2 (7-13)	Protein synthesis	0.183	Emetine-2 (6)	Protein synthesis	0.480
` ,	•		` ,	•	
SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.199	Camptothecin (6-9)	Topoisomerase	0.486
Emetine-1 (8-9, 11-13)	Protein synthesis	0.217	PMA (4-7)	Kinase; PKC	0.578
A23187 free acid (5)	Calcium regulation		Brefeldin A (8-13)	Vesicle trafficking	
105D (1-3, 5, 7-9)	Microtubule	0.218	Ceramide (13)	Kinase; PKC	0.070
SC560 (13)	Cyclooxygenase	0.322	LY294002 (12-13)	Kinase; PI3K pwy.	0.130
Olomucine (8)	Kinase; CDK	0.335	Emetine-1 (1, 4, 6)	Protein synthesis	0.134
Niflumic acid (13)	Cyclooxygenase	0.353	SC560 (13)	Cyclooxygenase	0.151
Emetine-1 (1, 4, 6)	Protein synthesis	0.359	Emetine-1 (8-9, 11-13)	Protein synthesis	0.192
Actinomycin D (7-13)	RNA		Camptothecin (10, 12-13)	Topoisomerase	
Puromycin (9-10)	Protein synthesis	0.294	Trichostatin (1-3)	Histone deacetylase	0.299
Staurosporine (8-11, 13)	Kinase	0.371	Trichostatin (9-13)	Histone deacetylase	0.311
Camptothecin (10, 12-13)	Topoisomerase	0.405	Puromycin (9-10)	Protein synthesis	0.318
Cytochalasin B (12-13)	Actin	0.428	Podophyllotoxin (6-7, 9-13)	Microtubule	0.318
MG132 (9-13)	Protein degradation	0.452	Vinblastine (6-8, 10-11, 13)	Microtubule	0.325
Actinomycin D (3, 5-6)	RNA	0.402	Camptothecin (6-9)	Topoisomerase	0.020
Doxorubicin (1, 3, 6)	Topoisomerase	0.459	Olomucine (2-3)	Kinase; CDK	0.464
,	Kinase; CDK	0.439	` ,	Unknown	0.486
Olomucine (2-3)	•		Austocystin (3)		
Concentramide (13)	Unknown	0.497	WY-14643 (3)	Nuclear receptor	0.607
Methotrexate (9-13)	DNA replication	0.524	Etoposide (10-12)	Topoisomerase	0.669
Chelerythrine (1)	Kinase; PKC	0.536	Doxorubicin (8-12)	Topoisomerase	0.678
Alsterpaullone (11-13)	Kinase; CDK		Ceramide (13)	Kinase; PKC	
Camptothecin (10, 12-13)	Topoisomerase	0.334	Brefeldin A (8-13)	Vesicle trafficking	0.070
Roscovitine (13)	Kinase; CDK	0.453	Emetine-1 (8-9, 11-13)	Protein synthesis	0.139
Sulindac sulfide (13)	Cyclooxygenase	0.460	Emetine-1 (1, 4, 6)	Protein synthesis	0.168
MG132 (9-13)	Protein degradation	0.497	LY294002 (12-13)	Kinase; PI3K pwy.	0.100
H89 (13)	Kinase	0.503	Emodin (11-13)	Kinase, Flort pwy.	0.216
1109 (13)	Rilase	0.303	Emodin (11-13)	Milase	0.210
Amanitin (11)	RNA		Chelerythrine (1)	Kinase; PKC	
Emetine-1 (1, 4, 6)	Protein synthesis	0.314	105D (1-3, 5, 7-9)	Microtubule	0.150
Niflumic acid (13)	Cyclooxygenase	0.325	Emetine-1 (1, 4, 6)	Protein synthesis	0.190
105D (1-3, 5, 7-9)	Microtubule	0.330	Concentramide (13)	Unknown	0.217
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.354	Wortmannin (12-13)	Kinase; PI3K pwy.	0.218
SC560 (13)	Cyclooxygenase	0.355	Leupeptine (13)	Protein degradation	0.220
Amanitin (1)	RNA			3	
Chelerythrine (1)	Kinase; PKC	0.254	Ciglitazone (13)	Nuclear receptor	
Zvad (13)	Protein degradation	0.331	Colchicine (6-8)	Microtubule	0.232
Doxorubicin (1, 3, 6)	Topoisomerase	0.344	Nocodazole-2 (6-13)	Microtubule	0.252
PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.357	Oligomycin (7-10, 12-13)	Energy metabolism	0.279
` ,			Nocodazole-3 (10-13)		0.279
Wortmannin (12-13)	Kinase; PI3K pwy.	0.358		Microtubule	
Anisomycin (8-10, 12-13)	Protein synthesis		Nocodazole-1 (7-13)	Microtubule	0.309
Cycloheximide (10-13)	Protein synthesis	0.195	Clozapine (13)	Neurotransmitter	
Okadaic acid (11)	Kinase	0.193	Tunicamycin (9-13)	Vesicle trafficking	0.146
Didemnin B (8-11)	Protein synthesis	0.274	LY294002 (12-13)	Kinase; PI3K pwy.	0.140
, ,	•		,		
Staurosporine (8-11, 13)	Kinase	0.275	Wortmannin (12-13)	Kinase; PI3K pwy.	0.276
Vinblastine (6-8, 10-11, 13)	Microtubule	0.282	Brefeldin A (8-13)	Vesicle trafficking	0.295
Aphidicolin (9-13)	DNA replication		Cyclosporin A (12-13)	Calcium regulation	0.300
Hydroxy urea-2 (12-13)	DNA replication	0.186			
Methotrexate (9-13)	DNA replication	0.180			
Doxorubicin (1, 3, 6)	Topoisomerase	0.247			
Retinoic acid (trans) (12)	Nuclear receptor	0.415			
Emetine-1 (1, 4, 6)	Protein synthesis	0.468 0.496			
	i rotoni syritricolo	0.430			

Supplementary Data 2b: DNA-p53-cFos Marker Set

Documento (9-12)	d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Nacodazole-2 (6-13)	Colchicine (9-13)	Microtubule		Doxorubicin (8-12)	Topoisomerase	
Nacodazole-2 (6-13)	Vinblastine (6-8, 10-11, 13)	Microtubule	0.088	Olomucine (2-3)	Kinase; CDK	0.461
Trichostatin (1-3)		Microtubule	0.091	Nocodazole-1 (1, 5-6)	Microtubule	0.567
Dezamethasone (7-6) Nuclear receptor 0.107 VY-14643 (3) Nuclear receptor 0.578 Confederal (1-5) Confederal (1-5	` ,					
Nacodazole 3 (10-13)	` ,	-				
Colchiellacine (1-5)	• •	•		* *	•	
Concentramide (13)	` ,		0.108	,	•	0.678
Nocodazole-2 (e-13)	1 /			1 /		
1050 (11-13)	. ,	•		` '		
Microlubule	Nocodazole-2 (6-13)	Microtubule		Wortmannin (12-13)		
Nocodazole-1 (7-19) Microtubule 0.380 W/Y-14643 (9, 13) Nuclear receptor 0.227	105D (11-13)	Microtubule	0.292	PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.215
Concentramide (13)	Vinblastine (4-5)	Microtubule	0.378	SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.226
Equippein (13)	Nocodazole-1 (7-13)	Microtubule	0.380	WY-14643 (9, 13)	Nuclear receptor	0.227
WY-14643 (g. 13)	Concentramide (13)				Protein synthesis	
Wortmannin (12-13)	Leupeptine (13)	Protein degradation	0.128	Austocystin (12-13)	Unknown	0.102
Doxontpicin (1, 3, 6) Topoisomerase 0,209 Didemnin B (8-11) Frotein synthesis 0,160 Chelerythrine (1) Kinase; PICK pw. 1,70 Emetine 1 (1, 4, 6) Protein synthesis Cycloheximide (10-13) Protein synthesis 0,195 Refeditin A (8-13) Vesicle trafficking 0,134 Anisomycin (8-10, 12-13) Chincown 0,324 Caramide (13) Caramide (13) Kinase; PICK pw. 0, 168 Caramide (13) Caramide (14) Caram	WY-14643 (9, 13)	Nuclear receptor	0.197	Ceramide (13)	Kinase; PKC	0.139
Doxonubion (1, 3, 6)	* * *	•	0.198	` '		0.158
Cycloheximide (10-13)	` ,			, ,		
Protein synthesis Protein synthesis Capta Protein synthesis Capta	,	•		. ,	-	
Protein synthesis	Chelerythine (1)	Killase, FKC	0.217	· · ·		0.170
Anisomyorin (8-10, 12-13)						
Schplatid-2 (10-12)				* *	9	
Austrocystin (12-13)	, , ,	•				
Staurosporine (8-11, 13)	Scriptaid-2 (10-12)	Histone deacetylase	0.319	SC560 (13)	Cyclooxygenase	0.164
Staurosporine (8-11, 13)	Austocystin (12-13)	Unknown	0.324	Ceramide (13)	Kinase; PKC	0.168
Didemnin B (8-11)	• • • •					
Cyclosporin A (12-13)				21201002 (12 10)	randoo, r forepwy.	0.100
Vortnamnin (12-13)	Didefilling (0-11)	i iotelli syritilesis	0.523	Emotine 2 (7 42)	Dratain ayathaaia	
Wortmannin (12-13)						
PD169316 (11-13)				(- /	,	
Vesicle trafficking	Wortmannin (12-13)	Kinase; PI3K pwy.	0.134	Austocystin (12-13)	Unknown	0.107
Actin Cyclooxygenase 0.238	PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.138	Emetine-1 (8-9, 11-13)	Protein synthesis	0.177
Actin Cyclooxygenase 0.238	Tunicamycin (9-13)	Vesicle trafficking	0.170	11N84 (12-13)		0.183
Vizel (12-13)	• • •	•		, ,	9	
PMA (4-7)	. ,	, , ,		, ,		0.100
Cytochalasin B (12-13) Actin PMA (11-12) Kinase: PKC 0.428 Saurosporin (8-11, 13) Kinase 0.238 WY-14643 (3) Nuclear receptor 0.449 Anisomycin (8-10, 12-13) Protein synthesis 0.340 Austocystin (3) Unknown 0.480 Puromycin (8-10) Protein synthesis 0.343 Emodin (11-13) Kinase 0.480 Latrunculin B (10-13) Actin 0.357 Emetine-1 (8-9, 11-13) Protein synthesis 0.158 Cytochalasin D (10-13) Actin 0.218 Ceramide (13) Kinase 0.185 Latrunculin B (10-13) Actin 0.218 Ceramide (13) Kinase (12-13) Col.16 Nocodazole-1 (1, 5-6) Microtubule 0.359 L/294002 (12-13) Kinase; PKC 0.218 Austocystin (12-13) Junknown 0.399 Epothilone B (10) Microtubule 0.203 Oldermin B (8-11) Protein synthesis 0.639 Epothilone B (10) Microtubule 0.309 Cytochalasin D (8) Actin 0.599 Ferotilone B (10) <	L1294002 (12-13)	Killase, Flak pwy.	0.239			0.276
Salurosporine (8-11, 13)	Out In - In - In - In (4.0.40)	A -4:		, ,		
Anisomycin (8-10, 12-13)				, ,		
Didemmin B (8-11)				* *	•	
Purmycin (9-10)	Anisomycin (8-10, 12-13)	Protein synthesis	0.293	Scriptaid-2 (10-12)	Histone deacetylase	0.474
Latrunculin B (10-13)	Didemnin B (8-11)	Protein synthesis	0.340	Austocystin (3)	Unknown	0.480
Latrunculin B (10-13)	Puromycin (9-10)	Protein synthesis	0.343			
Cytochalasin D (10-13) Actin Emetine-1 (8-9, 11-13) Protein synthesis 0.158 Latrunculin B (10-13) Actin 0.218 Genistein (12-13) Kinase; PIKC 0.216 Nocodazole-1 (1, 5-6) Microtubule 0.359 LY294002 (12-13) Kinase; PIKC 0.243 Obidemin B (8-11) Protein synthesis 0.375 Austocystin (12-13) Unknown 0.230 Austocystin (12-13) Actin 0.399 Epothilone B (10) Microtubule 0.243 Votochalasin D (8) Actin Sulindac sulfide (13) Cyclooxygenase 0.293 Nocodazole-1 (1, 5-6) Microtubule 0.509 Taxol (4-6) Microtubule 0.308 Olomucine (2-3) Kinase; CDK 0.620 Grissofulvin (13) Microtubule 0.503 Okadaic acid (11) Kinase 0.690 Actinomycin D (7-13) RNA 0.537 105D (11-13) Actin 0.716 Didemmin B (8-11) Protein synthesis 0.553 Colchicine (9-13) Microtubule 0.107 Methotrexate (9-13) DNA replication <td>. , ,</td> <td>•</td> <td>0.357</td> <td>Emodin (11-13)</td> <td>Kinase</td> <td></td>	. , ,	•	0.357	Emodin (11-13)	Kinase	
Cytochalasin D (10-13)	24.4.104 2 (10 10)	7.0	0.00.			0.158
Latrunculin B (10-13)	Cutochologia D (10.12)	Actin			•	
Nocodazole-1 (1, 5-6) Microtubule 0.359 LY294002 (12-13) Kinase; PI3K pwy. 0.230			0.010	` ,		
Didemnin B (8-11)	, ,			` '		
Austocystin (12-13)						
Austocystin (12-13)	Didemnin B (8-11)	Protein synthesis	0.375	Austocystin (12-13)	Unknown	0.243
Cytochalasin D (8)	Cytochalasin B (12-13)	Actin	0.390			
Cytochalasin D (8)	Austocystin (12-13)	Unknown	0.399	Epothilone B (10)	Microtubule	
Nocodazole-1 (1, 5-6) Microtubule 0.509 Colomucine (2-3) Kinase; CDK 0.620 Griseofulvin (13) Microtubule 0.503 Microtubule 0.503		Actin		Sulindac sulfide (13)	Cyclooxygenase	0.293
Olomucine (2-3) Kinase; CDK 0.620 Griseofulvin (13) Microtubule 0.503			0.509	` '		
Nacodazole-3 (10-13)	. , ,			` ,		
Discrimination Disc	, ,					
Latrunculin B (10-13)	` ,					
Dexamethasone (7-8) Nuclear receptor Methotrexate (9-13) DNA replication 0.579 Colchicine (9-13) Microtubule 0.107 Aphidicolin (9-13) DNA replication 0.591 Nocodazole-3 (10-13) Microtubule 0.125 Actinomycin D (3, 5-6) RNA 0.598 Nocodazole-1 (7-13) Microtubule 0.138 105D (1-3, 5, 7-9) Microtubule 0.640 Nocodazole-2 (6-13) Microtubule 0.178 Vinblastine (6-8, 10-11, 13) Cyclooxygenase 0.656 Vinblastine (6-8, 10-11, 13) Protein synthesis 0.178 SB202190 (12-13) Kinase; MAPK/p38 pwy. 0.122 Emetine-2 (7-13) Protein synthesis 0.067 11N84 (12-13) Vesicle trafficking 0.219 Emetine-1 (8-9, 11-13) Protein synthesis 0.160 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.231 Latrunculin B (10-13) Actin 0.160 PD169316 (11-13) Kinase; P13K pwy. 0.238 11N84 (12-13) Vesicle trafficking 0.225 Cyclooxygenase 0.095 Rapamycin (13) Kinase; P13K pwy.	* *			Diaemnin B (8-11)	Protein syntnesis	0.553
Methotrexate (9-13) Microtubule 0.107 Aphidicolin (9-13) DNA replication 0.579	Latrunculin B (10-13)	Actin	0.717	Etoposido (10-12)	Tonoisomoroso	
Colchicine (9-13) Microtubule 0.107 Aphidicolin (9-13) DNA replication 0.591 Nocodazole-3 (10-13) Microtubule 0.125 Actinomycin D (3, 5-6) RNA 0.598 Nocodazole-1 (7-13) Microtubule 0.138 105D (1-3, 5, 7-9) Microtubule 0.640 Nocodazole-2 (6-13) Microtubule 0.147 SC560 (13) Cyclooxygenase 0.656 Vinblastine (6-8, 10-11, 13) Microtubule 0.178 Filopodine (12-13) Unknown Emetine-2 (7-13) Protein synthesis 0.067 11N84 (12-13) Vesicle trafficking 0.219 Austocystin (12-13) Unknown 0.084 Emetine-2 (7-13) Protein synthesis 0.219 Emetine-1 (8-9, 11-13) Protein synthesis 0.160 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.231 Latrunculin B (10-13) Actin 0.169 LY294002 (12-13) Kinase; Pl3K pwy. 0.238 11N84 (12-13) Vesicle trafficking 0.225 Cyclooxygenase 0.095 Rapamycin (13) Kinase; Pl3K pwy. 0.12	Dovamethacers (7.0)	Nuclear resenter				0.570
Nocodazole-3 (10-13) Microtubule 0.125 Actinomycin D (3, 5-6) RNA 0.598			0.40=	` ,	•	
Nocodazole-1 (7-13) Microtubule 0.138 105D (1-3, 5, 7-9) Microtubule 0.640	,		0.107	,	•	
Nocodazole-2 (6-13) Microtubule 0.147 SC560 (13) Cyclooxygenase 0.656	Nocodazole-3 (10-13)	Microtubule	0.125	Actinomycin D (3, 5-6)	RNA	0.598
Didemnin B (8-11) Protein synthesis Filopodine (12-13) Unknown Emetine-2 (7-13) Protein synthesis 0.067 11N84 (12-13) Vesicle trafficking 0.219 Austocystin (12-13) Unknown 0.084 Emetine-2 (7-13) Protein synthesis 0.219 Emetine-1 (8-9, 11-13) Protein synthesis 0.160 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.231 Latrunculin B (10-13) Actin 0.169 LY294002 (12-13) Kinase; PI3K pwy. 0.238 11N84 (12-13) Vesicle trafficking 0.225 Genistein (12-13) Kinase; PI3K pwy. 0.095 Rapamycin (13) Kinase; PI3K pwy. 0.121 Monastrol (13) Microtubule 0.157 Emodin (11-13) Emodin (11-13) Kinase 0.185	Nocodazole-1 (7-13)	Microtubule	0.138	105D (1-3, 5, 7-9)	Microtubule	0.640
Didemnin B (8-11) Protein synthesis Filopodine (12-13) Unknown Emetine-2 (7-13) Protein synthesis 0.067 11N84 (12-13) Kinase; MAPK/p38 pwy. 0.122 Austocystin (12-13) Unknown 0.084 Emetine-2 (7-13) Protein synthesis 0.219 Emetine-1 (8-9, 11-13) Protein synthesis 0.160 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.231 Latrunculin B (10-13) Actin 0.169 LY294002 (12-13) Kinase; PI3K pwy. 0.238 11N84 (12-13) Vesicle trafficking 0.225 Genistein (12-13) Kinase 0.095 Ibuprofen (13) Rapamycin (13) Kinase; PI3K pwy. 0.121 Monastrol (13) Microtubule 0.157 Emodin (11-13) Kinase 0.185	Nocodazole-2 (6-13)	Microtubule	0.147	SC560 (13)	Cyclooxygenase	0.656
Didemnin B (8-11) Protein synthesis SB202190 (12-13) Kinase; MAPK/p38 pwy. 0.122	Vinblastine (6-8, 10-11, 13)	Microtubule	0.178	, ,		
Emetine-2 (7-13)	Didomnin D (0.44)	Ductoin avestly!-				0.400
Austocystin (12-13) Unknown 0.084 Emetine-2 (7-13) Protein synthesis 0.219 Emetine-1 (8-9, 11-13) Protein synthesis 0.160 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.231 Latrunculin B (10-13) Actin 0.169 LY294002 (12-13) Kinase; PI3K pwy. 0.238 11N84 (12-13) Vesicle trafficking 0.225 Genistein (12-13) Kinase Ibuprofen (13) Kinase; PI3K pwy. 0.121 Rapamycin (13) Kinase; PI3K pwy. 0.121 Monastrol (13) Microtubule 0.157 Emodin (11-13) Kinase 0.185	` '			` ,	, , , ,	
Emetine-1 (8-9, 11-13)	* *	•		, ,	9	
Latrunculin B (10-13)	Austocystin (12-13)	Unknown	0.084	Emetine-2 (7-13)	Protein synthesis	0.219
Latrunculin B (10-13)	Emetine-1 (8-9, 11-13)	Protein synthesis	0.160	PD169316 (11-13)	Kinase; MAPK/p38 pwv.	0.231
11N84 (12-13) Vesicle trafficking 0.225 Genistein (12-13) Kinase	,	•				
Genistein (12-13) Kinase Ibuprofen (13) Cyclooxygenase 0.095 Rapamycin (13) Kinase; PI3K pwy. 0.121 Monastrol (13) Microtubule 0.157 Emodin (11-13) Kinase 0.185	, ,			2.20.002 (12.10)		0.200
Ibuprofen (13)Cyclooxygenase0.095Rapamycin (13)Kinase; PI3K pwy.0.121Monastrol (13)Microtubule0.157Emodin (11-13)Kinase0.185	111107 (12-13)	vesicie trafficking	0.223	Genistein (12-13)	Kinase	
Rapamycin (13) Kinase; PI3K pwy. 0.121 Monastrol (13) Microtubule 0.157 Emodin (11-13) Kinase 0.185						0.095
Monastrol (13) Microtubule 0.157 Emodin (11-13) Kinase 0.185						
Emodin (11-13) Kinase 0.185						
,				* *		
LY294002 (12-13) Kinase; PI3K pwy. 0.194						
				LY294002 (12-13)	Kinase; PI3K pwy.	0.194

Supplementary Data 2b: DNA-p53-cFos Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Griseofulvin (13)	Microtubule		LY294002 (12-13)	Kinase; PI3K pwy.	
Podophyllotoxin (6-7, 9-13)	Microtubule	0.268	Brefeldin A (8-13)	Vesicle trafficking	0.130
Taxol (7-8)	Microtubule	0.273	11N84 (12-13)	Vesicle trafficking	0.148
Nocodazole-3 (10-13)	Microtubule	0.281	SC560 (13)	Cyclooxygenase	0.153
Colchicine (9-13)	Microtubule	0.291	Tunicamycin (9-13)	Vesicle trafficking	0.163
Trichostatin (1-3)	Histone deacetylase	0.300	Emetine-1 (8-9, 11-13)	Protein synthesis	0.170
Цол (42)	Kinase		Mothetravete (0.12)	DNA replication	
H89 (13) Oxamflatin (12-13)	Histone deacetylase	0.267	Methotrexate (9-13) Emetine-1 (1, 4, 6)	DNA replication Protein synthesis	0.224
Trichostatin (9-13)	Histone deacetylase	0.287	Aphidicolin (9-13)	DNA replication	0.224
, ,	Protein synthesis	0.237	Ceramide (13)	Kinase; PKC	0.247
Anisomycin (8-10, 12-13) Camptothecin (10, 12-13)	Topoisomerase	0.357	Brefeldin A (8-13)	Vesicle trafficking	0.271
Staurosporine (8-11, 13)	Kinase	0.364	Chelerythrine (1)	Kinase; PKC	0.278
. , , ,			, , ,		
Hydroxy urea-1 (13)	DNA replication	0.047	Mevastatin (12)	Cholesterol	0.050
Genistein (12-13)	Kinase	0.217	11N84 (12-13)	Vesicle trafficking	0.256
Ibuprofen (13)	Cyclooxygenase	0.264	LY294002 (12-13)	Kinase; PI3K pwy.	0.262
Rapamycin (13)	Kinase; PI3K pwy.	0.303	Emodin (11-13)	Kinase	0.308
Monastrol (13)	Microtubule	0.318	Genistein (12-13)	Kinase	0.310
Sodium butyrate (13)	Histone deacetylase	0.341	Cycloheximide (10-13)	Protein synthesis	0.345
Hydroxy urea-2 (12-13)	DNA replication		MG132 (9-13)	Protein degradation	
Aphidicolin (9-13)	DNA replication	0.186	Vinblastine (6-8, 10-11, 13)	Microtubule	0.313
Methotrexate (9-13)	DNA replication	0.364	Nocodazole-3 (10-13)	Microtubule	0.316
Hydroxy urea-1 (13)	DNA replication	0.541	Trichostatin (9-13)	Histone deacetylase	0.331
Doxorubicin (1, 3, 6)	Topoisomerase	0.555	Dexamethasone (7-8)	Nuclear receptor	0.335
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.575	Trichostatin (1-3)	Histone deacetylase	0.341
00120 (12 13)	randoc, with to Erar pwy.	0.070	monostatiii (1 3)	Thistoric dedectylase	0.041
Ibuprofen (13)	Cyclooxygenase		Monastrol (13)	Microtubule	
Genistein (12-13)	Kinase	0.095	Genistein (12-13)	Kinase	0.157
Rapamycin (13)	Kinase; PI3K pwy.	0.176	Rapamycin (13)	Kinase; PI3K pwy.	0.169
Emetine-1 (1, 4, 6)	Protein synthesis	0.248	Emetine-2 (7-13)	Protein synthesis	0.215
Sodium butyrate (13)	Histone deacetylase	0.251	11N84 (12-13)	Vesicle trafficking	0.234
Monastrol (13)	Microtubule	0.263	Austocystin (12-13)	Unknown	0.247
Indiguhin manayima (12.12)	Kinasa, CDK		Niflumia agid (12)	Cyclopyygonogo	
Indirubin monoxime (12-13) 11N84 (12-13)	Kinase; CDK Vesicle trafficking	0.219	Niflumic acid (13) SC560 (13)	Cyclooxygenase Cyclooxygenase	0.167
Emetine-2 (7-13)	Protein synthesis	0.245	Olomucine (8)	Kinase; CDK	0.204
SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.262	Emetine-1 (1, 4, 6)	Protein synthesis	0.221
W-7 hydrochloride (12-13)	Calcium regulation	0.266	105D (1-3, 5, 7-9)	Microtubule	0.284
Tunicamycin (9-13)	Vesicle trafficking	0.296	ICRF193 (13)	Topoisomerase	0.318
, ,	· ·		. ,	•	
Indomethacin (13) Griseofulvin (13)	Cyclooxygenase Microtubule	0.307	Nocodazole-1 (7-13) Nocodazole-2 (6-13)	Microtubule Microtubule	0.107
Nocodazole-3 (10-13)	Microtubule	0.334	Colchicine (9-13)	Microtubule	0.107
` '					
Podophyllotoxin (6-7, 9-13)	Microtubule	0.341	Nocodazole-3 (10-13)	Microtubule	0.122
Nocodazole-2 (6-13)	Microtubule	0.341	Dexamethasone (7-8)	Nuclear receptor	0.138
Trichostatin (1-3)	Histone deacetylase	0.343	Vinblastine (6-8, 10-11, 13)	Microtubule	0.159
1	A		Nocodazole-1 (1, 5-6)	Microtubule	0.005
Jasplakinolide (12-13)	Actin	0.040	Latrunculin B (10-13)	Actin	0.285
Latrunculin B (10-13)	Actin	0.318	Olomucine (2-3)	Kinase; CDK	0.296
Tunicamycin (9-13)	Vesicle trafficking	0.386	Doxorubicin (1, 3, 6)	Topoisomerase	0.318
Indirubin monoxime (12-13)	Kinase; CDK	0.407	Didemnin B (8-11)	Protein synthesis	0.342
Clozapine (13)	Neurotransmitter	0.410	Monastrol (13)	Microtubule	0.349
Trichostatin (9-13)	Histone deacetylase	0.416	Nocodazole-2 (6-13)	Microtubule	
Lactacystin (13)	Protein degradation		Nocodazole-3 (10-13)	Microtubule	0.085
Genistein (12-13)	Kinase	0.288	Colchicine (9-13)	Microtubule	0.091
Emetine-2 (7-13)	Protein synthesis	0.295	Nocodazole-1 (7-13)	Microtubule	0.107
Monastrol (13)	Microtubule	0.295	Vinblastine (6-8, 10-11, 13)	Microtubule	0.136
Rapamycin (13)	Kinase; PI3K pwy.	0.310	Dexamethasone (7-8)	Nuclear receptor	0.147
Indirubin monoxime (12-13)	Kinase; CDK	0.312	Boxamounacene (1 c)	radioal roooptor	0.111
			Nocodazole-3 (10-13)	Microtubule	
Latrunculin B (10-13)	Actin		Nocodazole-2 (6-13)	Microtubule	0.085
Didemnin B (8-11)	Protein synthesis	0.169	Colchicine (9-13)	Microtubule	0.108
Emetine-2 (7-13)	Protein synthesis	0.186	Nocodazole-1 (7-13)	Microtubule	0.122
Austocystin (12-13)	Unknown	0.204	Dexamethasone (7-8)	Nuclear receptor	0.125
Cytochalasin D (10-13)	Actin	0.218	Vinblastine (6-8, 10-11, 13)	Microtubule	0.134
LY294002 (12-13)	Kinase; PI3K pwy.	0.268	Okadaje acid (11)	Kinase	
Leupeptine (13)	Protein degradation		Okadaic acid (11) Anisomycin (8-10, 12-13)	Kinase Protein synthesis	0.261
Concentramide (13)	Unknown	0.128	Podophyllotoxin (6-7, 9-13)	Microtubule	0.298
Zvad (13)	Protein degradation	0.163	Trichostatin (1-3)	Histone deacetylase	0.327
Chelerythrine (1)	Kinase; PKC	0.220	Puromycin (9-10)	Protein synthesis	0.335
Rapamycin (13)	Kinase; PI3K pwy.	0.224	Nocodazole-3 (10-13)	Microtubule	0.348
WY-14643 (9, 13)	Nuclear receptor	0.230			2.0.0

Supplementary Data 2b: DNA-p53-cFos Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Oligomycin (7-10, 12-13)	Energy metabolism		Retinoic acid (trans) (12)	Nuclear receptor	
Ciglitazone (13)	Nuclear receptor	0.279	WY-14643 (9, 13)	Nuclear receptor	0.283
Nocodazole-3 (10-13)	Microtubule	0.295	Leupeptine (13)	Protein degradation	0.285
Nocodazole-2 (6-13)	Microtubule	0.317	Ibuprofen (13)	Cyclooxygenase	0.318
Nocodazole-1 (7-13)	Microtubule	0.321	Emetine-1 (1, 4, 6)	Protein synthesis	0.331
Dexamethasone (7-8)	Nuclear receptor	0.358	Concentramide (13)	Unknown	0.341
Oxamflatin (12-13)	Histone deacetylase		Roscovitine (13)	Kinase; CDK	
Trichostatin (9-13)	Histone deacetylase	0.195	Camptothecin (10, 12-13)	Topoisomerase	0.375
Podophyllotoxin (6-7, 9-13)	Microtubule	0.228	H89 (13)	Kinase	0.443
Colchicine (9-13)	Microtubule	0.236	Alsterpaullone (11-13)	Kinase; CDK	0.453
Vinblastine (6-8, 10-11, 13)	Microtubule	0.256	Puromycin (9-10)	Protein synthesis	0.475
Nocodazole-2 (6-13)	Microtubule	0.261	Actinomycin D (7-13)	RNA	0.480
Olomucine (8)	Kinase; CDK		ICRF193 (13)	Topoisomerase	
Niflumic acid (13)	Cyclooxygenase	0.204	Sodium butyrate (13)	Histone deacetylase	0.131
105D (1-3, 5, 7-9)	Microtubule	0.249	Ibuprofen (13)	Cyclooxygenase	0.301
Emetine-1 (1, 4, 6)	Protein synthesis	0.258	Emodin (11-13)	Kinase	0.303
SC560 (13)	Cyclooxygenase	0.302	Genistein (12-13)	Kinase	0.314
Chelerythrine (1)	Kinase; PKC	0.315	Niflumic acid (13)	Cyclooxygenase	0.318
Olomucine (2-3)	Kinase; CDK		` ,	, ,,	
WY-14643 (3)	Nuclear receptor	0.186	SB202190 (12-13)	Kinase; MAPK/p38 pwy.	
Nocodazole-1 (1, 5-6)	Microtubule	0.296	Filopodine (12-13)	Unknown	0.122
Austocystin (3)	Unknown	0.315	11N84 (12-13)	Vesicle trafficking	0.199
Doxorubicin (1, 3, 6)	Topoisomerase	0.444	SB203580 (13)	Kinase; MAPK/p38 pwy.	0.211
Doxorubicin (8-12)	Topoisomerase	0.461	LY294002 (12-13)	Kinase; PI3K pwy.	0.216
DOXOTUDIONT (O 12)	Topoloomerado	0.101	Emetine-2 (7-13)	Protein synthesis	0.218
PD169316 (11-13)	Kinase; MAPK/p38 pwy.		Linetine-2 (7-13)	i iotem synthesis	0.210
Wortmannin (12-13)	Kinase; PI3K pwy.	0.075	SB203580 (13)	Kinase; MAPK/p38 pwy.	
Cyclosporin À (12-13)	Calcium regulation	0.138	SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.211
Tunicamycin (9-13)	Vesicle trafficking	0.161	11N84 (12-13)	Vesicle trafficking	0.231
W-7 hydrochloride (12-13)	Calcium regulation	0.181	Monastrol (13)	Microtubule	0.256
LY294002 (12-13)	Kinase; PI3K pwy.	0.214	Emetine-2 (7-13)	Protein synthesis	0.266
2.20.002 (.2.10)	·	0.2	Austocystin (12-13)	Unknown	0.277
PMA (11-12)	Kinase; PKC	0.004	00500 (40)	0	
Emetine-1 (1, 4, 6)	Protein synthesis	0.384	SC560 (13)	Cyclooxygenase	0.454
Methotrexate (9-13)	DNA replication	0.403	Brefeldin A (8-13)	Vesicle trafficking	0.151
Brefeldin A (8-13)	Vesicle trafficking	0.410	LY294002 (12-13)	Kinase; PI3K pwy.	0.153
W-7 hydrochloride (12-13)	Calcium regulation	0.418	Emetine-1 (1, 4, 6)	Protein synthesis	0.164
Emetine-2 (6)	Protein synthesis	0.428	Niflumic acid (13)	Cyclooxygenase	0.167
PMA (4-7) Emetine-2 (6)	Kinase; PKC Protein synthesis	0.376	W-7 hydrochloride (12-13)	Calcium regulation	0.219
Austocystin (3)	Unknown	0.578	Scriptaid-1 (13)	Historia doscatylasa	
			Scriptaid-1 (13)	Histone deacetylase	0.313
Olomucine (8)	Kinase; CDK	0.618	Apicidin (11-13)	Histone deacetylase	
WY-14643 (3)	Nuclear receptor	0.664	Brefeldin A (8-13)	Vesicle trafficking	0.379
Scriptaid-2 (10-12)	Histone deacetylase	0.707	SC560 (13)	Cyclooxygenase	0.406
			Oxamflatin (12-13)	Histone deacetylase	0.410
Podophyllotoxin (6-7, 9-13)	Microtubule		Niflumic acid (13)	Cyclooxygenase	0.432
Vinblastine (6-8, 10-11, 13)	Microtubule	0.094			
Trichostatin (1-3)	Histone deacetylase	0.102	Scriptaid-2 (10-12)	Histone deacetylase	
Colchicine (9-13)	Microtubule	0.112	Didemnin B (8-11)	Protein synthesis	0.261
Nocodazole-2 (6-13)	Microtubule	0.156	Nocodazole-1 (7-13)	Microtubule	0.300
Nocodazole-1 (7-13)	Microtubule	0.160	Emodin (11-13)	Kinase	0.303
			Emetine-2 (7-13)	Protein synthesis	0.304
Puromycin (9-10)	Protein synthesis		Cycloheximide (10-13)	Protein synthesis	0.319
Staurosporine (8-11, 13)	Kinase	0.227			
Anisomycin (8-10, 12-13)	Protein synthesis	0.287	Sodium butyrate (13)	Histone deacetylase	
Actinomycin D (7-13)	RNA	0.294	ICRF193 (13)	Topoisomerase	0.131
Camptothecin (10, 12-13)	Topoisomerase	0.318	Ibuprofen (13)	Cyclooxygenase	0.251
Nocodazole-3 (10-13)	Microtubule	0.320	Genistein (12-13)	Kinase	0.313
, ,			Hydroxy urea-1 (13)	DNA replication	0.341
Purvalanol A (13)	Kinase; CDK		Niflumic acid (13)	Cyclooxygenase	0.348
Trichostatin (9-13)	Histone deacetylase	0.257			
Vinblastine (6-8, 10-11, 13)	Microtubule	0.259	Staurosporine (8-11, 13)	Kinase	
Nocodazole-2 (6-13)	Microtubule	0.274	Puromycin (9-10)	Protein synthesis	0.227
Colchicine (9-13)	Microtubule	0.276	Cytochalasin B (12-13)	Actin	0.228
Taxol (7-8)	Microtubule	0.301	Anisomycin (8-10, 12-13)	Protein synthesis	0.275
•			Nocodazole-3 (10-13)	Microtubule	0.275
Rapamycin (13)	Kinase; PI3K pwy.		Vinblastine (6-8, 10-11, 13)	Microtubule	0.277
Genistein (12-13)	Kinase	0.121	Culinda	Oveleconomic	
Monastrol (13)	Microtubule	0.169	Sulindac sulfide (13)	Cyclooxygenase	
Ibuprofen (13)	Cyclooxygenase	0.176	Epothilone B (10)	Microtubule	0.293
Zvad (13)	Protein degradation	0.182	Griseofulvin (13)	Microtubule	0.390
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.201	Staurosporine (8-11, 13)	Kinase	0.427
			H89 (13)	Kinase	0.433
			Taxol (4-6)	Microtubule	0.443

Supplementary Data 2b: DNA-p53-cFos Marker Set

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Taxol (7-8)	Microtubule		Vinblastine (6-8, 10-11, 13)	Microtubule	
Podophyllotoxin (6-7, 9-13)	Microtubule	0.186	Colchicine (9-13)	Microtubule	0.088
Vinblastine (6-8, 10-11, 13)	Microtubule	0.238	Podophyllotoxin (6-7, 9-13)	Microtubule	0.094
Colchicine (9-13)	Microtubule	0.241	Trichostatin (1-3)	Histone deacetylase	0.115
Trichostatin (1-3)	Histone deacetylase	0.241	Nocodazole-3 (10-13)	Microtubule	0.134
Griseofulvin (13)	Microtubule	0.273	Nocodazole-2 (6-13)	Microtubule	0.136
Taxol (4-6)	Microtubule		Vinblastine (4-5)	Microtubule	
Vinblastine (4-5)	Microtubule	0.296	Taxol (4-6)	Microtubule	0.296
Epothilone B (10)	Microtubule	0.308	Nocodazole-2 (6-13)	Microtubule	0.377
Nocodazole-2 (6-13)	Microtubule	0.422	Colchicine (6-8)	Microtubule	0.378
Nocodazole-3 (10-13)	Microtubule	0.434	Nocodazole-3 (10-13)	Microtubule	0.431
Sulindac sulfide (13)	Cyclooxygenase	0.443	Oligomycin (7-10, 12-13)	Energy metabolism	0.500
Trichostatin (9-13)	Histone deacetylase		W-7 hydrochloride (12-13)	Calcium regulation	
Vinblastine (6-8, 10-11, 13)	Microtubule	0.189	Wortmannin (12-13)	Kinase; PI3K pwy.	0.170
Oxamflatin (12-13)	Histone deacetylase	0.195	PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.181
Colchicine (9-13)	Microtubule	0.233	Emetine-1 (1, 4, 6)	Protein synthesis	0.187
Podophyllotoxin (6-7, 9-13)	Microtubule	0.245	Tunicamycin (9-13)	Vesicle trafficking	0.208
Purvalanol A (13)	Kinase; CDK	0.257	LY294002 (12-13)	Kinase; PI3K pwy.	0.217
Trichostatin (8)	Histone deacetylase		, ,		
Cytochalasin D (10-13)	Actin	0.585	Wortmannin (12-13)	Kinase; PI3K pwy.	
Scriptaid-2 (10-12)	Histone deacetylase	0.594	PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.075
Tunicamycin (9-13)	Vesicle trafficking	0.615	Cyclosporin A (12-13)	Calcium regulation	0.134
Emetine-2 (6)	Protein synthesis	0.627	WY-14643 (9, 13)	Nuclear receptor	0.147
Apicidin (11-13)	Histone deacetylase	0.643	Tunicamycin (9-13)	Vesicle trafficking	0.152
Trichostatin (1-3)	Histone deacetylase		W-7 hydrochloride (12-13)	Calcium regulation	0.170
Colchicine (9-13)	Microtubule	0.100			
Podophyllotoxin (6-7, 9-13)	Microtubule	0.102	WY-14643 (9, 13)	Nuclear receptor	
Vinblastine (6-8, 10-11, 13)	Microtubule	0.115	Wortmannin (12-13)	Kinase; PI3K pwy.	0.147
Nocodazole-2 (6-13)	Microtubule	0.174	Concentramide (13)	Unknown	0.197
Nocodazole-3 (10-13)	Microtubule	0.205	Tunicamycin (9-13)	Vesicle trafficking	0.211
			Doxorubicin (1, 3, 6)	Topoisomerase	0.227
Tunicamycin (9-13)	Vesicle trafficking		Leupeptine (13)	Protein degradation	0.230
Clozapine (13)	Neurotransmitter	0.146	WY-14643 (3)	Nuclear receptor	
Wortmannin (12-13)	Kinase; PI3K pwy.	0.152	Olomucine (2-3)	Kinase; CDK	0.186
PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.161	Austocystin (3)	Unknown	0.360
LY294002 (12-13)	Kinase; PI3K pwy.	0.163	Nocodazole-1 (1, 5-6)	Microtubule	0.376
Cyclosporin A (12-13)	Calcium regulation	0.170	Doxorubicin (1, 3, 6)	Topoisomerase	0.408
			Emetine-2 (6)	Protein synthesis	0.449
U0126 (12-13)	Kinase; MAPK/ERK pwy				
Tunicamycin (9-13)	Vesicle trafficking	0.174	Zvad (13)	Protein degradation	
Rapamycin (13)	Kinase; PI3K pwy.	0.201	Leupeptine (13)	Protein degradation	0.163
Wortmannin (12-13)	Kinase; PI3K pwy.	0.257	Rapamycin (13)	Kinase; PI3K pwy.	0.182
W-7 hydrochloride (12-13)	Calcium regulation	0.259	Concentramide (13)	Unknown	0.218
Genistein (12-13)	Kinase	0.268	Genistein (12-13)	Kinase	0.236
			Monastrol (13)	Microtubule	0.257

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
105D (10)	Microtubule		Aphidicolin (9-13)	DNA replication	
Colchicine (4-6)	Microtubule	0.182	Methotrexate (9-13)	DNA replication	0.323
Griseofulvin (12-13)	Microtubule	0.225	Austocystin (11-12)	Unknown	0.339
Nocodazole-1 (8-9, 11-12)	Microtubule	0.276	Hydroxy urea-2 (12-13)	DNA replication	0.356
Nocodazole-3 (10-13)	Microtubule	0.277	Doxorubicin (9-10)	Topoisomerase	0.427
Nocodazole-2 (6-13)	Microtubule	0.281	Etoposide (10, 13)	Topoisomerase	0.438
11N84 (13)	Vesicle trafficking		Apicidin (9-13)	Histone deacetylase	
Brefeldin A (7-13)	Vesicle trafficking	0.110	Oxamflatin (10-13)	Histone deacetylase	0.073
Cytochalasin B (11-13)	Actin	0.110	Trichostatin (8-13)	Histone deacetylase	0.106
Cycloheximide (7-13)	Protein synthesis	0.117	Actinomycin D (4-7)	RNA	0.136
Scriptaid-1 (11-13)	Histone deacetylase	0.123	Scriptaid-1 (11-13)	Histone deacetylase	0.140
Trichostatin (8-13)	Histone deacetylase	0.155	Cytochalasin B (11-13)	Actin	0.154
8-bromo-cAMP (13)	Kinase; PKA		Austocystin (11-12)	Unknown	
Hydroxy urea-2 (12-13)	DNA replication	0.623	Methotrexate (9-13)	DNA replication	0.267
SC560 (12-13)	Cyclooxygenase	0.735	Aphidicolin (9-13)	DNA replication	0.339
Fluoxetine (13)	Neurotransmitter	0.742	Etoposide (10, 13)	Topoisomerase	0.353
Emodin (13)	Kinase	0.786	Camptothecin (5-8)	Topoisomerase	0.459
Actinomycin D (8-13)	RNA	0.789	Hydroxy urea-2 (12-13)	DNA replication	0.465
Additionly out D (0 10)		0.703	Trydroxy dica 2 (12 10)	Divitiophoalon	0.400
Actinomycin D (8-13)	RNA		Brefeldin A (7-13)	Vesicle trafficking	
Didemnin B (8-11)	Protein synthesis	0.051	Scriptaid-1 (11-13)	Histone deacetylase	0.071
Emetine-2 (8-13)	Protein synthesis	0.067	Cyclosporin A (12-13)	Calcium regulation	0.073
Puromycin (9-10)	Protein synthesis	0.100	Cycloheximide (7-13)	Protein synthesis	0.086
Indirubin monoxime (12-13)	Kinase; CDK	0.111	Actinomycin D (4-7)	RNA	0.102
Purvalanol A (12-13)	Kinase; CDK	0.113	Trichostatin (8-13)	Histone deacetylase	0.104
Actinomycin D (4-7)	RNA		(5.10)		
Scriptaid-1 (11-13)	Histone deacetylase	0.083	Camptothecin (9-13)	Topoisomerase	
Trichostatin (8-13)	Histone deacetylase	0.084	Anisomycin (8-13)	Protein synthesis	0.085
Doxorubicin (5-8)	Topoisomerase	0.088	Emetine-2 (8-13)	Protein synthesis	0.104
Brefeldin A (7-13)	Vesicle trafficking	0.102	Alsterpaullone (10-13)	Kinase; CDK	0.138
* *	· ·				
Cyclosporin A (12-13)	Calcium regulation	0.132	ALLN (12-13)	Protein degradation	0.164
			Actinomycin D (4-7)	RNA .	0.173
ALLN (12-13)	Protein degradation		Camptothecin (5-8)	Topoisomerase	
Camptothecin (9-13)	Topoisomerase	0.164	Etoposide (10, 13)	Topoisomerase	0.206
Brefeldin A (7-13)	Vesicle trafficking	0.177	Doxorubicin (5-8)	Topoisomerase	0.297
Emodin (13)	Kinase	0.195	Anisomycin (7)	Protein synthesis	0.305
Alsterpaullone (10-13)	Kinase; CDK	0.201	Actinomycin D (4-7)	RNA	0.306
Actinomycin D (4-7)	RNA	0.216	Oligomycin (6-13)	Energy metabolism	0.333
, ,			Camptothecin (4)	Topoisomerase	
Alsterpaulione (10-13)	Kinase; CDK		Colchicine (4-6)	Microtubule	0.392
Emodin (13)	Kinase	0.137	ICRF193 (10-13)	Topoisomerase	0.508
Camptothecin (9-13)	Topoisomerase	0.138	105D (10)	Microtubule	0.519
Scriptaid-1 (11-13)	Histone deacetylase	0.180	Cytochalasin D (5-6)	Actin	0.602
Brefeldin A (7-13)	Vesicle trafficking	0.184	Griseofulvin (12-13)	Microtubule	0.606
W-7 hydrochloride (13)	Calcium regulation	0.187	0.1000.4.1 (12.10)		0.000
			Ceramide (13)	Kinase; PKC	
Amanitin (12-13)	RNA		Brefeldin A (7-13)	Vesicle trafficking	0.263
Rapamycin (12-13)	Kinase; PI3K pwy.	0.112	Cytochalasin B (11-13)	Actin	0.268
Concentramide (1, 4-5)	Unknown	0.128	Actinomycin D (4-7)	RNA	0.309
Wortmannin (13)	Kinase; PI3K pwy.	0.133	ALLN (12-13)	Protein degradation	0.317
LY294002 (13)	Kinase; PI3K pwy.	0.147	Trichostatin (8-13)	Histone deacetylase	0.323
Concentramide (8, 13)	Unknown	0.148	,	•	
Amanitin (8)	RNA		Chloropromazine (12)	Neurotransmitter	
Concentramide (8, 13)	Unknown	0.455	Trifluoperazine (12)	Neurotransmitter	0.201
WY-14643 (13)	Nuclear receptor	0.512	Clozapine (13)	Neurotransmitter	0.212
Concentramide (1, 4-5)	Unknown	0.514	Concentramide (8, 13)	Unknown	0.335
Doxorubicin (5-8)	Topoisomerase	0.559	Cytochalasin B (1)	Actin	0.343
SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.569	SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.360
Anicomycin (0.40)	Destain avetterete		Claranina (42)	Na	
Anisomycin (8-13)	Protein synthesis	0.005	Clozapine (13)	Neurotransmitter	0.440
Camptothecin (9-13)	Topoisomerase	0.085	SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.142
Emetine-2 (8-13)	Protein synthesis	0.094	Concentramide (8, 13)	Unknown	0.168
Emetine-1 (8, 11)	Protein synthesis	0.138	Concentramide (1, 4-5)	Unknown	0.173
Didemnin B (8-11)	Protein synthesis	0.141	Cycloheximide (7-13)	Protein synthesis	0.179
Actinomycin D (8-13)	RNA	0.156	Cytochalasin B (1)	Actin	0.183
Anisomycin (7)	Protein synthesis				
Latrunculin B (10-13)	Actin	0.263			
Trichostatin (8-13)	Histone deacetylase	0.267			
Cycloheximide (7-13)	Protein synthesis	0.267			
W-7 hydrochloride (13)	Calcium regulation	0.274			
Oligomycin (6-13)	Energy metabolism	0.287			
9, (0 .0)	3,				

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Colchicine (7-13)	Microtubule	0.404	Didemnin B (8-11)	Protein synthesis	0.054
Dexamethasone (6-7)	Nuclear receptor	0.101	Actinomycin D (8-13)	RNA	0.051
Nocodazole-2 (6-13)	Microtubule	0.113	Emetine-2 (8-13)	Protein synthesis	0.085
Podophyllotoxin (6-13)	Microtubule	0.136	Puromycin (9-10)	Protein synthesis	0.094
Nocodazole-1 (8-9, 11-12)	Microtubule	0.171	Purvalanol A (12-13)	Kinase; CDK	0.135
Trichostatin (1, 3)	Histone deacetylase	0.188	Anisomycin (8-13)	Protein synthesis	0.141
Colchicine (4-6)	Microtubule		Didemnin B (6-7)	Protein synthesis	
105D (10)	Microtubule	0.182	Emetine-2 (6)	Protein synthesis	0.303
Griseofulvin (12-13)	Microtubule	0.183	Anisomycin (7)	Protein synthesis	0.308
Nocodazole-3 (10-13)	Microtubule	0.322	Etoposide (10, 13)	Topoisomerase	0.407
ICRF193 (10-13)	Topoisomerase	0.324	SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.410
Cytochalasin D (5-6)	Actin	0.365	W-7 hydrochloride (13)	Calcium regulation	0.412
Cytochalasin D (3-0)		0.505	. ,	U	0.412
Concentramide (8, 13)	Unknown		Doxorubicin (9-10)	Topoisomerase	
WY-14643 (13)	Nuclear receptor	0.067	Okadaic acid (10-11)	Kinase	0.272
Scriptaid-2 (11-12)	Histone deacetylase	0.107	Aphidicolin (9-13)	DNA replication	0.427
Cycloheximide (7-13)	Protein synthesis	0.115	Hydroxy urea-2 (12-13)	DNA replication	0.612
SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.135	MG132 (11-13)	Protein degradation	0.630
Amanitin (12-13)	RNA	0.148	Etoposide (10, 13)	Topoisomerase	0.743
Concentramide (1, 4-5)	Unknown	0.110	Doxorubicin (5-8)	Topoisomerase	0.7 10
		0.030		RNA	0.088
WY-14643 (13)	Nuclear receptor		Actinomycin D (4-7)		
Cycloheximide (7-13)	Protein synthesis	0.070	Scriptaid-1 (11-13)	Histone deacetylase	0.214
Scriptaid-2 (11-12)	Histone deacetylase	0.081	Trichostatin (8-13)	Histone deacetylase	0.222
SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.091	Apicidin (9-13)	Histone deacetylase	0.234
Cytochalasin B (1)	Actin	0.108	Oxamflatin (10-13)	Histone deacetylase	0.236
Cycloheximide (7-13)	Protein synthesis		Emetine-1 (8, 11)	Protein synthesis	
Concentramide (1, 4-5)	Unknown	0.070	Anisomycin (8-13)	Protein synthesis	0.138
Cyclosporin A (12-13)	Calcium regulation	0.072	Camptothecin (9-13)	Topoisomerase	0.184
WY-14643 (13)	Nuclear receptor	0.081	Emodin (13)	Kinase	0.207
Brefeldin A (7-13)	Vesicle trafficking	0.086	Emetine-2 (8-13)	Protein synthesis	0.237
W-7 hydrochloride (13)	Calcium regulation	0.086	11N84 (13)	Vesicle trafficking	0.239
W-7 Hydrodillolide (13)	Calcium regulation	0.000	11104 (13)	vesicle transcring	0.233
Cyclosporin A (12-13)	Calcium regulation		Emetine-2 (8-13)	Protein synthesis	
Cycloheximide (7-13)	Protein synthesis	0.072	Actinomycin D (8-13)	RNA	0.067
Brefeldin A (7-13)	Vesicle trafficking	0.073	Purvalanol A (12-13)	Kinase; CDK	0.074
Scriptaid-1 (11-13)	Histone deacetylase	0.111	Didemnin B (8-11)	Protein synthesis	0.085
W-7 hydrochloride (13)	Calcium regulation	0.124	Anisomycin (8-13)	Protein synthesis	0.094
	S .	0.124	• • •	-	0.034
Trichostatin (8-13)	Histone deacetylase	0.131	Camptothecin (9-13)	Topoisomerase	0.104
			Emetine-2 (6)	Protein synthesis	
Cytochalasin B (11-13)	Actin		Anisomycin (7)	Protein synthesis	0.297
Trichostatin (8-13)	Histone deacetylase	0.066	Didemnin B (6-7)	Protein synthesis	0.303
Scriptaid-1 (11-13)	Histone deacetylase	0.100	Oligomycin (6-13)	Energy metabolism	0.350
11N84 (13)	Vesicle trafficking	0.110	SB203580 (7)	Kinase; MAPK/p38 pwy.	0.440
Brefeldin A (7-13)	Vesicle trafficking	0.112	W-7 hydrochloride (13)	Calcium regulation	0.440
Actinomycin D (4-7)	RNA	0.142	,,		
Cytochalasin B (1)	Actin	0.112	Emodin (13)	Kinase	
		0.100		Kinase; CDK	0.137
Concentramide (1, 4-5)	Unknown	0.108	Alsterpaullone (10-13)	•	
WY-14643 (13)	Nuclear receptor	0.110	ALLN (12-13)	Protein degradation	0.195
Cycloheximide (7-13)	Protein synthesis	0.119	Emetine-1 (8, 11)	Protein synthesis	0.207
LY294002 (13)	Kinase; PI3K pwy.	0.120	Camptothecin (9-13)	Topoisomerase	0.229
SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.125	11N84 (13)	Vesicle trafficking	0.233
Cytochalasin D (7-13)	Actin		Epothilone B (9-10, 12-13)	Microtubule	
Mevastatin (13)	Cholesterol	0.143	Sulindac sulfide (11, 13)	Cyclooxygenase	0.191
Latrunculin B (10-13)	Actin	0.190	Taxol (4-5)	Microtubule	0.419
Simavastatin (12-13)	Cholesterol	0.205	Griseofulvin (12-13)	Microtubule	0.770
ICRF193 (10-13)	Topoisomerase	0.319	PMA (5-7)	Kinase; PKC	0.793
Oligomycin (6-13)	· ·		MG132 (11-13)	Protein degradation	0.733
	Energy metabolism	0.325	WG 132 (11-13)	Fiotelli degradation	0.027
Cytochalasin D (5-6) 105D (10)	Actin Microtubule	0.333	Etoposide (10, 13)	Topoisomerase	
Colchicine (4-6)	Microtubule	0.365	Camptothecin (5-8)	Topoisomerase	0.206
` '			Actinomycin D (4-7)	RNA	
Nocodazole-2 (6-13)	Microtubule	0.481	, ,		0.319
ICRF193 (10-13)	Topoisomerase	0.481	Doxorubicin (5-8)	Topoisomerase	0.319
Nocodazole-1 (8-9, 11-12)	Microtubule	0.493	Austocystin (11-12) Oxamflatin (10-13)	Unknown Histone deacetylase	0.353 0.356
Dexamethasone (6-7)	Nuclear receptor		, ,	i iistorio dodoctylase	0.000
Colchicine (7-13)	Microtubule	0.101	Filopodine (12-13)	Unknown	
Nocodazole-2 (6-13)	Microtubule	0.152	Scriptaid-2 (11-12)	Histone deacetylase	0.114
Podophyllotoxin (6-13)	Microtubule	0.174	Cyclosporin A (12-13)	Calcium regulation	0.150
Nocodazole-1 (8-9, 11-12)	Microtubule	0.191	PD98059 (13)	Kinase; MAPK/ERK pwy.	0.166
Trichostatin (1, 3)	Histone deacetylase	0.224	Concentramide (1, 4-5)	Unknown	0.189
11101103tatii1 (1, 3)	riisione deacetylase	U.22 T	Scriptaid-1 (11-13)	Histone deacetylase	0.189

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Fluoxetine (13)	Neurotransmitter		MG132 (11-13)	Protein degradation	
Indirubin monoxime (12-13)	Kinase; CDK	0.111	ALLN (12-13)	Protein degradation	0.255
Actinomycin D (8-13)	RNA	0.118	Staurosporine (8-10)	Kinase	0.341
Purvalanol A (12-13)	Kinase; CDK	0.189	Actinomycin D (4-7)	RNA	0.364
Didemnin B (8-11)	Protein synthesis	0.190	Camptothecin (9-13)	Topoisomerase	0.368
Puromycin (9-10)	Protein synthesis	0.190	Latrunculin B (10-13)	Actin	0.394
r dromyem (5 To)	1 Totolii Syritiiosis	0.130	Eatternounit B (10 10)	Actin	0.004
Griseofulvin (12-13)	Microtubule	0.400	Nocodazole-1 (8-9, 11-12)	Microtubule	0.070
Colchicine (4-6)	Microtubule	0.183	Nocodazole-2 (6-13)	Microtubule	0.076
105D (10)	Microtubule	0.225	Nocodazole-3 (10-13)	Microtubule	0.148
Nocodazole-3 (10-13)	Microtubule	0.260	Colchicine (7-13)	Microtubule	0.171
Nocodazole-1 (8-9, 11-12)	Microtubule	0.379	Dexamethasone (6-7)	Nuclear receptor	0.191
Nocodazole-2 (6-13)	Microtubule	0.400	Taxol (6-8, 10-13)	Microtubule	0.217
Hydroxy urea-2 (12-13)	DNA replication		Nocodazole-2 (6-13)	Microtubule	
Aphidicolin (9-13)	DNA replication	0.356	Nocodazole-1 (8-9, 11-12)	Microtubule	0.076
Methotrexate (9-13)	DNA replication	0.384	Nocodazole-3 (10-13)	Microtubule	0.112
Austocystin (11-12)	Unknown	0.465	Colchicine (7-13)	Microtubule	0.113
SC560 (12-13)	Cyclooxygenase	0.501	Dexamethasone (6-7)	Nuclear receptor	0.152
Doxorubicin (9-10)	Topoisomerase	0.612	Podophyllotoxin (6-13)	Microtubule	0.163
ICRF193 (10-13)	Topoisomerase		Nocodazole-3 (10-13)	Microtubule	
Nocodazole-2 (6-13)	Microtubule	0.311	Nocodazole-2 (6-13)	Microtubule	0.112
105D (10)	Microtubule	0.312	Nocodazole-1 (8-9, 11-12)	Microtubule	0.148
Cytochalasin D (7-13)	Actin	0.319	Taxol (6-8, 10-13)	Microtubule	0.140
Colchicine (4-6)	Microtubule	0.324	Colchicine (7-13)	Microtubule	0.242
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Staurosporine (8-10)	Kinase	0.328	Griseofulvin (12-13)	Microtubule	0.260
Indirubin monoxime (12-13)	Kinase; CDK		Okadaic acid (10-11)	Kinase	
Fluoxetine (13)	Neurotransmitter	0.111	Doxorubicin (9-10)	Topoisomerase	0.272
Actinomycin D (8-13)	RNA	0.111	Aphidicolin (9-13)	DNA replication	0.479
Puromycin (9-10)	Protein synthesis	0.135	Hydroxy urea-2 (12-13)	DNA replication	0.627
Didemnin B (8-11)	Protein synthesis	0.155	Griseofulvin (12-13)	Microtubule	0.634
Purvalanol A (12-13)	Kinase; CDK	0.133	Cytochalasin D (5-6)	Actin	0.647
Fulvalation A (12-13)	Killase, CDK	0.230	Cytochalasiii D (3-0)	Actin	0.047
Indomethacin (1)	Cyclooxygenase		Oligomycin (6-13)	Energy metabolism	
Concentramide (8, 13)	Unknown	0.235	Staurosporine (8-10)	Kinase	0.123
Clozapine (13)	Neurotransmitter	0.250	Actinomycin D (4-7)	RNA	0.157
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.274	Trichostatin (8-13)	Histone deacetylase	0.161
Concentramide (1, 4-5)	Unknown	0.287	Brefeldin A (7-13)	Vesicle trafficking	0.195
SB203580 (12-13)	Kinase; MAPK/p38 pwy.	0.300	Scriptaid-1 (11-13)	Histone deacetylase	0.208
Jasplakinolide (12-13)	Actin		Olomucine (13)	Kinase; CDK	
Simavastatin (12-13)	Cholesterol	0.238	LY294002 (13)	Kinase; PI3K pwy.	0.195
Didemnin B (8-11)	Protein synthesis	0.245	W-7 hydrochloride (13)	Calcium regulation	0.197
Indirubin monoxime (12-13)	Kinase; CDK	0.336	Roscovitine (12)	Kinase; CDK	0.198
, ,			Cycloheximide (7-13)	*	
Emetine-2 (8-13)	Protein synthesis RNA	0.347 0.352	, ,	Protein synthesis	0.200 0.214
Actinomycin D (8-13)	KINA	0.352	Wortmannin (13)	Kinase; PI3K pwy.	0.214
Latrunculin B (10-13)	Actin		Oxamflatin (10-13)	Histone deacetylase	
Mevastatin (13)	Cholesterol	0.153	Apicidin (9-13)	Histone deacetylase	0.073
Cytochalasin D (7-13)	Actin	0.190	Trichostatin (8-13)	Histone deacetylase	0.099
Cytochalasin B (11-13)	Actin	0.204	Scriptaid-1 (11-13)	Histone deacetylase	0.127
Trichostatin (8-13)	Histone deacetylase	0.243	Actinomycin D (4-7)	RNA	0.137
ALLN (12-13)	Protein degradation	0.250	Cytochalasin B (11-13)	Actin	0.160
LY294002 (13)	Kinase; PI3K pwy.		PD98059 (13)	Kinase; MAPK/ERK pwy.	
Wortmannin (13)	Kinase; PI3K pwy.	0.101	U0126 (13)	Kinase; MAPK/ERK pwy.	0.161
Cycloheximide (7-13)	Protein synthesis	0.112	Filopodine (12-13)	Unknown	0.166
Cytochalasin B (1)	Actin	0.120	Cyclosporin A (12-13)	Calcium regulation	0.184
Scriptaid-2 (11-12)	Histone deacetylase	0.121	Cytochalasin B (1)	Actin	0.201
Concentramide (1, 4-5)	Unknown	0.121	Scriptaid-2 (11-12)	Histone deacetylase	0.201
Concontraring (1, 1 c)	Onknown	0.120		Thotono dodootylado	0.200
Methotrexate (9-13)	DNA replication	0.007	PMA (5-7)	Kinase; PKC	0.544
Austocystin (11-12)	Unknown	0.267	Didemnin B (6-7)	Protein synthesis	0.511
Aphidicolin (9-13)	DNA replication	0.323	Emetine-2 (6)	Protein synthesis	0.534
SC560 (12-13)	Cyclooxygenase	0.368	Mevastatin (13)	Cholesterol	0.555
Hydroxy urea-2 (12-13)	DNA replication	0.384	Cytochalasin D (7-13)	Actin	0.582
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.434	Simavastatin (12-13)	Cholesterol	0.610
Mevastatin (13)	Cholesterol		Podophyllotoxin (6-13)	Microtubule	
Cytochalasin D (7-13)	Actin	0.143	Trichostatin (1, 3)	Histone deacetylase	0.085
Simavastatin (12-13)	Cholesterol	0.144	Colchicine (7-13)	Microtubule	0.136
Latrunculin B (10-13)	Actin	0.153	Vinblastine (6-13)	Microtubule	0.159
Oligomycin (6-13)	Energy metabolism	0.336	Nocodazole-2 (6-13)	Microtubule	0.163
Anisomycin (7)	Protein synthesis	0.359	Dexamethasone (6-7)	Nuclear receptor	0.174
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d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Puromycin (9-10)	Protein synthesis		Staurosporine (8-10)	Kinase	
Didemnin B (8-11)	Protein synthesis	0.094	Oligomycin (6-13)	Energy metabolism	0.123
Actinomycin D (8-13)	RNA	0.100	Actinomycin D (4-7)	RNA	0.205
Purvalanol A (12-13)	Kinase; CDK	0.129	Trichostatin (8-13)	Histone deacetylase	0.212
Indirubin monoxime (12-13)	Kinase; CDK	0.125	Oxamflatin (10-13)	Histone deacetylase	0.212
Emetine-2 (8-13)	Protein synthesis	0.141	Apicidin (9-13)	Histone deacetylase	0.240
Purvalanol A (12-13)	Kinase; CDK		Sulindac sulfide (11, 13)	Cyclooxygenase	
Emetine-2 (8-13)	Protein synthesis	0.074	Epothilone B (9-10, 12-13)	Microtubule	0.191
Actinomycin D (8-13)	RNA	0.113	Taxol (4-5)	Microtubule	0.325
Puromycin (9-10)	Protein synthesis	0.129	MG132 (11-13)	Protein degradation	0.686
Didemnin B (8-11)	Protein synthesis	0.135	ICRF193 (10-13)	Topoisomerase	0.748
Anisomycin (8-13)	Protein synthesis	0.171	Didemnin B (8-11)	Protein synthesis	0.751
Rapamycin (12-13)	Kinase; PI3K pwy.		Taxol (6-8, 10-13)	Microtubule	
Amanitin (12-13)	RNA	0.112	Nocodazole-2 (6-13)	Microtubule	0.185
LY294002 (13)	Kinase; PI3K pwy.	0.131	Nocodazole-1 (8-9, 11-12)	Microtubule	0.217
Wortmannin (13)	Kinase; PI3K pwy.	0.145	Dexamethasone (6-7)	Nuclear receptor	0.230
Concentramide (1, 4-5)	Unknown	0.153	Nocodazole-3 (10-13)	Microtubule	0.242
Concentramide (8, 13)	Unknown	0.153	Podophyllotoxin (6-13)	Microtubule	0.258
,			Taxol (4-5)	Microtubule	
Roscovitine (12)	Kinase; CDK		Sulindac sulfide (11, 13)	Cyclooxygenase	0.325
Olomucine (13)	Kinase; CDK	0.198	Colchicine (4-6)	Microtubule	0.392
Oligomycin (6-13)	Energy metabolism	0.293	105D (10)	Microtubule	0.397
W-7 hydrochloride (13)	Calcium regulation	0.305	Griseofulvin (12-13)	Microtubule	0.405
Anisomycin (7)	Protein synthesis	0.311	Epothilone B (9-10, 12-13)	Microtubule	0.419
ALLN (12-13)	Protein degradation	0.331	Epotimono B (6 10, 12 10)	Wildiotabalo	0.110
(,			Trichostatin (8-13)	Histone deacetylase	
SB202190 (12-13)	Kinase; MAPK/p38 pwy.		Cytochalasin B (11-13)	Actin	0.066
Wortmannin (13)	Kinase; PI3K pwy.	0.239	Scriptaid-1 (11-13)	Histone deacetylase	0.069
Amanitin (12-13)	RNA	0.241	Actinomycin D (4-7)	RNA	0.084
Cycloheximide (7-13)	Protein synthesis	0.243	Oxamflatin (10-13)	Histone deacetylase	0.099
Concentramide (1, 4-5)	Unknown	0.254	Brefeldin A (7-13)	Vesicle trafficking	0.104
LY294002 (13)	Kinase; PI3K pwy.	0.255	Trichostatin (1, 3)	Histone deacetylase	0.104
L1294002 (13)	Killase, i lok pwy.	0.233	Vinblastine (6-13)	Microtubule	0.071
SB203580 (12-13)	Kinase; MAPK/p38 pwy.		Podophyllotoxin (6-13)	Microtubule	0.071
Concentramide (1, 4-5)	Unknown	0.091	Colchicine (7-13)	Microtubule	0.083
WY-14643 (13)	Nuclear receptor	0.091	Nocodazole-2 (6-13)	Microtubule	0.100
	•		` '		
Cycloheximide (7-13) Cytochalasin B (1)	Protein synthesis Actin	0.124 0.125	Dexamethasone (6-7)	Nuclear receptor	0.224
Concentramide (8, 13)	Unknown	0.125	Trifluoperazine (12)	Neurotransmitter	
SB203580 (7)	Kinase; MAPK/p38 pwy.	0.155	Chloropromazine (12)	Neurotransmitter	0.201
Cycloheximide (7-13)	Protein synthesis	0.310	Clozapine (13)	Neurotransmitter	0.254
Concentramide (1, 4-5)	Unknown	0.331	Brefeldin A (7-13)	Vesicle trafficking	0.234
W-7 hydrochloride (13)	Calcium regulation	0.333	WY-14643 (13)	Nuclear receptor	0.351
Cytochalasin B (1)	Actin	0.341	Concentramide (8, 13)	Unknown	0.356
Cyclosporin A (12-13)	Calcium regulation	0.346	Concentiamide (6, 13)	Olkilowii	0.550
Gy0100p011177 (12 10)	Calolatti rogalation	0.010	Tunicamycin (9-13)	Vesicle trafficking	
SC560 (12-13)	Cyclooxygenase		Latrunculin B (10-13)	Actin	0.295
PD98059 (13)	Kinase; MAPK/ERK pwy.	0.317	ALLN (12-13)	Protein degradation	0.323
Alsterpaullone (10-13)	Kinase; CDK	0.318	Purvalanol A (12-13)	Kinase; CDK	0.361
Indomethacin (1)	Cyclooxygenase	0.358	Puromycin (9-10)	Protein synthesis	0.365
Clozapine (13)	Neurotransmitter	0.360	Anisomycin (7)	Protein synthesis	0.369
Methotrexate (9-13)	DNA replication	0.368	110426 (42)	Vinces MADV/EDV must	
Scriptaid-1 (11-13)	Histone deacetylase		U0126 (13) PD98059 (13)	Kinase; MAPK/ERK pwy. Kinase; MAPK/ERK pwy.	0.161
Trichostatin (8-13)	Histone deacetylase	0.069	Scriptaid-2 (11-12)	Histone deacetylase	0.183
Brefeldin A (7-13)	Vesicle trafficking	0.009	Cyclosporin A (12-13)	Calcium regulation	0.184
Actinomycin D (4-7)	RNA	0.083	Cycloheximide (7-13)	Protein synthesis	0.187
• • •			Filopodine (12-13)	•	
Cytochalasin B (11-13) Cycloheximide (7-13)	Actin Protein synthesis	0.100 0.107	Filopodine (12-13)	Unknown	0.195
Cycloneximide (7-16)	1 Totom synthesis	0.101	Vinblastine (6-13)	Microtubule	
Scriptaid-2 (11-12)	Histone deacetylase		Trichostatin (1, 3)	Histone deacetylase	0.071
Concentramide (1, 4-5)	Unknown	0.081	Podophyllotoxin (6-13)	Microtubule	0.159
WY-14643 (13)	Nuclear receptor	0.092	Nocodazole-2 (6-13)	Microtubule	0.186
Concentramide (8, 13)	Unknown	0.107	Colchicine (7-13)	Microtubule	0.191
Filopodine (12-13)	Unknown	0.114	Dexamethasone (6-7)	Nuclear receptor	0.236
Scriptaid-1 (11-13)	Histone deacetylase	0.117	W-7 hydrochloride (13)	Calcium regulation	
Simavastatin (12-13)	Cholesterol		Cycloheximide (7-13)	Protein synthesis	0.086
Mevastatin (13)	Cholesterol	0.144	Brefeldin A (7-13)	Vesicle trafficking	0.115
Cytochalasin D (7-13)	Actin	0.205	Cyclosporin A (12-13)	Calcium regulation	0.124
Jasplakinolide (12-13)	Actin	0.238	Concentramide (1, 4-5)	Unknown	0.133
Latrunculin B (10-13)	Actin	0.279	WY-14643 (13)	Nuclear receptor	0.140
Oligomycin (6-13)	Energy metabolism	0.281	()		
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d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Wortmannin (13)	Kinase; PI3K pwy.		WY-14643 (13)	Nuclear receptor	
LY294002 (13)	Kinase; PI3K pwy.	0.101	Concentramide (1, 4-5)	Unknown	0.030
Cycloheximide (7-13)	Protein synthesis	0.113	Concentramide (8, 13)	Unknown	0.067
Amanitin (12-13)	RNA	0.133	Cycloheximide (7-13)	Protein synthesis	0.081
Concentramide (1, 4-5)	Unknown	0.144	Scriptaid-2 (11-12)	Histone deacetylase	0.092
Rapamycin (12-13)	Kinase; PI3K pwy.	0.145	Cytochalasin B (1)	Actin	0.110

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
105D (11-12)	Microtubule		Camptothecin (11)	Topoisomerase	
Taxol (6-13)	Microtubule	0.389	Actinomycin D (7-8)	RNA	0.188
Griseofulvin (12-13)	Microtubule	0.435	Actinomycin D (9-13)	RNA	0.337
Nocodazole-3 (10-13)	Microtubule	0.499	Emetine-1 (8-13)	Protein synthesis	0.370
Vinblastine (5-6)	Microtubule	0.517	Emetine-2 (7-13)	Protein synthesis	0.373
ICRF193 (9-13)	Topoisomerase	0.560	Roscovitine (13)	Kinase; CDK	0.376
11N84 (12-13)	Vesicle trafficking		Ceramide (13)	Kinase; PKC	
Brefeldin A (11)	Vesicle trafficking	0.194	11N84 (12-13)	Vesicle trafficking	0.355
Oligomycin (5-13)	Energy metabolism	0.220	W-7 hydrochloride (13)	Calcium regulation	0.361
Tunicamycin (9-13)	Vesicle trafficking	0.322	Brefeldin A (11)	Vesicle trafficking	0.375
Wortmannin (13)	Kinase; PI3K pwy.	0.324	Leupeptine (13)	Protein degradation	0.396
Filopodine (12-13)	Unknown	0.326	CKI7 (13)	Kinase	0.396
Actinomycin D (9-13)	RNA		Chelerythrine (11)	Kinase; PKC	
Camptothecin (11)	Topoisomerase	0.337	Anisomycin (12-13)	Protein synthesis	0.286
Puromycin (9-10)	Protein synthesis	0.339	Jasplakinolide (10, 12)	Actin	0.404
Anisomycin (12-13)	Protein synthesis	0.347	Didemnin B (7-11)	Protein synthesis	0.499
Emetine-2 (7-13)	Protein synthesis	0.360	Brefeldin A (11)	Vesicle trafficking	0.559
Roscovitine (13)	Kinase; CDK	0.373	Actinomycin D (9-13)	RNA	0.568
Actinomycin D (7-8)	RNA	0.070	Admoniyan B (3 13)	TXI V Y	0.000
Camptothecin (11)	Topoisomerase	0.188	Chloropromozino (2)	Neurotransmitter	
. ,	•		Chloropromazine (2)		0.201
Emetine-2 (7-13)	Protein synthesis	0.196	Cytochalasin B (2)	Actin	
Puromycin (9-10)	Protein synthesis	0.268	CKI7 (1-2)	Kinase	0.245
Emetine-1 (8-13)	Protein synthesis	0.274	PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.259
Roscovitine (13)	Kinase; CDK	0.372	PD98059 (1)	Kinase; MAPK/ERK pwy.	0.264
Anisomycin (12-13)	Protein synthesis		Oligomycin (1)	Energy metabolism	0.320
Emetine-2 (7-13)	Protein synthesis	0.275	CKI7 (13)	Kinase	
Didemnin B (7-11)	Protein synthesis	0.273	Leupeptine (13)	Protein degradation	0.254
. ,	Kinase; PKC	0.286	Filopodine (12-13)	Unknown	0.254
Chelerythrine (11)			. ,		
Actinomycin D (9-13)	RNA	0.347	Wortmannin (13)	Kinase; PI3K pwy.	0.274
Camptothecin (11)	Topoisomerase	0.382	Indomethacin (13)	Cyclooxygenase	0.309
			11N84 (12-13)	Vesicle trafficking	0.371
Aphidicolin (8-13)	DNA replication		CKI7 (1-2)	Kinase	
Methotrexate (9-13)	DNA replication	0.138	PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.101
Austocystin (10-13)	Unknown	0.148	Zvad (1)	Protein degradation	0.156
WY-14643 (13)	Nuclear receptor	0.172	Methotrexate (2)	DNA replication	0.198
Hydroxy urea-2 (12-13)	DNA replication	0.224	Didemnin B (1-2)	Protein synthesis	0.207
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.283	Sodium azide (2)	Energy metabolism	0.208
Aphidicolin (1, 3, 7)	DNA replication		, ,	<i>5.</i>	
Concentramide (1-2, 4, 6-8)	Unknown	0.142	Colchicine (9-10, 12-13)	Microtubule	
PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.169	Podophyllotoxin (6-9, 11, 13)	Microtubule	0.129
Oligomycin (1)	Energy metabolism	0.249	Nocodazole-2 (9-13)	Microtubule	0.147
CKI7 (1-2)	Kinase	0.252	Trichostatin (1-3)	Histone deacetylase	0.227
TPEN (1)	Metal homeostasis	0.232	Dexamethasone (6)	Nuclear receptor	0.244
IFEN(I)	ivietai riorrieostasis	0.273	Nocodazole-1 (7-13)	Microtubule	0.244
Apicidin (9-13)	Histone deacetylase		, ,		
Oxamflatin (10-12)	Histone deacetylase	0.161	Concentramide (1-2, 4, 6-8)	Unknown	
Scriptaid-1 (10-13)	Histone deacetylase	0.161	Aphidicolin (1, 3, 7)	DNA replication	0.142
Trichostatin (9-13)	Histone deacetylase	0.364	TPEN (1)	Metal homeostasis	0.294
Scriptaid-2 (10-13)	Histone deacetylase	0.365	PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.337
SC560 (13)	Cyclooxygenase	0.367	Oligomycin (1)	Energy metabolism	0.366
			Nocodazole-1 (2)	Microtubule	0.368
Austocystin (10-13)	Unknown	0.442	Outschall to B (45.45)	A4:	
Aphidicolin (8-13)	DNA replication	0.148	Cytochalasin B (10-13)	Actin	
Hydroxy urea-2 (12-13)	DNA replication	0.188	Indirubin monoxime (10-13)	Kinase; CDK	0.515
Etoposide (10-13)	Topoisomerase	0.214	PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.550
PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.254	Emetine-2 (1, 6)	Protein synthesis	0.564
Methotrexate (9-13)	DNA replication	0.265	Latrunculin B (8-10, 12-13)	Actin	0.573
Austocystin (1)	Unknown		Cytochalasin D (10-13)	Actin	0.581
Didemnin B (1-2)	Protein synthesis	0.171	Cytochalasin B (2)	Actin	
Filopodine (1-2)	Unknown	0.207	Chloropromazine (2)	Neurotransmitter	0.201
Scriptaid-2 (1-2)	Histone deacetylase	0.212	PD98059 (1)	Kinase; MAPK/ERK pwy.	0.254
Oligomycin (1)	Energy metabolism	0.267	Oxamflatin (1)	Histone deacetylase	0.335
Methotrexate (2)	DNA replication	0.281	PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.365
. ,	·	0.201	CKI7 (1-2)	Kinase	0.384
Brefeldin A (11)	Vesicle trafficking	0.104	Cutochalasia D (40,42)	Actin	
11N84 (12-13)	Vesicle trafficking	0.194	Cytochalasin D (10-13)	Actin	0.500
Simavastatin (12-13)	Cholesterol	0.281	PD98059 (1)	Kinase; MAPK/ERK pwy.	0.533
Oligomycin (5-13)	Energy metabolism	0.314	CKI7 (1-2)	Kinase	0.564
Puromycin (9-10)	Protein synthesis	0.345	Latrunculin B (8-10, 12-13)	Actin	0.565
LY294002 (13)	Kinase; PI3K pwy.	0.369	Methotrexate (2)	DNA replication	0.574
			Zvad (1)	Protein degradation	0.579

Necessarian	d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
Colchismic (91-0), (2-13) Microrubule 0.244 Sodium acide (13) Energy metabolism 0.247 Vinistante (7-13) Microrubule 0.289 Sorpatio 2 (10-13) Histone deacetylase 0.267 Trichostatin (1-13) Histone deacetylase 0.326 Sorpatio 2 (10-13) Histone deacetylase 0.326 Trichostatin (1-13) Protein synthesis 0.248 Sorpatio 2 (10-13) Histone deacetylase 0.326 Trichostatin (1-13) Protein synthesis 0.248 Sorpatio 2 (10-13) Protein synthesis 0.248 Anlaconyon (12-13) Protein synthesis 0.334 Anlaconyon (12-13) Protein synthesis Protein (13-13) Protein synthesis 0.207 Separation (13-13) Protein synthesis 0.307 Protein synthesis 0.307 Protein synthesis 0.307 Separation (13-13) Protein synthesis 0.307 Protein synthesis 0.308 Protein synthesis 0.309 Protein s			0.100			
Nanocasco-2 (28-13)	, ,			* *		
Verbissine (7-13)				` ,		
Tichosamin (1-3)				` '		
Didemnin (7-11)	Vinblastine (7-13)	Microtubule	0.289	Scriptaid-2 (10-13)	Histone deacetylase	0.325
Debamin B (7-11)	Trichostatin (1-3)	Histone deacetylase	0.300	11N84 (12-13)	Vesicle trafficking	0.326
Final Protein synthesis				Filopodine (1-2)	Unknown	
Frotein synthesis	Didemnin B (7-11)	Protein synthesis		Scriptaid-2 (1-2)	Histone deacetylase	0.112
Anisotrophysical (12-13)			0.248	,	-	0.154
Purcering (19-10)	, ,	•		` ,	-	
Actionopyin D (9-13) RNA 0.421 Didemnin B (1-2) Protein synthesis Carpinal 2 (1-2) Carpina	. ,	•			- C	
Actionrayin D (7-8) RNA				. ,		
Didemmin B (1-2)	• • •			Additional (1)	Onknown	0.207
Serplatal (71-2)			0.421	Fluoretine (12)	Nourotronomittor	
Flippodine (1-2)		•	0.400			0.444
Austorysin (1)	,	-		, ,		
Variable Variable	,			` ,	· ·	
Doxorubicin (9-11)				. ,	-	
Dosorubicin (9-11)		S .		, ,		
Actinomycin D (19-13)	CKI7 (1-2)	Kinase	0.207	LY294002 (13)	Kinase; PI3K pwy.	0.573
Epothione B (9-13)						
Camptothecin (11)	Actinomycin D (9-13)	RNA	0.382	PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.326
Roscovitine (1.3)	Epothilone B (9-13)	Microtubule	0.421	Retinoic acid (trans) (9, 11-13)	Nuclear receptor	0.336
Emetine-1 (8-13)	Camptothecin (11)	Topoisomerase	0.467	Austocystin (10-13)	Unknown	0.439
Protein synthesis	Roscovitine (13)	Kinase; CDK	0.474	SC560 (13)	Cyclooxygenase	0.449
Emetine-2 (7-13)	Emetine-1 (8-13)	Protein synthesis	0.518	Sodium azide (13)	Energy metabolism	0.493
Actinomycin 1/-8 RNA 0.274 Olomucine (13) Kinase; CDK 0.424 Puromycin (19-10) Protein synthesis 0.362 Inditublin monoxime (10-13) Kinase; CDK 0.424 Camptothecin (11) Topoisomerase 0.370 Wortmannin (13) Kinase; CDK 0.424 Kinase 0.494 Remotine-1 (7) Protein synthesis 0.419 Virolatine (1-6) Microtubule 0.344 RTEN (1) Metal homeostasis 0.419 Virolastine (5-6) Microtubule 0.344 RTEN (1) Microtubule 0.344 RTEN (1) Microtubule 0.344 RTEN (1) Microtubule 0.344 RTEN (1) Microtubule 0.344 Microtubule 0.344 Microtubule 0.344 Microtubule 0.344 Microtubule 0.345 Microtubule 0.479 Microtubule 0.479 Microtubule 0.479 Microtubule 0.479 Microtubule 0.501 Microtubule 0.5	Emetine-1 (8-13)	Protein synthesis		Genistein (13)	Kinase	
Actinomycin 1/-8 RNA 0.274 Olomucine (13) Kinase; CDK 0.424 Puromycin (19-10) Protein synthesis 0.362 Inditublin monoxime (10-13) Kinase; CDK 0.424 Camptothecin (11) Topoisomerase 0.370 Wortmannin (13) Kinase; CDK 0.424 Kinase 0.494 Remotine-1 (7) Protein synthesis 0.419 Virolatine (1-6) Microtubule 0.344 RTEN (1) Metal homeostasis 0.419 Virolastine (5-6) Microtubule 0.344 RTEN (1) Microtubule 0.344 RTEN (1) Microtubule 0.344 RTEN (1) Microtubule 0.344 RTEN (1) Microtubule 0.344 Microtubule 0.344 Microtubule 0.344 Microtubule 0.344 Microtubule 0.345 Microtubule 0.479 Microtubule 0.479 Microtubule 0.479 Microtubule 0.479 Microtubule 0.501 Microtubule 0.5	Emetine-2 (7-13)		0.252		Microtubule	0.266
Puromycin (9-10)	, ,	,		. ,		
Camptothecin (11)	• • • •				,	
Emedin (13) Kinase 0.377 Emodin (13) Kinase 0.494 Emetine-2 (1, 6) Protein synthesis 0.310 Griseofulvin (12-13) Microtubule 0.348 Zvad (1) Protein degradation 0.404 Nocodazole-3 (10-13) Microtubule 0.348 TPEN (1) Metal homeostasis 0.419 Vinibastine (5-6) Microtubule 0.354 Aphidicolin (1, 3, 7) DNA replication 0.433 Taxol (6-13) Microtubule 0.384 Aphidicolin (1, 3, 7) DNA replication 0.434 105D (11-12) Microtubule 0.384 Aphidicolin (1, 3, 7) Protein synthesis 0.195 Microtubule 0.439 Emetine-2 (7-13) RNA 0.196 H89 (13) Microtubule 0.501 Promonycin (9-10) Protein synthesis 0.248 Staurosporine (7-9) Kinase 0.551 Didemin B (7-11) Protein synthesis 0.255 Scriptiacle (10-13) Microtubule 0.501 Emetine-2 (1, 6) Protein synthesis 0.255 Scriptiacle (10-13) Microt		•		, ,		
Emetine-1 (7) Protein synthesis 0.310 Griseofulvin (12-13) Microtubule 3.48 Zvad (1) Protein degradation 0.404 Nocodazole-3 (10-13) Microtubule 0.348 TPEN (1) Metal homeostasis 0.419 Vinblastine (5-6) Microtubule 0.348 Oxamflatin (1) Histone deacetylase 0.433 Taxol (6-13) Microtubule 0.384 Aphildicolin (1, 3, 7) DNA replication 0.434 105D (11-12) Microtubule 0.439 Emetine-2 (7-13) Protein synthesis 105D (11-12) Microtubule 0.439 Actinomycin D (7-8) RNA 0.196 H89 (13) Kinase Puromycin (9-10) Protein synthesis 0.248 Staucosporine (7-9) Kinase 0.541 Emetine-1 (8-13) Protein synthesis 0.252 Scriptali-2 (10-13) Histone deacetylase 0.573 Anisomycin (12-13) Protein synthesis 0.252 Scriptali-2 (10-13) Histone deacetylase 0.573 Temetine-2 (1, 6) Protein synthesis 0.234 Hydroxy urea-2 (12-13) <td>. ,</td> <td>•</td> <td></td> <td>. ,</td> <td></td> <td></td>	. ,	•		. ,		
Emetine-2 (1, 6)			0.377	Emodin (13)	Killase	0.494
Protein degradation Q.404 Nocodazole-3 (10-13) Microtubule 0.348			0.040	0-1	Minustralia	
PEN (f) Metal homeostasis 0.419 Vinblastine (5-6) Microtubule 0.354 Aphidicolin (1, 3, 7) DNA replication 0.434 105D (11-12) Microtubule 0.435 Taxol (6-13) Microtubule 0.435 Taxol (6-13) Microtubule 0.435 Microtubule 0.435 Taxol (6-13) Microtubule 0.435 Microtubule 0.435 Taxol (6-15) Microtubule 0.435 Microtubule 0.479 Emetine-2 (7-13) Protein synthesis 0.244 Nocodazole-3 (10-13) Microtubule 0.501 Microtubu	,					0.040
Oxamifatin (1) Histone deacetylase 0.433 Taxol (6+13) Microtubule 0.384 Aphidoclin (1, 3, 7) DNA replication 0.434 105D (11-12) Microtubule 0.435 Emetine-2 (7-13) Protein synthesis 1 microtubule 0.479 Actinomycin D (7-8) RNA 0.196 H89 (13) Kinase Puromycin (9-10) Protein synthesis 0.244 Nocodazole-3 (10-13) Microtubule 0.501 Dideminia B (7-11) Protein synthesis 0.248 Staurosporine (7-9) Kinase 0.541 Emetine-1 (8-13) Protein synthesis 0.252 Scriptaid-2 (10-13) Histone deacetylase 0.573 Anisomycin (12-13) Protein synthesis 0.252 Scriptaid-2 (10-13) Histone deacetylase 0.573 Microtubule 0.541 Microtubule 0.541 Microtubule 0.541 Emetine-1 (8-13) Protein synthesis 0.252 Scriptaid-2 (10-13) Histone deacetylase 0.573 Indirubin monolime (10-13) Metal homeostasis 0.282 Hydroxy urea-2 (12-13)	. ,			` ,		
Aphidicolin (1, 3, 7) DNA replication D.434 Taxol (4-5) Microtubule D.435	. ,			, ,		
Taxol (4-5) Microtubule 0.479		Histone deacetylase	0.433	Taxol (6-13)	Microtubule	0.384
Protein synthesis	Aphidicolin (1, 3, 7)	DNA replication	0.434	105D (11-12)	Microtubule	0.435
Rotinomycin (9-10)	Emotino-2 (7-13)	Protoin synthosis		Taxol (4-5)	Microtubule	0.479
Puromycin (9-10)			0.106	H90 (12)	Kinasa	
Didemin B (7-11)	• • • •					0.501
Emetine-1 (8-13)		•		, ,		
Anisomycin (12-13)	* *	•				
Emetine-2 (1, 6) Protein synthesis Co.234 Filopodine (12-13) Unknown 0.608 TPEN (1) Metal homeostasis 0.284 Hydroxy urea-2 (12-13) DNA replication 0.138 Zvad (1) Protein degradation 0.293 Methotrexate (9-13) DNA replication 0.138 Emetine-1 (7) Protein synthesis 0.310 U0126 (12-13) Unknown 0.188 PD169316 (1-3, 7) Kinase; MAPK/p38 pwy. 0.329 Austocystin (10-13) Unknown 0.188 Emodin (13) Kinase Kinase; CDK 0.257 Hydroxy urea-2 (1) DNA replication 0.224 Indirubin monoxime (10-13) Kinase; CDK 0.257 Hydroxy urea-2 (1) DNA replication 0.224 Emetine-1 (8-13) Protein synthesis 0.377 Didemnin B (1-2) Protein synthesis 0.224 Tunicamycin (9-13) Vesicle trafficking 0.406 Zvad (1) Protein degradation 0.225 Microtubule 0.473 PD169316 (1-3, 7) Kinase; MAPK/p38 pwy. 0.243 Genistein (13) Microtubule <td></td> <td>•</td> <td></td> <td>. ,</td> <td>-</td> <td></td>		•		. ,	-	
TPEN (1) Metal homeostasis 0.234 Protein synthesis 0.282 Protein synthesis 0.282 Methotrexate (9-13) DNA replication 0.138 Emetine-1 (7) Protein degradation 0.293 Methotrexate (9-13) DNA replication 0.138 Emetine-1 (7) Protein synthesis 0.310 U0126 (12-13) Kinase; MAPK/ERK pwy. 0.165 Methotrexate (9-13) Unknown 0.188 Methotrexate (9-13) Unknown 0.188 Methotrexate (9-13) Unknown 0.188 Methotrexate (9-13) DNA replication 0.218 Methotrexate (9-13) DNA replication 0.188 Methotrexate (9-13) DNA replication 0.218 Methotrexate (9-13) Unknown 0.188 Methotrexate (9-13) DNA replication 0.228 Methotrexate (9-13) DNA replication 0.218 Methotrexate (9-13) DNA replication 0.228 Methotrexate (9-13) DNA replication 0.224 Methotrexate (9-13) Microtubule 0.623 Lactacystin (13) Microtubule 0.336 Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415 Sulindac sulfide (11, 13) Cyclooxygenase 0.435 Methotrexate (9-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.257 Methotrexate (9-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.244 Methotrexate (9-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.424 Methotrexate (9-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.424 Methotrexate (9-13) DNA replication 0.444		•	0.275	* *		
Didemnin B (1-2)		•		Filopodine (12-13)	Unknown	0.608
Variable Variable		Metal homeostasis				
Emetine-1 (7)	Didemnin B (1-2)	Protein synthesis	0.282	Hydroxy urea-2 (12-13)	DNA replication	
PD169316 (1-3, 7)	Zvad (1)	Protein degradation	0.293	Methotrexate (9-13)	DNA replication	0.138
Emodin (13) Kinase WY-14643 (13) Nuclear receptor 0.218 Indirubin monoxime (10-13) Kinase; CDK 0.257 Aphidicolin (8-13) DNA replication 0.224 Emetine-1 (8-13) Protein synthesis 0.377 Didemnin B (1-2) Protein synthesis 0.224 Tunicamycin (9-13) Vesicle trafficking 0.406 Zvad (1) Protein degradation 0.225 Nocodazole-1 (2) Microtubule 0.473 PD169316 (1-3, 7) Kinase; MAPK/p38 pwy. 0.243 Genistein (13) Kinase 0.494 Oligomycin (1) Energy metabolism 0.265 Epothilone B (9-13) Microtubule 0.330 ICRF193 (9-13) Topoisomerase Epothilone B (9-13) Microtubule 0.330 ICRF193 (9-13) Energy metabolism 0.289 Epothilone B (9-13) Microtubule 0.342 Oligomycin (5-13) Energy metabolism 0.350 Griseofulvin (12-13) Microtubule 0.612 Nocodazole-2 (6-7) Microtubule 0.359 Actinomycin D (9-13) RNA 0.623 Lactacystin (Emetine-1 (7)	Protein synthesis	0.310	U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.165
Emodin (13) Kinase WY-14643 (13) Nuclear receptor 0.218 Indirubin monoxime (10-13) Kinase; CDK 0.257 Aphidicolin (8-13) DNA replication 0.224 Emetine-1 (8-13) Protein synthesis 0.377 Didemnin B (1-2) Protein synthesis 0.224 Tunicamycin (9-13) Vesicle trafficking 0.406 Zvad (1) Protein degradation 0.225 Nocodazole-1 (2) Microtubule 0.473 PD169316 (1-3, 7) Kinase; MAPK/p38 pwy. 0.243 Genistein (13) Kinase 0.494 Oligomycin (1) Energy metabolism 0.265 Epothilone B (9-13) Microtubule 0.330 ICRF193 (9-13) Topoisomerase Epothilone B (9-13) Microtubule 0.330 ICRF193 (9-13) Energy metabolism 0.289 Epothilone B (9-13) Microtubule 0.342 Oligomycin (5-13) Energy metabolism 0.350 Griseofulvin (12-13) Microtubule 0.612 Nocodazole-2 (6-7) Microtubule 0.359 Actinomycin D (9-13) RNA 0.623 Lactacystin (PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.329	Austocystin (10-13)	Unknown	0.188
Remodin (13) Kinase CDK 0.257 Hydroxy urea-2 (1) DNA replication 0.224 Indirubin monoxime (10-13) Kinase; CDK CDK Hydroxy urea-2 (1) DNA replication D.225 Indirubin monoxime (10-13) Protein synthesis 0.377 Didemnin B (1-2) Protein synthesis 0.224 Indirubin monoxime (10-13) Protein synthesis 0.224 Indirubin monoxime (10-13) Protein degradation 0.225 Indirubin monoxime (10-13) Protein degradation 0.225 Indirubin monoxime (10-13) Protein degradation 0.225 Indirubin monoxime (10-13) DNA replication D.377 Didemnin B (1-2) Didemnin B (1-2) Protein degradation 0.225 Indirubin monoxime (10-13) Protein degradation 0.225 Indirubin monoxime (10-13) Protein degradation 0.241 Indirubin monoxime (10-13) Kinase; CDK Indirubin monoxime (10-13) Vesicle trafficking 0.295 Indirubin monoxime (10-13) Vesicle t	, , ,				Nuclear receptor	0.218
Indirubin monoxime (10-13)	Fmodin (13)	Kinase				
Emetine-1 (8-13)			0.257	. ,		0.221
Tunicamycin (9-13) Vesicle trafficking 0.406 Zvad (1) Protein degradation 0.225 Nocodazole-1 (2) Microtubule 0.473 PD169316 (1-3, 7) Kinase; MAPK/p38 pwy. 0.243 Genistein (13) Kinase 0.494 Oligomycin (1) Energy metabolism 0.265 Epothilone B (9-13) Microtubule 0.330 ICRF193 (9-13) Topoisomerase Doxorubicin (9-11) Topoisomerase 0.421 Oligomycin (5-13) Energy metabolism 0.336 Griseofulvin (12-13) Microtubule 0.612 Nocodazole-2 (6-7) Microtubule 0.359 Actinomycin D (9-13) RNA 0.623 Lactacystin (13) Protein degradation 0.414 105D (11-12) Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415 Etoposide (10-13) Topoisomerase Vinblastine (5-6) Microtubule 0.415 Austocystin (10-13) Unknown 0.214 Indirubin monoxime (10-13) Kinase; CDK PD169316 (11-13) DNA replication 0.358 Emodin (13) Kinase	` '					0.224
Nocodazole-1 (2) Microtubule 0.473 PD169316 (1-3, 7) Kinase; MAPK/p38 pwy. 0.243	, ,	,		` ,	,	
Epothilone B (9-13) Microtubule 0.330 ICRF193 (9-13) Topoisomerase 0.421 Oligomycin (1) Energy metabolism 0.265	• • •				· ·	
Filopodine (1-2) Unknown 0.289	* *			* * *		
Taxol (6-13) Microtubule 0.330 ICRF193 (9-13) Topoisomerase 0.421 Oligomycin (5-13) Energy metabolism 0.336 Griseofulvin (12-13) Microtubule 0.612 Nocodazole-2 (6-7) Microtubule 0.359 Actinomycin D (9-13) RNA 0.623 Lactacystin (13) Protein degradation 0.414 105D (11-12) Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415 Sulindac sulfide (11, 13) Cyclooxygenase 0.435 Cyclooxygena	Genistein (13)	Kinase	0.494		0,	
Taxol (6-13) Microtubule 0.330 ICRF193 (9-13) Topoisomerase 0.336	Epothilone B (9-13)	Microtubule		Filopodine (1-2)	Unknown	0.289
Doxorubicin (9-11) Topoisomerase 0.421 Oligomycin (5-13) Energy metabolism 0.336 Griseofulvin (12-13) Microtubule 0.612 Nocodazole-2 (6-7) Microtubule 0.359 Actinomycin D (9-13) RNA 0.623 Lactacystin (13) Protein degradation 0.414 105D (11-12) Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415 Etoposide (10-13) Topoisomerase Sulindac sulfide (11, 13) Cyclooxygenase 0.435 Austocystin (10-13) Unknown 0.214 Indirubin monoxime (10-13) Kinase; CDK Aphidicolin (8-13) DNA replication 0.358 Emodin (13) Kinase 0.257 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424	<u> </u>		0.330	ICRF193 (9-13)	Topoisomerase	
Griseofulvin (12-13) Microtubule 0.612 Nocodazole-2 (6-7) Microtubule 0.359 Actinomycin D (9-13) RNA 0.623 Lactacystin (13) Protein degradation 0.414 105D (11-12) Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415 Etoposide (10-13) Topoisomerase Vinblastine (11, 13) Cyclooxygenase 0.435 Austocystin (10-13) Unknown 0.214 Indirubin monoxime (10-13) Kinase; CDK Aphidicolin (8-13) DNA replication 0.358 Emodin (13) Kinase 0.257 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424	, ,					0.336
Actinomycin D (9-13) RNA 0.623 Lactacystin (13) Protein degradation 0.414 105D (11-12) Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415 Etoposide (10-13) Topoisomerase Vinblastine (11, 13) Cyclooxygenase 0.435 Austocystin (10-13) Unknown 0.214 Indirubin monoxime (10-13) Kinase; CDK Aphidicolin (8-13) DNA replication 0.358 Emodin (13) Kinase 0.257 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424	` '				0,	
Microtubule 0.667 Vinblastine (5-6) Microtubule 0.415				` ,		
Etoposide (10-13) Topoisomerase Sulindac sulfide (11, 13) Cyclooxygenase 0.435 Austocystin (10-13) Unknown 0.214 Indirubin monoxime (10-13) Kinase; CDK Aphidicolin (8-13) DNA replication 0.358 Emodin (13) Kinase; CDK PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424				. ,		
Etoposide (10-13) Topoisomerase Austocystin (10-13) Unknown 0.214 Indirubin monoxime (10-13) Kinase; CDK Aphidicolin (8-13) DNA replication 0.358 Emodin (13) Kinase 0.257 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424	าบ5D (11-12)	Microtubule	0.667	, ,		
Aphidicolin (8-13) DNA replication 0.358 Emodin (13) Kinase 0.257 PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424		•		, , ,		3.100
PD169316 (11-13) Kinase; MAPK/p38 pwy. 0.443 Tunicamycin (9-13) Vesicle trafficking 0.295 Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424	. ,					
Hydroxy urea-2 (12-13) DNA replication 0.447 Staurosporine (7-9) Kinase 0.396 Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424		•		` ,		
Methotrexate (9-13) DNA replication 0.476 Genistein (13) Kinase 0.424	PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.443	Tunicamycin (9-13)	Vesicle trafficking	0.295
	Hydroxy urea-2 (12-13)	DNA replication	0.447	Staurosporine (7-9)	Kinase	0.396
	Methotrexate (9-13)	DNA replication	0.476	Genistein (13)	Kinase	0.424
	• •	·		, ,	Microtubule	

Indomethacin (13) Rapamycin (12-13) Leupeptine (13) CKI7 (13) Wortmannin (13) PD169316 (11-13)	Cyclooxygenase Kinase; Pl3K pwy. Protein degradation	0.287	Nocodazole-1 (7-13)	Microtubule	
Leupeptine (13) CKI7 (13) Wortmannin (13)		n 287			
CKI7 (13) Wortmannin (13)	Protein degradation		Dexamethasone (6)	Nuclear receptor	0.162
Wortmannin (13)		0.305	Trichostatin (1-3)	Histone deacetylase	0.248
` '	Kinase	0.309	Nocodazole-2 (9-13)	Microtubule	0.253
PD169316 (11-13)	Kinase; PI3K pwy.	0.408	Colchicine (9-10, 12-13)	Microtubule	0.265
	Kinase; MAPK/p38 pwy.	0.428	Podophyllotoxin (6-9, 11, 13)	Microtubule	0.267
			Nocodazole-1 (2)	Microtubule	
Jasplakinolide (10, 12)	Actin		Genistein (13)	Kinase	0.266
Chelerythrine (11)	Kinase; PKC	0.404	Concentramide (1-2, 4, 6-8)	Unknown	0.368
Brefeldin A (11)	Vesicle trafficking	0.466	Olomucine (13)	Kinase; CDK	0.369
LY294002 (13)	Kinase; PI3K pwy.	0.549	Rapamycin (12-13)	Kinase; PI3K pwy.	0.373
Anisomycin (12-13)	Protein synthesis	0.556	Wortmannin (13)	Kinase; PI3K pwy.	0.402
Latrunculin B (8-10, 12-13)	Actin	0.570	, ,		
			Nocodazole-2 (9-13)	Microtubule	
Lactacystin (13)	Protein degradation		Colchicine (9-10, 12-13)	Microtubule	0.147
ICRF193 (9-13)	Topoisomerase	0.414	Podophyllotoxin (6-9, 11, 13)	Microtubule	0.174
Oligomycin (5-13)	Energy metabolism	0.484	Nocodazole-1 (7-13)	Microtubule	0.253
Olomucine (13)	Kinase; CDK	0.491	Trichostatin (1-3)	Histone deacetylase	0.262
Puromycin (9-10)	Protein synthesis	0.507	Dexamethasone (6)	Nuclear receptor	0.283
Genistein (13)	Kinase	0.518	Nocodazole-2 (6-7)	Microtubule	
			Oligomycin (5-13)	Energy metabolism	0.264
Latrunculin B (8-10, 12-13)	Actin		ICRF193 (9-13)	Topoisomerase	0.359
Cytochalasin D (10-13)	Actin	0.565	11N84 (12-13)	Vesicle trafficking	0.378
Jasplakinolide (10, 12)	Actin	0.570	Simavastatin (12-13)	Cholesterol	0.417
Cytochalasin B (10-13)	Actin	0.573	Ceramide (13)	Kinase; PKC	0.437
Indirubin monoxime (10-13)	Kinase; CDK	0.675	Coramido (10)	1411400, 1140	0.107
Chelerythrine (11)	Kinase; PKC	0.703	Nocodazole-3 (10-13)	Microtubule	
c (1.1)		000	Griseofulvin (12-13)	Microtubule	0.348
Leupeptine (13)	Protein degradation		Nocodazole-1 (7-13)	Microtubule	0.357
CKI7 (13)	Kinase	0.254	Vinblastine (5-6)	Microtubule	0.397
Indomethacin (13)	Cyclooxygenase	0.305	Dexamethasone (6)	Nuclear receptor	0.433
Wortmannin (13)	Kinase; PI3K pwy.	0.384	Nocodazole-2 (9-13)	Microtubule	0.433
* *	Kinase; PKC	0.396	140C0da20le-2 (9-13)	Microtabale	0.442
Ceramide (13)	Unknown	0.432	Okadaja asid (11)	Vinces	
Filopodine (12-13)	Officiowif	0.432	Okadaic acid (11) Oligomycin (5-13)	Kinase Energy metabolism	0.461
I V204002 (12)	Kinasa: DI2K nuw		11N84 (12-13)	Vesicle trafficking	0.469
LY294002 (13)	Kinase; PI3K pwy.	0.229	,	· ·	
SB202190 (12-13)	Kinase; MAPK/p38 pwy.		Simavastatin (12-13)	Cholesterol	0.503
Trifluoperazine (12)	Neurotransmitter	0.316	Tunicamycin (9-13)	Vesicle trafficking	0.513
Brefeldin A (11)	Vesicle trafficking	0.369	ICRF193 (9-13)	Topoisomerase	0.519
Simavastatin (12-13)	Cholesterol	0.374			
11N84 (12-13)	Vesicle trafficking	0.436	Oligomycin (5-13)	Energy metabolism	0.000
			11N84 (12-13)	Vesicle trafficking	0.220
Methotrexate (9-13)	DNA replication		Tunicamycin (9-13)	Vesicle trafficking	0.252
WY-14643 (13)	Nuclear receptor	0.119	Nocodazole-2 (6-7)	Microtubule	0.264
Aphidicolin (8-13)	DNA replication	0.138	Brefeldin A (11)	Vesicle trafficking	0.314
Hydroxy urea-2 (12-13)	DNA replication	0.138	Puromycin (9-10)	Protein synthesis	0.336
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.148	Oligomycin (1)	Energy metabolism	
Rapamycin (12-13)	Kinase; PI3K pwy.	0.221	PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.191
Methotrexate (2)	DNA replication		Didemnin B (1-2)	Protein synthesis	0.220
PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.171	CKI7 (1-2)	Kinase	0.237
CKI7 (1-2)	Kinase	0.198	Filopodine (1-2)	Unknown	0.238
Sodium azide (2)	Energy metabolism	0.220	Aphidicolin (1, 3, 7)	DNA replication	0.249
Scriptaid-2 (1-2)	Histone deacetylase	0.225			
Didemnin B (1-2)	Protein synthesis	0.236	Olomucine (13)	Kinase; CDK	
			Wortmannin (13)	Kinase; PI3K pwy.	0.254
Mevastatin (12-13)	Cholesterol		W-7 hydrochloride (13)	Calcium regulation	0.291
Simavastatin (12-13)	Cholesterol	0.418	Nocodazole-1 (2)	Microtubule	0.369
Trifluoperazine (12)	Neurotransmitter	0.475	Sodium azide (13)	Energy metabolism	0.373
PMA (4-9)	Kinase; PKC	0.492	Puromycin (9-10)	Protein synthesis	0.383
11N84 (12-13)	Vesicle trafficking	0.500	• • •	-	
SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.504	Oxamflatin (10-12)	Histone deacetylase	
	, , ,		Apicidin (9-13)	Histone deacetylase	0.161
MG132 (9-10, 12-13)	Protein degradation		Scriptaid-1 (10-13)	Histone deacetylase	0.164
Emetine-1 (8-13)	Protein synthesis	0.465	Scriptaid - (10-13)	Histone deacetylase	0.348
Actinomycin D (7-8)	RNA	0.497	Trichostatin (9-13)	Histone deacetylase	0.368
W-7 hydrochloride (13)	Calcium regulation	0.515	SC560 (13)	Cyclooxygenase	0.446
Puromycin (9-10)	Protein synthesis	0.533	Oxamflatin (1)	Histone deacetylase	0.440
Puromycin (9-10) Purvalanol A (11, 13)	Kinase; CDK	0.562	Cytochalasin B (2)	Actin	0.335
i uivaiailui A (11, 13)	Milase, CDN	0.502	• • • • • • • • • • • • • • • • • • • •		
			Chloropromazine (2)	Neurotransmitter	0.414
			Concentramide (1-2, 4, 6-8)	Unknown	0.423
			Emetine-1 (7)	Protein synthesis	0.433
			TPEN (1)	Metal homeostasis	0.452

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity	Similarity
PD169316 (11-13)	Kinase; MAPK/p38 pwy.		SB202190 (12-13)	Kinase; MAPK/p38 pwy.	
Retinoic acid (trans) (9, 11-13)	Nuclear receptor	0.205	LY294002 (13)	Kinase; PI3K pwy.	0.229
Austocystin (10-13)	Unknown	0.254	Trifluoperazine (12)	Neurotransmitter	0.393
Forskolin (13)	Kinase; PKA	0.326	Brefeldin A (11)	Vesicle trafficking	0.417
Rapamycin (12-13)	Kinase; PI3K pwy.	0.367	Simavastatin (12-13)	Cholesterol	0.462
PMA (10-11)	Kinase; PKC	0.412	Filopodine (12-13)	Unknown	0.482
, ,	,	0.412	Filopodine (12-13)	Olikilowii	0.462
PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.404	00000 (40)	0.1	
CKI7 (1-2)	Kinase	0.101	SC236 (13)	Cyclooxygenase	
Aphidicolin (1, 3, 7)	DNA replication	0.169	Sodium azide (13)	Energy metabolism	0.317
Methotrexate (2)	DNA replication	0.171	Rapamycin (12-13)	Kinase; PI3K pwy.	0.367
TPEN (1)	Metal homeostasis	0.187	SC560 (13)	Cyclooxygenase	0.375
Oligomycin (1)	Energy metabolism	0.191	Austocystin (10-13)	Unknown	0.399
			Methotrexate (9-13)	DNA replication	0.421
PD98059 (1)	Kinase; MAPK/ERK pwy.		,	•	
Cytochalasin B (2)	Actin	0.254	SC560 (13)	Cyclooxygenase	
Chloropromazine (2)	Neurotransmitter	0.264	U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.311
CKI7 (1-2)	Kinase	0.277	Retinoic acid (trans) (9, 11-13)	Nuclear receptor	0.323
Methotrexate (2)	DNA replication	0.311	Methotrexate (9-13)	DNA replication	0.356
. ,	•		` ,	•	
PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.332	Apicidin (9-13)	Histone deacetylase	0.367
			SC236 (13)	Cyclooxygenase	0.375
PMA (10-11)	Kinase; PKC				
PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.412	Scriptaid-1 (10-13)	Histone deacetylase	
Indomethacin (13)	Cyclooxygenase	0.519	Apicidin (9-13)	Histone deacetylase	0.161
Forskolin (13)	Kinase; PKA	0.535	Oxamflatin (10-12)	Histone deacetylase	0.164
Retinoic acid (trans) (9, 11-13)	Nuclear receptor	0.556	Trichostatin (9-13)	Histone deacetylase	0.411
Ceramide (13)	Kinase; PKC	0.563	Scriptaid-2 (10-13)	Histone deacetylase	0.415
PMA (4-9)	Kinase; PKC	0.000	SC560 (13)	Cyclooxygenase	0.460
Ceramide (13)	Kinase; PKC	0.413	20000 (10)	Cyclockygonado	0.100
Mevastatin (12-13)	,		Coninterial 2 (40, 42)	Histone deacetylase	
,	Cholesterol	0.492	Scriptaid-2 (10-13)		0.010
Leupeptine (13)	Protein degradation	0.505	Trichostatin (9-13)	Histone deacetylase	0.210
Indomethacin (13)	Cyclooxygenase	0.543	Wortmannin (13)	Kinase; PI3K pwy.	0.258
W-7 hydrochloride (13)	Calcium regulation	0.546	Filopodine (12-13)	Unknown	0.325
			Puromycin (9-10)	Protein synthesis	0.333
Podophyllotoxin (6-9, 11, 13)	Microtubule		Oxamflatin (10-12)	Histone deacetylase	0.348
Trichostatin (1-3)	Histone deacetylase	0.107	Scriptaid-2 (1-2)	Histone deacetylase	
Colchicine (9-10, 12-13)	Microtubule	0.129	Filopodine (1-2)	Unknown	0.112
Nocodazole-2 (9-13)	Microtubule	0.174	Sodium azide (2)	Energy metabolism	0.134
Nocodazole-1 (7-13)	Microtubule	0.267	Didemnin B (1-2)	Protein synthesis	0.139
Vinblastine (7-13)	Microtubule	0.292	Zvad (1)	Protein degradation	0.209
VIIIDIASIIIIE (7-13)	Microtabale	0.292	* *	Unknown	0.209
D	Dontalia aventha alla		Austocystin (1)	Olikilowii	0.212
Puromycin (9-10)	Protein synthesis	0.044	0'	01 - 1 - 1 - 1	
Emetine-2 (7-13)	Protein synthesis	0.244	Simavastatin (12-13)	Cholesterol	
Actinomycin D (7-8)	RNA	0.268	Brefeldin A (11)	Vesicle trafficking	0.281
Wortmannin (13)	Kinase; PI3K pwy.	0.305	Oligomycin (5-13)	Energy metabolism	0.338
Trichostatin (9-13)	Histone deacetylase	0.329	LY294002 (13)	Kinase; PI3K pwy.	0.374
Scriptaid-2 (10-13)	Histone deacetylase	0.333	Nocodazole-2 (6-7)	Microtubule	0.417
			Mevastatin (12-13)	Cholesterol	0.418
Purvalanol A (11, 13)	Kinase; CDK				
Roscovitine (13)	Kinase; CDK	0.407	Sodium azide (13)	Energy metabolism	
Actinomycin D (7-8)	RNA	0.503	Filopodine (12-13)	Unknown	0.247
Actinomycin D (9-13)	RNA	0.515	Rapamycin (12-13)	Kinase; PI3K pwy.	0.282
Camptothecin (11)	Topoisomerase	0.516	SC236 (13)	Cyclooxygenase	0.317
	•		` '		
Indirubin monoxime (10-13)	Kinase; CDK	0.528	Wortmannin (13)	Kinase; PI3K pwy.	0.363
			Olomucine (13)	Kinase; CDK	0.373
Rapamycin (12-13)	Kinase; PI3K pwy.		Sodium azide (2)	Energy metabolism	
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.204	Scriptaid-2 (1-2)	Histone deacetylase	0.134
Methotrexate (9-13)	DNA replication	0.221	Filopodine (1-2)	Unknown	0.202
Hydroxy urea-2 (12-13)	DNA replication	0.229	CKI7 (1-2)	Kinase	0.208
Sodium azide (13)	Energy metabolism	0.282	Didemnin B (1-2)	Protein synthesis	0.209
Indomethacin (13)	Cyclooxygenase	0.287	Methotrexate (2)	DNA replication	0.220
(- /	- , , g	·	(- /	- F	
Retinoic acid (trans) (9, 11-13)	Nuclear receptor		Staurosporine (7-9)	Kinase	
PD169316 (11-13)	Kinase; MAPK/p38 pwy.	0.205	Indirubin monoxime (10-13)	Kinase; CDK	0.396
· ·			* *		
U0126 (12-13)	Kinase; MAPK/ERK pwy.	0.266	Tunicamycin (9-13)	Vesicle trafficking	0.405
Austocystin (10-13)	Unknown	0.276	Trichostatin (9-13)	Histone deacetylase	0.453
Methotrexate (9-13)	DNA replication	0.310	Olomucine (13)	Kinase; CDK	0.487
SC560 (13)	Cyclooxygenase	0.323	Wortmannin (13)	Kinase; PI3K pwy.	0.497
Roscovitine (13)	Kinase; CDK		Sulindac sulfide (11, 13)	Cyclooxygenase	
Actinomycin D (7-8)	RNA	0.372	Taxol (4-5)	Microtubule	0.282
Actinomycin D (9-13)	RNA	0.373	Oligomycin (5-13)	Energy metabolism	0.386
Camptothecin (11)	Topoisomerase	0.376	ICRF193 (9-13)	Topoisomerase	0.435
Emetine-1 (8-13)	Protein synthesis	0.407	Nocodazole-2 (6-7)	Microtubule	0.442
Purvalanol A (11, 13)	Kinase; CDK	0.407	11N84 (12-13)	Vesicle trafficking	0.442
1 a. vaianoi /1 (11, 10)	Tanaso, ODA	0.701	111107 (12 10)	vosioio traillokiriy	0.771

Similarity

0.148 0.165 0.204 0.215 0.266

0.204 0.289 0.292 0.308 0.316

0.354 0.397 0.415 0.517 0.525

0.287 0.291 0.337 0.346 0.354

0.210 0.254 0.258 0.274 0.287

0.119 0.172 0.215 0.218 0.272

0.156 0.195 0.207 0.209 0.213

d-Profile	Major annotated activity	Similarity	d-Profile	Major annotated activity
Taxol (6-13)	Microtubule		U0126 (12-13)	Kinase; MAPK/ERK pwy.
Epothilone B (9-13)	Microtubule	0.330	Methotrexate (9-13)	DNA replication
Griseofulvin (12-13)	Microtubule	0.384	Hydroxy urea-2 (12-13)	DNA replication
105D (11-12)	Microtubule	0.389	Rapamycin (12-13)	Kinase; PI3K pwy.
Nocodazole-3 (10-13)	Microtubule	0.535	WY-14643 (13)	Nuclear receptor
Vinblastine (5-6)	Microtubule	0.601	Retinoic acid (trans) (9, 11-13)	Nuclear receptor
Taxol (4-5)	Microtubule	0.00		. radioa. recepto.
Sulindac sulfide (11, 13)	Cyclooxygenase	0.282	Vinblastine (7-13)	Microtubule
Griseofulvin (12-13)	Microtubule	0.479	Trichostatin (1-3)	Histone deacetylase
ICRF193 (9-13)	Topoisomerase	0.498	Dexamethasone (6)	Nuclear receptor
Vinblastine (5-6)	Microtubule	0.542	Podophyllotoxin (6-9, 11, 13)	Microtubule
105D (11-12)	Microtubule	0.603	Nocodazole-2 (9-13)	Microtubule
1002 (11 12)	Wildiotabalo	0.000	Nocodazole-1 (7-13)	Microtubule
TPEN (1)	Metal homeostasis		Vinblastine (5-6)	Microtubule
PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.	0.187	Griseofulvin (12-13)	Microtubule
Emetine-2 (1, 6)	Protein synthesis	0.234	Nocodazole-3 (10-13)	Microtubule
Didemnin B (1-2)	Protein synthesis	0.253	ICRF193 (9-13)	Topoisomerase
Zvad (1)	Protein degradation	0.260	105D (11-12)	Microtubule
Oligomycin (1)	Energy metabolism	0.262	Nocodazole-2 (6-7)	Microtubule
Oligoniyan (1)	Energy metabolism	0.262	Nocodazole-2 (6-7)	Microtubule
Trichostatin (9-13)	Histone deacetylase		W-7 hydrochloride (13)	Calcium regulation
Scriptaid-2 (10-13)	Histone deacetylase	0.210	Wortmannin (13)	Kinase; PI3K pwy.
Puromycin (9-10)	Protein synthesis	0.329	Olomucine (13)	Kinase; CDK
Apicidin (9-13)	Histone deacetylase	0.364	Puromycin (9-10)	Protein synthesis
Oxamflatin (10-12)	Histone deacetylase	0.368	Filopodine (12-13)	Unknown
Oligomycin (5-13)	Energy metabolism	0.379	11N84 (12-13)	Vesicle trafficking
Trichostatin (8)	Histone deacetylase			
Apicidin (9-13)	Histone deacetylase	0.402	Wortmannin (13)	Kinase; PI3K pwy.
Tunicamycin (9-13)	Vesicle trafficking	0.502	Filopodine (12-13)	Unknown
Oxamflatin (10-12)	Histone deacetylase	0.513	Olomucine (13)	Kinase; CDK
Scriptaid-1 (10-13)	Histone deacetylase	0.514	Scriptaid-2 (10-13)	Histone deacetylase
Scriptaid-2 (10-13)	Histone deacetylase	0.539	CKI7 (13)	Kinase
Trichostatin (1-3)	Histone deacetylase		W-7 hydrochloride (13)	Calcium regulation
Podophyllotoxin (6-9, 11, 13)	Microtubule	0.107		
Vinblastine (7-13)	Microtubule	0.204	WY-14643 (13)	Nuclear receptor
Colchicine (9-10, 12-13)	Microtubule	0.227	Methotrexate (9-13)	DNA replication
Nocodazole-1 (7-13)	Microtubule	0.248	Aphidicolin (8-13)	DNA replication
Nocodazole-2 (9-13)	Microtubule	0.262	U0126 (12-13)	Kinase; MAPK/ERK pwy.
			Hydroxy urea-2 (12-13)	DNA replication
Trifluoperazine (12)	Neurotransmitter		Austocystin (10-13)	Unknown
LY294002 (13)	Kinase; PI3K pwy.	0.316		
SB202190 (12-13)	Kinase; MAPK/p38 pwy.	0.393	Zvad (1)	Protein degradation
Simavastatin (12-13)	Cholesterol	0.446	CKI7 (1-2)	Kinase
Mevastatin (12-13)	Cholesterol	0.475	Filopodine (1-2)	Unknown
W-7 hydrochloride (13)	Calcium regulation	0.488	Didemnin B (1-2)	Protein synthesis
	9		Scriptaid-2 (1-2)	Histone deacetylase
Tunicamycin (9-13)	Vesicle trafficking		PD169316 (1-3, 7)	Kinase; MAPK/p38 pwy.
Oligomycin (5-13)	Energy metabolism	0.252		
Indirubin monoxime (10-13)	Kinase; CDK	0.295		
Wortmannin (13)	Kinase; PI3K pwy.	0.315		
11N84 (12-13)	Vesicle trafficking	0.322		
Puromycin (9-10)	Protein synthesis	0.347		
• • •	•			