Table_S2. Differentially expressed genes

The numbers of differentially expressed genes (DEGs, log2 FC > 1) found in both experiments, if compared to time-point 0 (A & B, Figure 3A & B); after additional removal of genes that were differentially expressed in any untreated sample (C & D, Figure 3C & D); after re-calculation using the associated dose=0 sample (log2 FC > 1) (E & F, Figure 3E & F). Excluded samples are indicated in grey.

In-vitro MEF exposure

A

	0.17	0.5	1	3	6	12	24	48	union	intersect
20	410	406	750	2802	3411	3919	3156	2817	1120 (8839)	95 (22)
6.7	200	238	541	1944	1809	2195	2846	2105	3344 (5962)	30 (22)
2.25	626	534		637	1000	2418	2344	2085	2078 (4763)	44 (27)
0.75	434	839	344	773	969	1999	2127	2021	2543 (4974)	26 (23)
0.25	694	288	384	460	912	2203	2221	2241	1955 (4796)	31 (24)
0	275	343	313	434	1194	1988	4179	2462	1854 (6288)	30 (22)
Union	1817	1806	1448	2751	2984					
				4559	5007	6155	6969	4956		
Intersect	28	36	55	112	319					
				75	221	612	846	865		

C

	0.17	0.5	1	3	6	12	24	48	union	intersect
20	133	144	363						556	7
6.7	42	82	282	1333	1193				2319	1
2.25	303	179		299	386				1042	0
0.75	182	630	126	338	290				1448	0
0.25	504	134	125	114	222				967	0
Union	1042	1044	724	1727	1625					
intersect	0	0	2	7	27					

E

	0.17	0.5	1	3	6	12	24	48	union	intersect
20	142	163	240						498	3
6.7	81	143	150	1169	983				2098	1
2.25	353	118		307	195				901	0
0.75	178	737	177	270	107				1345	0
0.25	561	200	136	88	86				978	0
Union	1140	1153	613	1502	1204					
intersect	0	0	0	0	0					

In-vivo skin exposure

B

	1	3	6	9	12	24	48	union	intersect
720	618	472	892	957		1169	654	2441	67
540	1153	1198	986	1285	775	1353	881	3494	46
360	247	192	695	531	570	357	748	1689	5
180	325	986	604	939	1015	508	520	2170	68
90		466	643	442	711	375	468	1674	66
0	198	494	553	479	795	341	461	1814	14
Union	1811	2452	2203	2735	2052	2287	1786		
intersect	16	4	154	30	148	65	80		

D

	1	3	6	9	12	24	48	union	intersect
720	172	271	365	551		715	164	1471	5
540	648	587	429	742	323	681	452	2247	7
360	96	51	229	171	149	77	272	787	0
180	106	485	218	472	395	187	127	1177	20
90		255	265	124	183	144	89	824	0
Union	906	1343	1150	1545	880	1296	816		
intersect	5	0	1	6	2	2	2		

F

	1	3	6	9	12	24	48	union	intersect
720	386	512	562	835		877	176	2364	2
540	1057	684	405	1460	398	673	355	3371	3
360	215	520	441	358	235	162	138	1665	0
180	161	294	314	621	434	323	119	1521	12
90		776	566	634	411	288	154	2155	1
Union	1553	1988	1613	2513	1172	1547	723		
intersect	0	0	0	0	0	0	0		