Magadum *et al.* Table S1

Screening results

No.	compounds	time [h]	12	24	36	48	60	72	84	96
1	**DMSO**		**0**	**0**	**1**	**1**	**0**	**1**	**0**	**0**
2	25-Hydroxyvitamin D3	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	1	0	0
		30 µM	1	1	1	1	0	0	0	0
3	**Retinoic acid, all trans**	**10 nm**	**1**	**2**	**2**	**2**	**2**	**2**	**1**	**1**
		250 nm	1	2	1	1	1	1	1	1
		30 µM	1	1	1	1	1	1	1	1
4	9-cis Retinoic acid	10 nm	1	2	2	1	1	1	0	0
		250 nm	1	1	1	1	1	1	1	1
		30 µM	1	1	1	1	0	0	0	0
5	13-cis Retinoic acid	10 nm	1	1	2	2	1	1	1	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	1	0	1	0	0
6	4-Hydroxyphenylretinamide	10 nm	1	1	1	1	1	1	0	0
		250 nm	0	1	1	1	1	1	0	0
		30 µM	1	1	1	1	0	0	0	0
7	AM-580	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	0	1	0	0	0
		30 µM	1	1	1	1	0	0	0	0
8	**TTNPB**	**10 nm**	**2**	**2**	**2**	**3**	**2**	**1**	**1**	**1**
		250 nm	1	2	1	1	1	1	1	1
		30 µM	0	1	1	0	0	0	0	0
9	Methoprene acid	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	0	1	1	1
		30 µM	1	1	1	1	0	0	0	0
10	WY-14643	10 nm	0	1	1	1	1	0	1	1
		250 nm	1	1	0	1	0	1	1	1
		30 µM	1	1	1	1	1	1	1	1
11	Ciglitazone	10 nm	1	0	1	0	1	1	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	0	1	1	0	0	0	0	0
12	Tetradecylthioacetic acid	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	1	0	0
		30 µM	1	1	0	1	0	0	0	0
13	5,8,11,14-Eicosatetraynoic acid	10 nm	0	1	1	1	0	1	1	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0
14	6-Formylindolo [3,2-B] carbazole	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	1	0	0	0	0	0

15	Diindolylmethane	10 nm	1	1	1	0	0	0	0	0
		250 nm	1	1	0	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
16	Acetyl-S-farnesyl-L-cysteine	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	0	0	0	1	0	0
17	S-Farnesyl-L-cysteine methyl ester	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	1	1	1
		30 µM	1	0	0	0	0	0	0	0
18	N-Acetyl-S-geranygeranyl-L-cysteine	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	1	1	1
		30 µM	1	1	1	1	1	1	1	1
19	AGC (Acetyl-geranyl-cysteine)	10 nm	1	1	1	1	0	1	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	0	1	1	1	0	0	0	0
20	Farnesylthioacetic acid	10 nm	1	1	1	1	0	1	0	0
		250 nm	1	1	1	1	0	1	0	0
		30 µM	1	0	0	0	0	0	0	0
21	Bezafibrate	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	0	1	0	0
		30 µM	1	1	1	1	0	0	1	1
22	LY 171883	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	1	0	0	0	0
23	15-Deoxy-D12,14-prostaglandin J2	10 nm	1	1	0	1	1	0	1	1
		250 nm	1	0	1	1	0	0	0	0
		30 µM	1	1	1	1	1	0	0	0
24	Troglitazone	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	0	0	0	0
		30 µM	0	1	0	0	0	0	0	0
25	CITCO	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
26	Paxilline	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	0	1	0	0	0	0	0	0
27	24(S)-Hydroxycholesterol	10 nm	1	1	0	1	0	1	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	0	1	0	0	0	0	0	0
28	24(S),25-Epoxycholesterol	10 nm	0	1	1	0	0	0	1	1
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
29	Pregnenolone-16(alpha)-carbonitrile	10 nm	1	1	1	0	1	0	0	0
		250 nm	1	1	1	0	0	0	0	0

		30 µM	1	1	0	0	0	0	0	0
30	**Carbacyclin**	10 nm	1	2	2	2	2	1	1	1
		250 nm	**4**	**8**	**9**	**9**	**8**	**6**	**5**	**5**
		30 µM	1	1	1	1	1	1	1	1
31	Clofibric acid	10 nm	0	1	1	1	0	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	0	1	1	1	0	1	0	0
32	BADGE	10 nm	1	1	0	1	1	0	0	0
		250 nm	1	1	1	1	0	1	0	0
		30 µM	1	1	0	1	0	0	0	0
33	GW 9662	10 nm	1	1	2	1	1	1	1	1
		250 nm	1	1	0	0	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
34	Gemfibrozil	10 nm	0	1	1	1	1	0	1	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	0	0	0	0	1	0	0
35	GW 7647	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	2	1	1	1	1	1
		30 µM	1	1	1	1	0	0	0	0
36	3,5-Diiodo-L-thyronine	10 nm	1	1	1	1	0	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0
37	3,5-Diiodo-L-tyrosine	10 nm	0	1	1	1	1	1	0	0
		250 nm	1	1	1	1	0	0	1	1
		30 µM	1	1	1	0	0	0	0	0
38	all-trans-Retinol	10 nm	1	1	1	1	0	1	1	1
		250 nm	1	1	1	1	1	1	1	1
		30 µM	1	1	0	0	0	0	0	0
39	13-cis-Retinol	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
40	Retinyl acetate	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	2	2	1	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
41	3,5-Diiodo-4-hydroxy-phenylpropionic acid	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
42	Cholic acid	10 nm	1	1	1	1	0	1	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
43	Deoxycholic acid	10 nm	0	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	0	1	1
		30 µM	1	0	1	1	0	0	0	0
44	Chenodeoxycholic acid	10 nm	1	1	1	1	0	0	0	0

		250 nm	0	0	0	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
45	Glycocholic acid	10 nm	1	1	1	0	0	0	1	1
		250 nm	1	0	0	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
46	Glycodeoxycholic acid	10 nm	1	0	0	0	0	0	0	0
		250 nm	0	0	0	0	0	0	0	0
		30 µM	1	1	1	1	1	1	1	1
47	Taurocholic acid	10 nm	1	1	1	1	0	0	0	0
		250 nm	1	0	0	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
48	Taurodeoxycholic acid	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
49	Rifampicin	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	1	1	0	0
		30 µM	1	1	1	1	1	0	0	0
50	Dexamethasone	10 nm	1	1	0	0	0	0	0	0
		250 nm	0	0	0	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
51	Lithocholic acid	10 nm	1	1	1	0	1	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	0	0	0	0	0	0
52	5b-Pregnan-3,20-dione	10 nm	1	1	1	1	1	0	1	1
		250 nm	1	1	2	1	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
53	Hyperforin	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
54	Farnesol	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	2	1	1	0	1	1
		30 µM	1	1	1	0	0	0	0	0
55	3a, 5a-Androstenol	10 nm	1	1	1	1	0	1	1	1
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
56	TCPOBOP	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
57	N-Oleoylethanolamide	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
58	GW4064	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0

59	Geranylgeraniol	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
60	6a-Fluorotestosterone	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
61	Tamoxifen	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	0	0	0	0	0	0	0	0
62	Mifepristone	10 nm	1	1	1	1	0	0	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
63	Estrone	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
64	13(S)-Hydroxy-9Z, 11E-octadecadienoic acid	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
65	Cortisone	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	0	1	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
66	Progesterone	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	1	0	0	0	0	0	0
67	17b-Estradiol	10 nm	1	1	1	1	1	1	0	0
		250 nm	0	1	1	1	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
68	Pregnenolone	10 nm	0	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
69	Androstenedione	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
70	1a,25-Dihydroxyvitamin D3	10 nm	0	1	1	1	1	1	1	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
71	Docosa-4Z,7Z,10Z,13Z, 16Z,19Z-hexaenoic acid	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	0	0	0	0	0	0	0
72	3-Methylcholanthrene	10 nm	1	1	1	1	1	1	1	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
73	Acitretin	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	1	1	0	0	0	0

		30 µM	1	0	0	0	0	0	0	0
74	Pioglitazone	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
75	**4-Hydroxyretinoic acid**	**10 nm**	**2**	**3**	**3**	**2**	**2**	**1**	**0**	**0**
		250 nm	1	1	1	1	1	1	1	0
		30 µM	1	1	1	0	0	0	0	0
76	3-amino benzamide	10 nm	1	1	0	1	1	1	1	0
		250 nm	1	0	0	1	1	1	1	1
		30 µM	1	0	1	0	0	0	0	0
77	Phthalazinone pyrazole	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	0	1	0	0	0	0	1
		30 µM	1	1	1	1	0	0	0	0
78	AGK2	10 nm	1	1	1	0	1	1	0	1
		250 nm	1	1	1	1	1	1	1	0
		30 µM	1	1	1	0	0	0	0	0
79	Mirin	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	1	1
		30 µM	1	1	1	1	1	0	0	0
80	chidamide	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	1	1	1	1
		30 µM	1	1	1	1	0	0	0	0
81	SAHA	10 nm	1	1	1	1	1	1	1	0
		250 nm	1	1	1	1	0	0	1	1
		30 µM	1	1	0	1	0	0	0	0
82	F-Amidine	10 nm	1	1	1	1	1	0	1	1
		250 nm	1	1	1	1	0	1	0	1
		30 µM	1	1	0	0	0	0	0	0
83	4-iodo-SAHA	10 nm	1	1	1	1	1	0	1	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	0	0	0	0	0	0
84	UNC0321	10 nm	1	1	1	1	0	0	0	1
		250 nm	1	1	0	0	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
85	Isoliquiritigenin	10 nm	1	1	1	1	0	1	1	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	0	0	0	0	0	0	0
86	CAY10603	10 nm	1	0	1	1	0	0	1	1
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	1	1	0	0	0	0	0
87	Pimelic diphenylamide 106	10 nm	1	1	1	1	0	1	0	1
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0
88	3-deazaneplanocin-A	10 nm	1	1	1	1	1	0	1	0

		250 nm	1	1	1	1	0	0	0	0
		30 μM	1	1	0	0	0	0	0	0
89	2,4-OPD	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	1	1	1	1	1	0
		30 μM	1	0	1	1	0	0	0	0
90	2-PCPA (hydrochloride)	10 nm	1	1	1	1	1	1	1	0
		250 nm	1	1	1	1	0	1	0	1
		30 μM	1	1	0	0	0	0	0	0
91	Tubastatin A (trifluroacetate salt)	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	0	0	0	0	0	0
		30 μM	1	0	1	0	0	0	0	0
92	**Nicotinamide**	10 nm	1	1	1	1	1	1	1	0
		250 nm	**1**	**2**	**2**	**2**	**2**	**2**	**1**	**0**
		30 μM	1	1	1	0	1	0	0	0
93	Zebularine	10 nm	1	1	1	1	0	1	0	1
		250 nm	1	1	1	1	0	1	1	1
		30 μM	1	1	0	0	0	0	0	0
94	(S)-HDAC-42	10 nm	1	1	1	1	1	1	1	0
		250 nm	1	1	1	1	1	1	1	1
		30 μM	1	1	1	1	1	1	1	0
95	Trans-resveratrol	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	1	1	1	0	1	1
		30 μM	1	1	1	0	0	0	0	1
96	DMOG	10 nm	1	1	1	1	0	1	1	0
		250 nm	1	1	1	1	1	1	0	1
		30 μM	1	1	1	1	1	0	1	0
97	Cl-Amidine	10 nm	1	1	1	1	1	1	0	1
		250 nm	1	1	1	1	0	0	1	0
		30 μM	1	1	1	0	0	0	0	1
98	Garcinol	10 nm	1	1	1	1	0	1	0	0
		250 nm	1	1	1	1	1	1	1	1
		30 μM	1	1	1	0	0	0	0	0
99	BIX01284 (hydrocholride hydrate)	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	1	0	0	1
		30 μM	1	1	1	1	0	0	0	0
100	Valproic acid (sodium salt)	10 nm	1	1	1	1	1	0	1	0
		250 nm	1	1	1	1	1	1	1	0
		30 μM	1	1	1	1	1	0	1	0
101	splitomicin	10 nm	1	1	1	1	1	0	1	1
		250 nm	1	1	1	1	1	1	0	1
		30 μM	1	1	1	1	0	1	0	1
102	MS-275	10 nm	1	1	1	1	1	1	0	1
		250 nm	1	1	1	1	0	0	1	0
		30 μM	1	1	1	0	1	0	0	0

103	trichostatin A	10 nm	0	1	1	1	1	1	1	0
		250 nm	1	1	1	1	0	0	0	1
		30 µM	1	0	1	0	0	0	0	0
104	Ellagic acid	10 nm	1	1	1	1	0	1	0	1
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	1	1	1	0	0	0
105	Suramin (sodium salt)	10 nm	1	1	1	0	1	1	1	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	1	0	0	0	0
106	Tenovin-1	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	1	1	0	1	0	0
		30 µM	1	1	1	0	0	0	0	0
107	CBHA	10 nm	1	1	1	1	1	0	1	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	1	0	0	0	0
108	HNHA	10 nm	1	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	1	1	0
		30 µM	1	1	1	1	1	1	1	0
109	(-)- Neplanocin A	10 nm	1	1	1	1	1	0	1	1
		250 nm	1	1	1	1	1	0	0	1
		30 µM	1	1	1	1	0	0	0	1
110	Sciptaid	10 nm	1	1	1	1	1	1	0	1
		250 nm	1	1	1	1	0	0	1	0
		30 µM	1	1	1	1	0	0	0	0
111	JGB1741	10 nm	1	1	1	1	0	1	1	0
		250 nm	1	1	1	1	1	0	0	1
		30 µM	1	1	1	1	1	1	0	0
112	Tinovin-6	10 nm	0	1	1	1	1	1	1	1
		250 nm	1	1	1	1	1	1	1	0
		30 µM	1	1	1	1	0	0	0	0
113	M-344	10 nm	1	1	1	1	0	1	0	1
		250 nm	1	1	1	1	0	1	0	1
		30 µM	1	1	1	0	0	0	0	0
114	**RG-108**	10 nm	1	1	1	1	1	1	0	0
		250 nm	**1**	**2**	**2**	**3**	**3**	**2**	**1**	**0**
		30 µM	1	1	1	1	1	1	1	0
115	**CAY10433**	10 nm	1	1	2	1	1	1	1	0
		250 nm	**2**	**2**	**3**	**3**	**3**	**2**	**1**	**1**
		30 µM	1	1	1	1	1	1	0	1
116	**Sinefungin**	10 nm	1	1	1	1	1	0	1	1
		250 nm	**1**	**2**	**2**	**2**	**2**	**1**	**1**	**1**
		30 µM	1	1	1	1	0	1	0	0
117	Suberohydroxamic acid	10 nm	1	1	1	1	1	0	1	1
		250 nm	1	1	1	1	0	0	0	1

		30 µM	1	0	0	0	0	0	0	0
118	I-BET	10 nm	1	1	1	1	1	1	0	1
		250 nm	0	1	1	1	1	0	0	0
		30 µM	1	1	1	1	0	0	0	0
119	Sodium butyrate	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	1	0	0	0	0	0
120	Oxamflatin	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	0	0	0	0	0	0	0
		30 µM	0	0	0	0	0	0	0	0
121	2,3,5-triacetyle-5-azacytidine	10 nm	1	1	1	1	0	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0
122	piceatannol	10 nm	1	1	1	1	1	1	0	0
		250 nm	1	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0
123	S-adenosylhomocysteine	10 nm	1	1	1	1	1	0	0	0
		250 nm	1	1	1	1	0	0	0	0
		30 µM	1	1	1	0	0	0	0	0
124	UNC0638	10 nm	1	1	1	1	1	0	1	0
		250 nm	0	1	1	1	0	1	0	0
		30 µM	1	1	1	1	0	0	0	0
125	Anacardic acid	10 nm	1	1	1	1	0	1	0	1
		250 nm	0	1	1	1	1	0	0	0
		30 µM	1	1	1	0	0	0	0	0
126	Salermide	10 nm	1	1	1	1	1	0	1	0
		250 nm	1	1	0	1	0	1	0	0
		30 µM	0	1	1	0	0	0	0	0
127	UNC0224	10 nm	1	1	1	0	0	1	0	1
		250 nm	1	1	1	0	0	0	0	0
		30 µM	1	1	0	0	0	1	0	0
128	EX-527	10 nm	1	1	1	1	1	1	1	0
		250 nm	1	1	1	1	0	1	1	0
		30 µM	1	1	0	1	1	1	1	0
129	CCG-100402	10 nm	1	1	1	1	1	0	0	1
		250 nm	1	1	1	1	0	0	1	1
		30 µM	1	1	1	0	0	0	0	1
130	**10% FCS**		**2**	**3**	**4**	**5**	**6**	**6**	**4**	**2**
131	**FGF1+ p38 inhibitor**		**3**	**8**	**9**	**10**	**10**	**9**	**7**	**3**

orange	controls
red	positive hits