

FIG. 1a

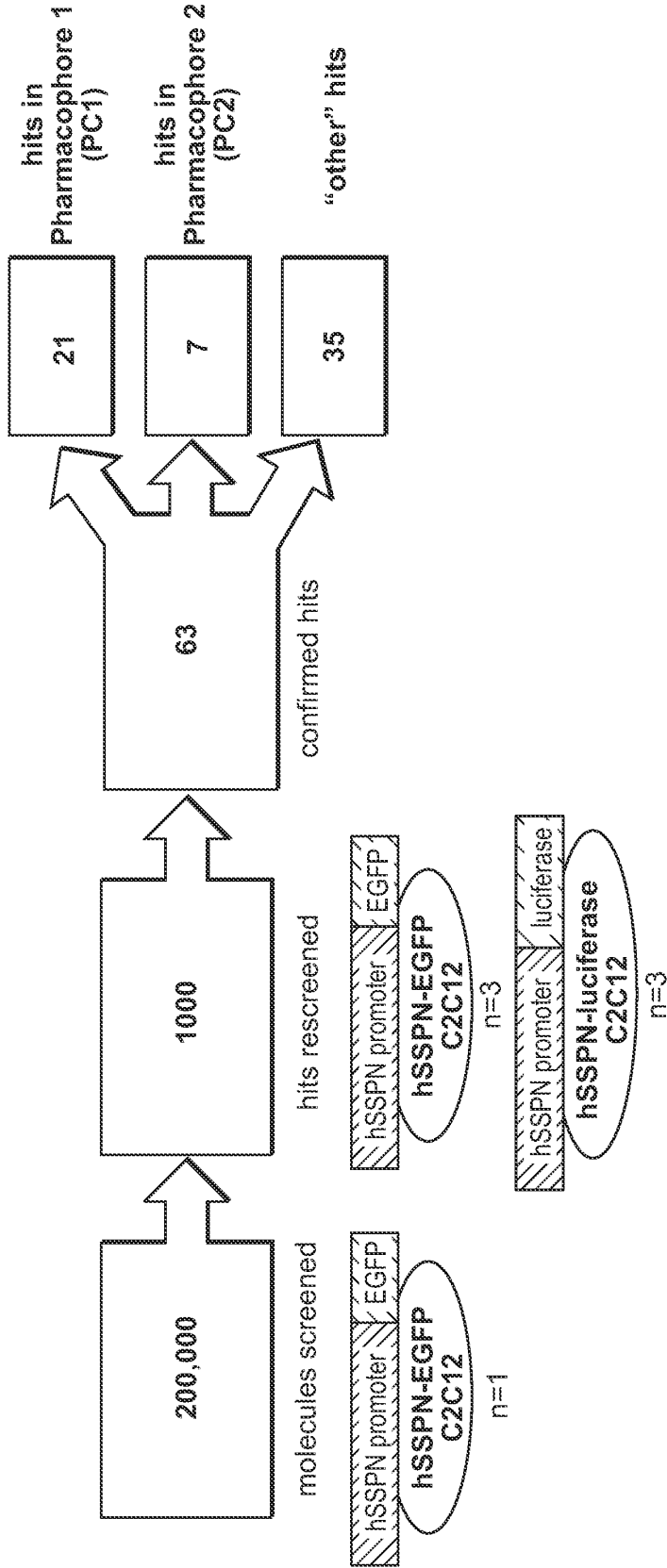


FIG. 1b

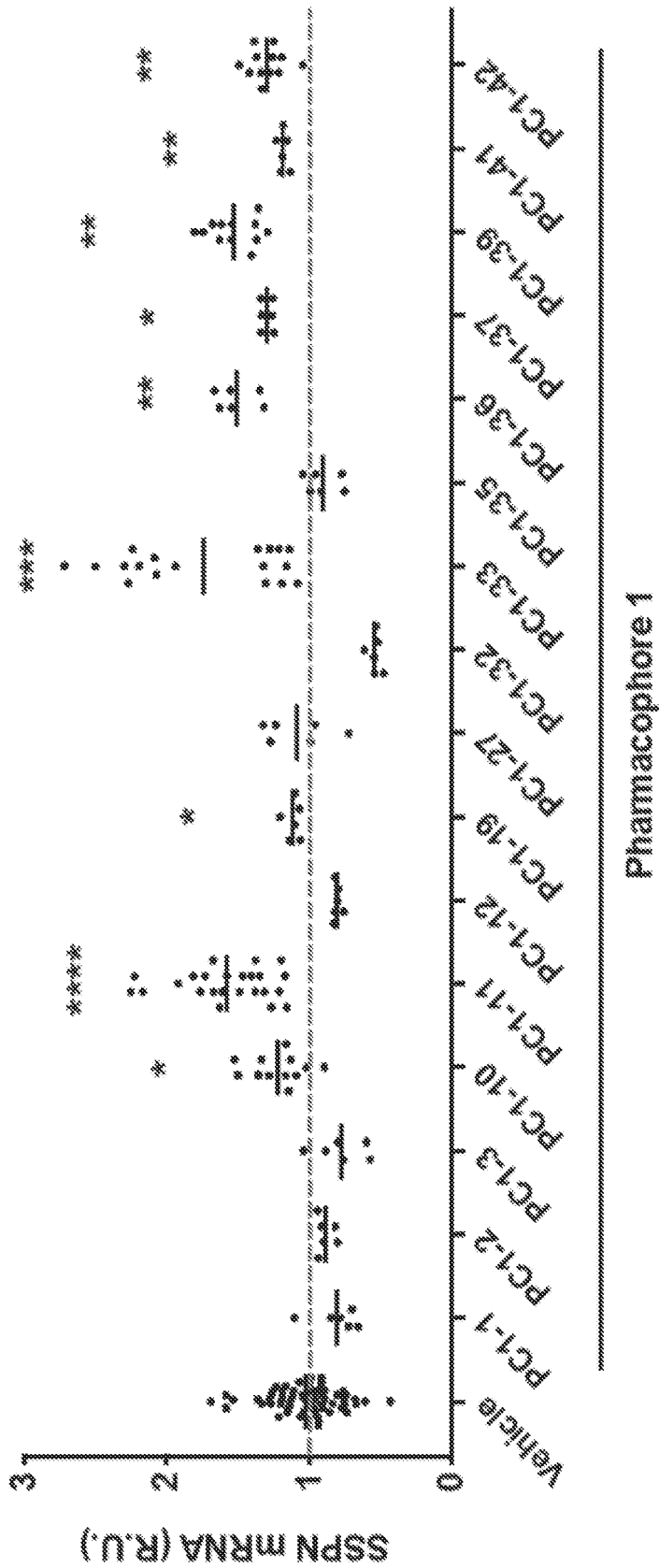
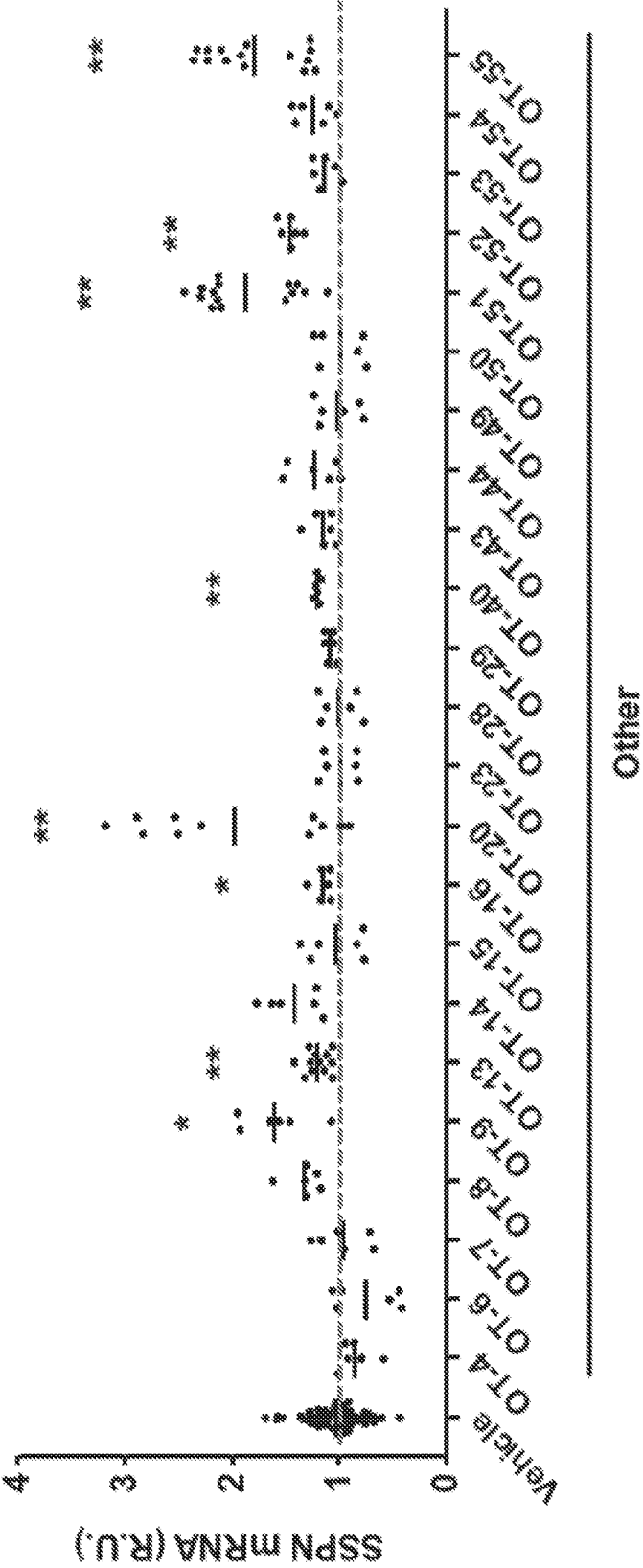
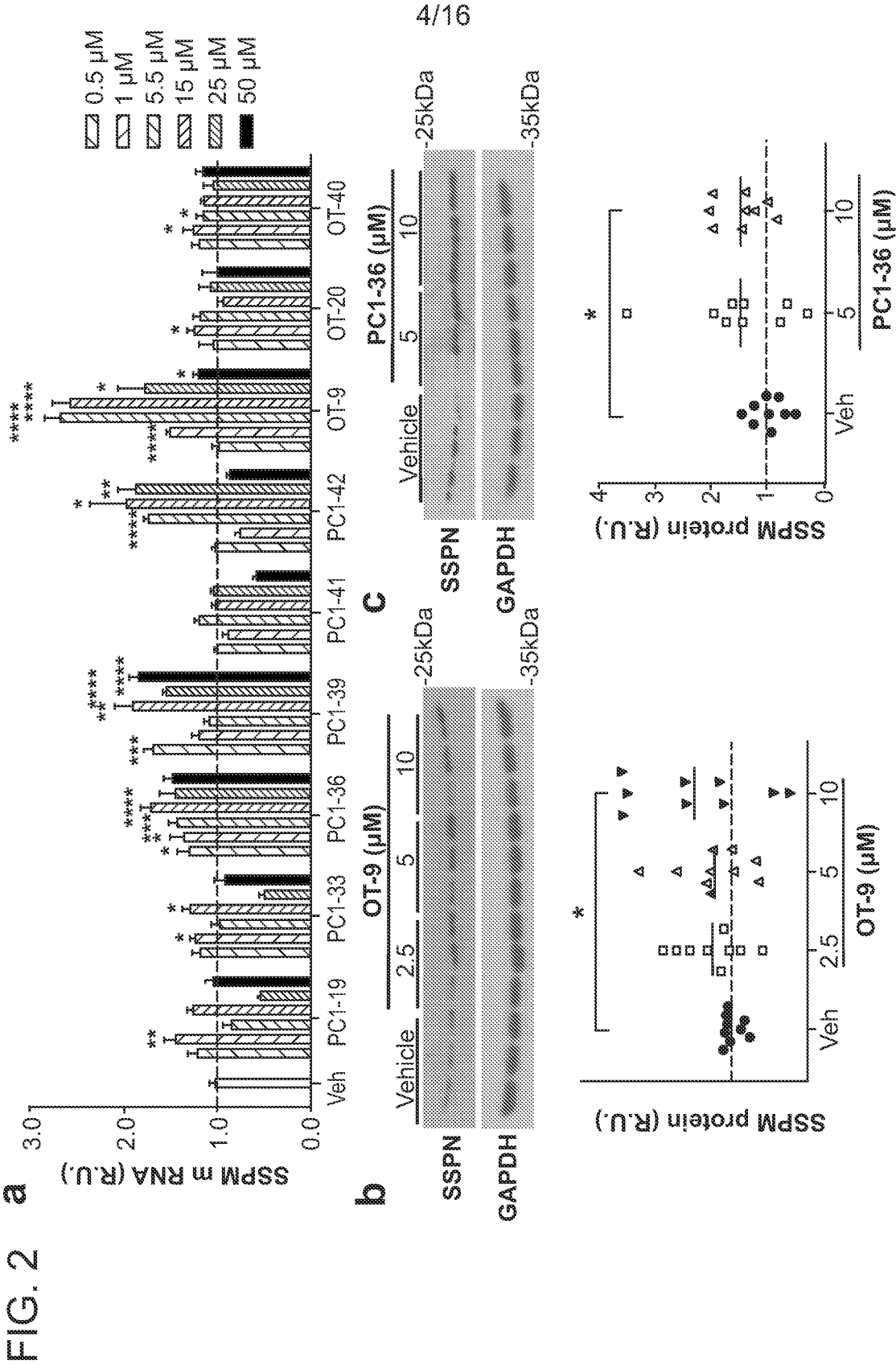
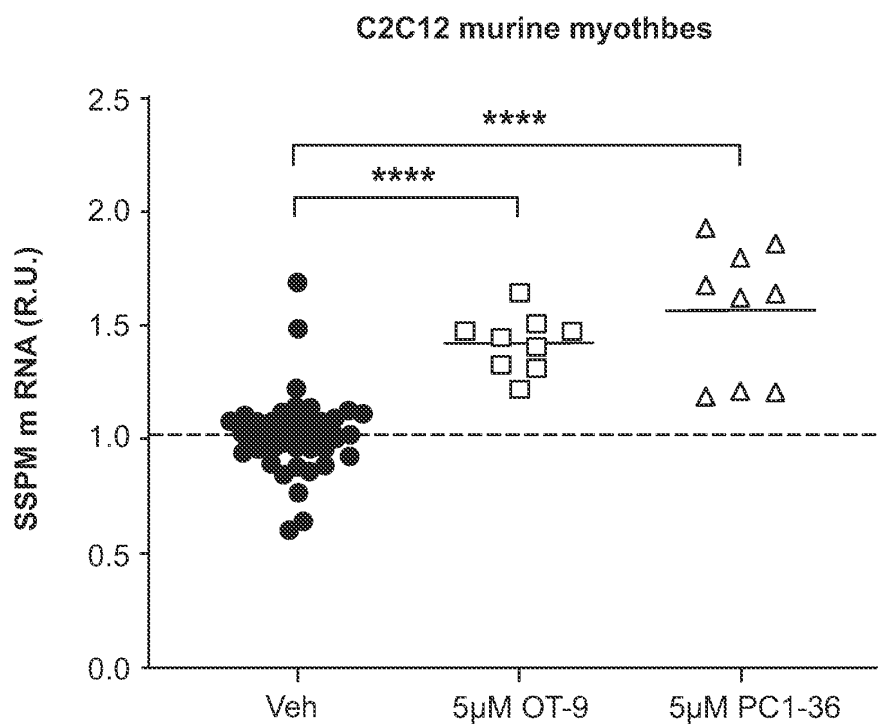


FIG. 1c







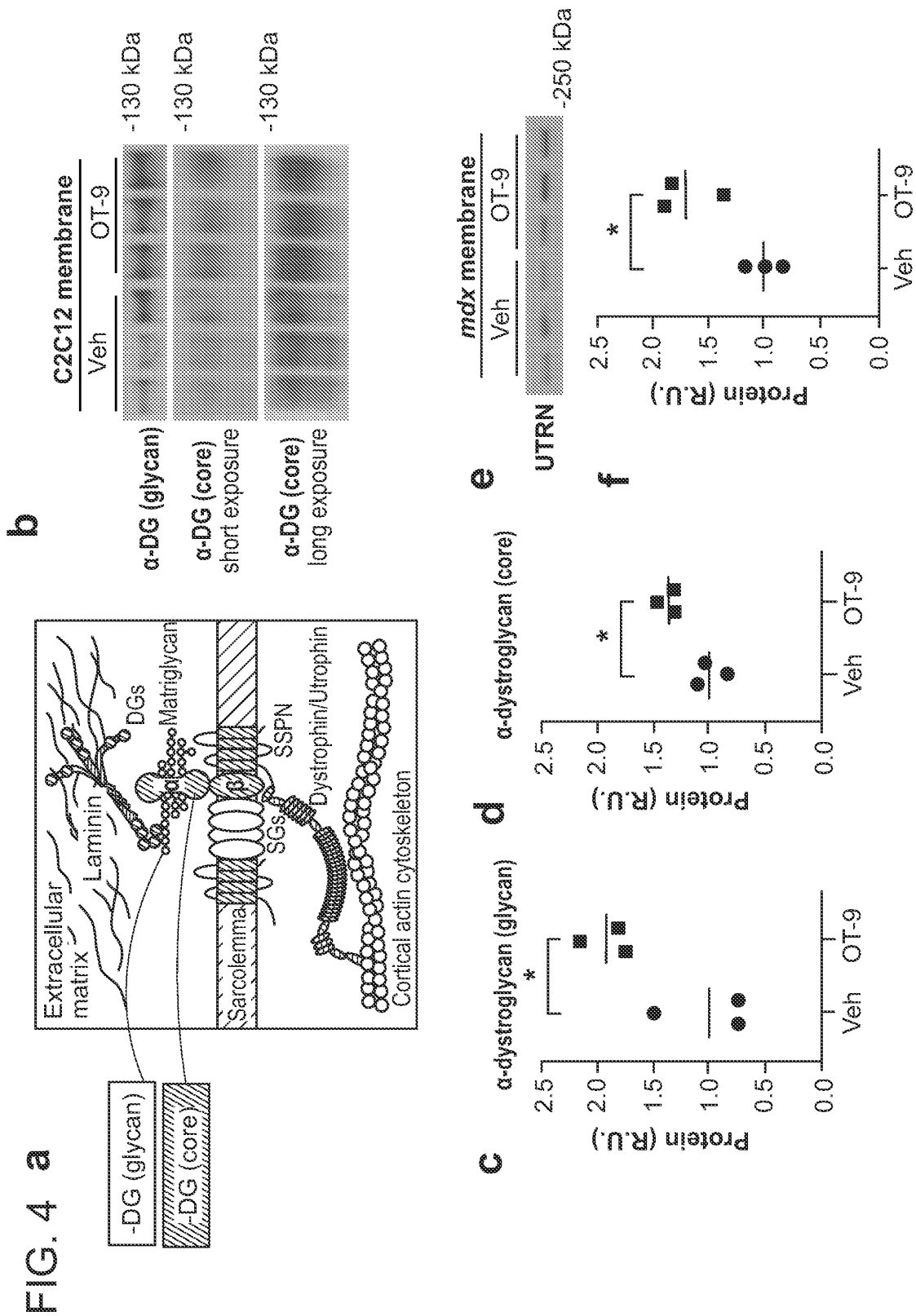


FIG. 5

7/16

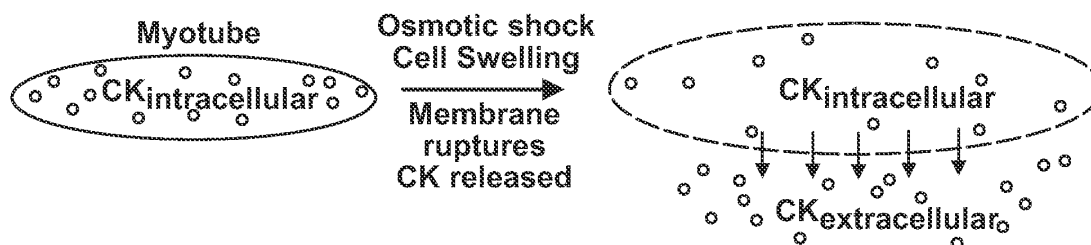
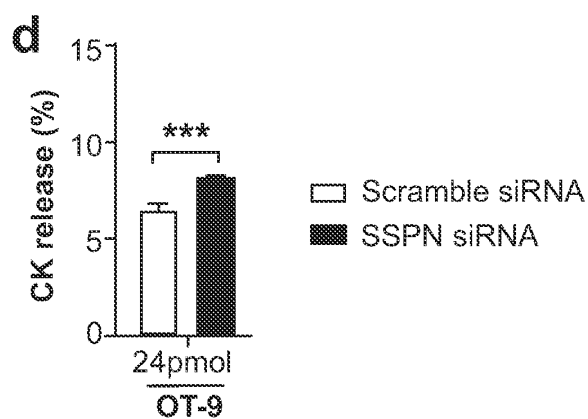
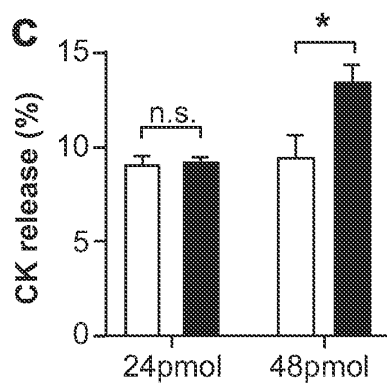
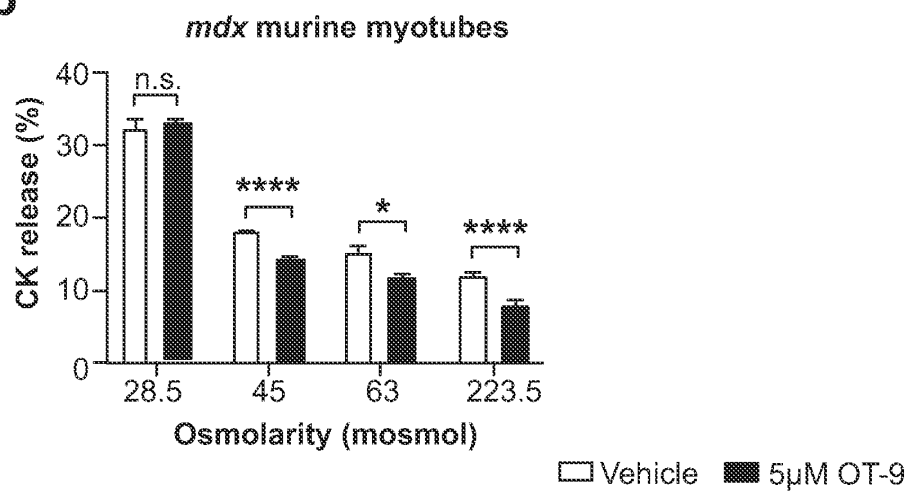
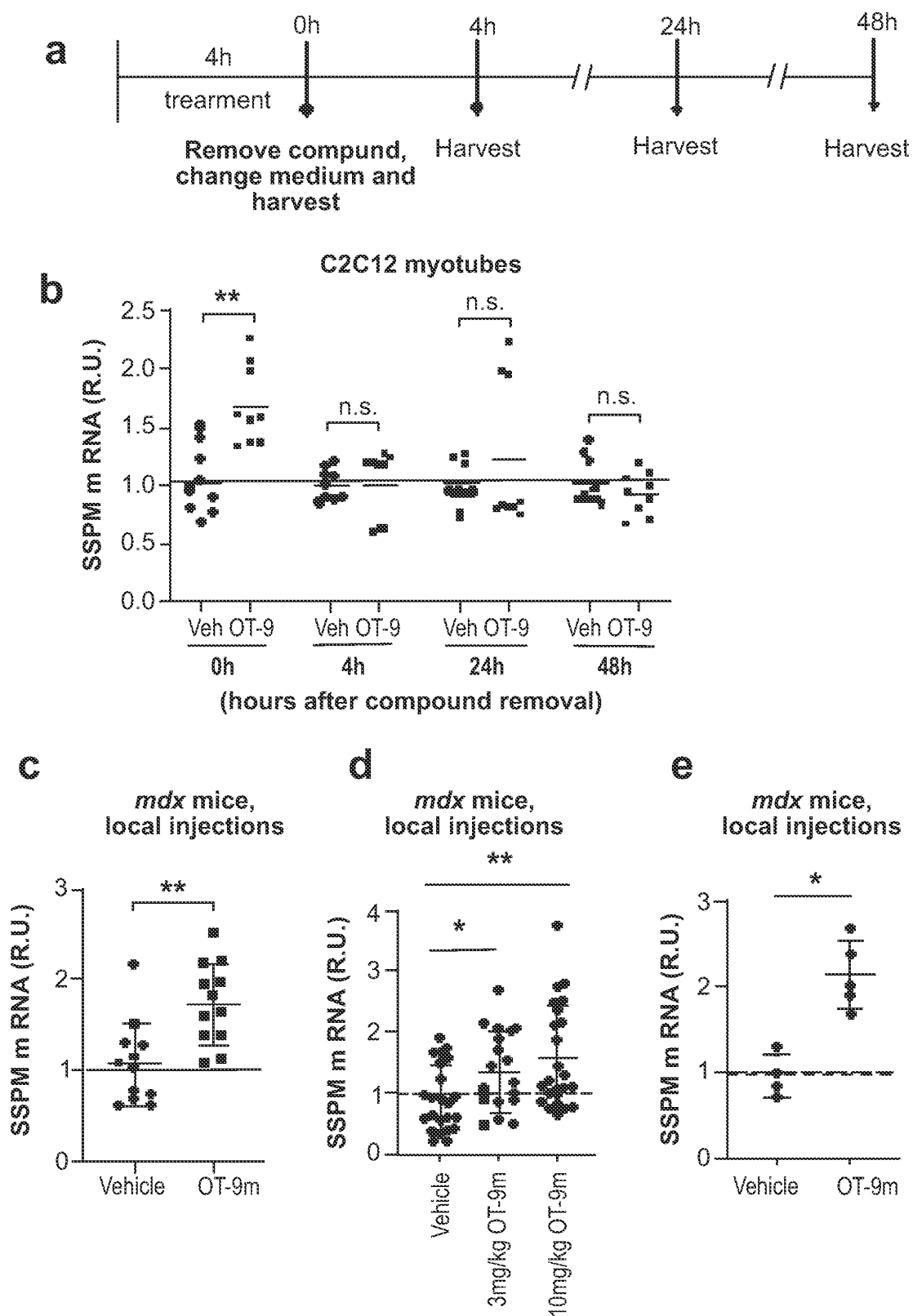
a**b**

FIG. 6

8/16



SUBSTITUTE SHEET (RULE 26)

9/16

FIG. 7

Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*	Plate#	SSMD*
1	1.1	77	2.16	153	1.12	229	1.34	305	1.52	381	1.71	457	2.16														
2	1	78	1.2	154	207	230	1.31	306	1.47	382	2.28	458	1.6														
3	1	79	1.01	155	1.34	231	1	307	1.81	383	1.79	459	1.62														
4	1.01	80	1.33	156	2	232	1.09	308	2.74	384	2.59	460	1.98														
5	1.85	81	1.23	157	2.37	233	1.7	309	1.68	385	2.59	461	2.5														
6	1.04	82	1.53	158	2.16	234	1.37	310	1.34	386	2.19	462	1.75														
7	1.68	83	1.24	159	2.15	235	1.97	311	1.97	387	1.83	463	2.37														
8	1.21	84	1.19	160	1.39	236	1.24	312	1.68	388	2.02	464	1.98														
9	1.54	85	1.37	161	1.63	237	1.35	313	1.68	389	2.66	465	1.93														
10	1.28	86	1.24	162	1.23	238	1.07	314	1.88	390	2.03	466	2.69														
11	1.11	87	1.14	163	1.13	239	1.08	315	2.03	391	2.15	467	1.67														
12	1	88	1.1	164	1.51	240	1.08	316	2.24	392	2.41	468	2.67														
13	1.49	89	1	165	1.18	241	1.03	317	2.28	393	3.07	469	2.36														
14	1	90	1.15	166	1.17	242	1.04	318	1.73	394	3.1	470	2.36														
15	1.17	91	1.14	167	2.05	243	1.1	319	1.56	395	2.22	471	1.66														
16	1.66	92	1.05	168	2.55	244	1	320	2.68	396	2.24	472	1.34														
17	1.22	93	1.33	169	1.25	245	1.1	321	2.41	397	3.27	473	2.48														
18	1	94	1.67	170	2.21	246	1.55	322	1.73	398	1.96	474	2.11														
19	1.53	95	1.42	171	2.79	247	1.07	323	3.3	399	2.63	475	2.78														
20	1	96	1.05	172	1.53	248	1.03	324	2.42	400	1.5	476	3.62														
21	1.14	97	1.49	173	2.63	249	1.8	325	2.01	401	2.75	477	2.41														
22	1.32	98	1.19	174	1.85	250	1.08	326	1.77	402	1.31	478	3.22														
23	1.22	99	1.05	175	2.62	252	1.59	327	2.42	403	2.32	479	1.05														
24	1	100	1.25	176	1.82	252	1.65	328	2.28	404	2.81	480	2.16														
25	1.08	101	1.53	177	2.33	253	1.08	329	2.05	405	2.47	481	1														
26	1.5	102	1.12	178	2.16	254	2.05	330	3.35	406	2.24	482	1.26														

9/16/1

FIG. 7 (cont.)

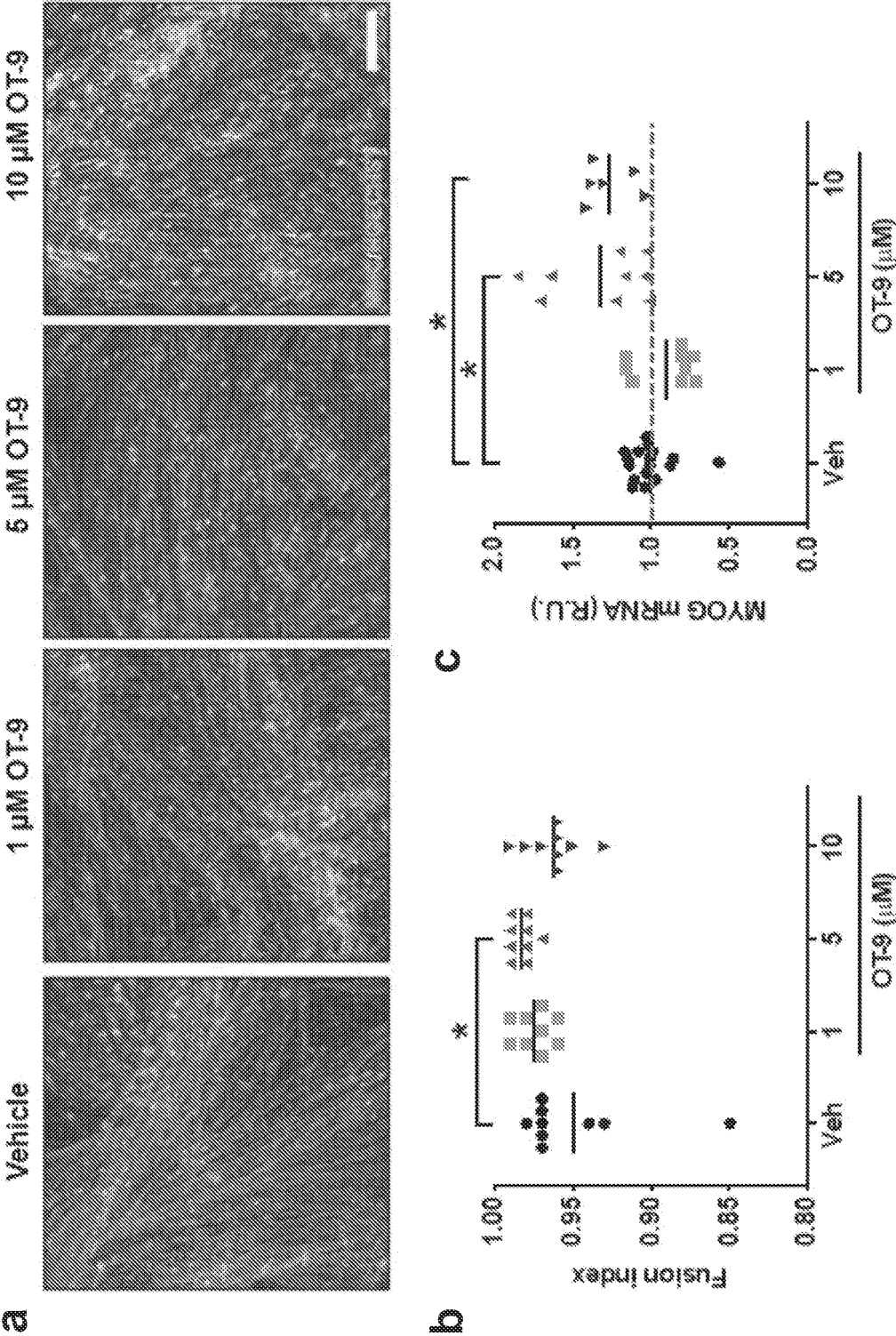
27	1.17	103	1.29	179	1.68	255	1.56	331	1.53	407	283	483	1.1
28	1	104	1.72	180	2.38	256	1.18	332	1.48	408	271	484	1.25
29	1.36	105	1.42	181	1.49	257	1.54	333	1.51	409	1.09	485	1.67
30	223	106	1.81	182	1.77	258	1.54	334	1.83	410	1.03	486	1.4
31	279	107	1.42	183	2.03	259	1	335	1.07	411	1	487	1.4
32	1.68	108	1.74	184	2.56	260	1.04	336	2.38	412	1.01	488	1
33	1.01	109	1.27	185	2.95	261	1.04	337	1.62	413	1.33	489	1.36
34	2.37	110	1.01	186	1.28	262	1.14	338	1.62	414	1.35	490	1.27
35	1.65	111	1.62	187	1.62	263	1.26	339	2.31	415	1.65	491	1.07
36	203	112	1.03	188	1.11	264	1.44	340	1.2	416	1.98	492	1.46
37	1.85	113	1.46	189	1.02	265	1.53	341	1.58	417	1.66	493	1.1
38	1.32	114	1	190	1.38	266	1.82	342	1.77	418	1.75	494	1.56
39	1.49	115	1.4	191	1.43	267	1.4	343	1	419	1.62	495	1.26
40	1.49	116	1.22	192	1.61	268	1.47	344	1.17	420	1.7	496	1.54
41	221	117	1.32	193	2.07	269	1.5	345	1.12	421	21	497	1.81
42	221	118	1.05	194	1.05	270	1.86	346	1.37	422	209	498	1.3
43	1.46	119	1.59	195	1.31	271	1.84	347	1.85	423	1.77	499	1.5
44	1.38	120	1.12	196	1.03	272	1.41	348	1.49	424	1.6	500	1.91
45	1	121	1.86	197	1.13	273	1.65	349	1.73	425	1.5	501	1.44
46	1	122	1.68	198	1.4	274	2.36	350	1.58	426	1.4	502	1.66
47	1.02	123	1	199	1.21	275	2.13	351	1.92	427	1.45	503	201
48	1.17	124	2.24	200	1.42	276	2.38	352	2.32	428	1.89	504	1.45
49	1	125	1.61	201	1	277	1.22	353	2.11	429	1.7	505	1.75
50	1.18	126	1.27	202	1.13	278	1.73	354	1.77	430	1.57	506	1.64
51	1	127	1.04	203	1.19	279	2.36	355	2.19	431	1.56	507	2.1
52	1.01	128	1.39	204	1.44	280	2.31	356	2.70	431	1.88	508	1.9
53	1.39	129	1.98	205	1.43	281	2.25	357	1.55	433	1.88	509	2.13

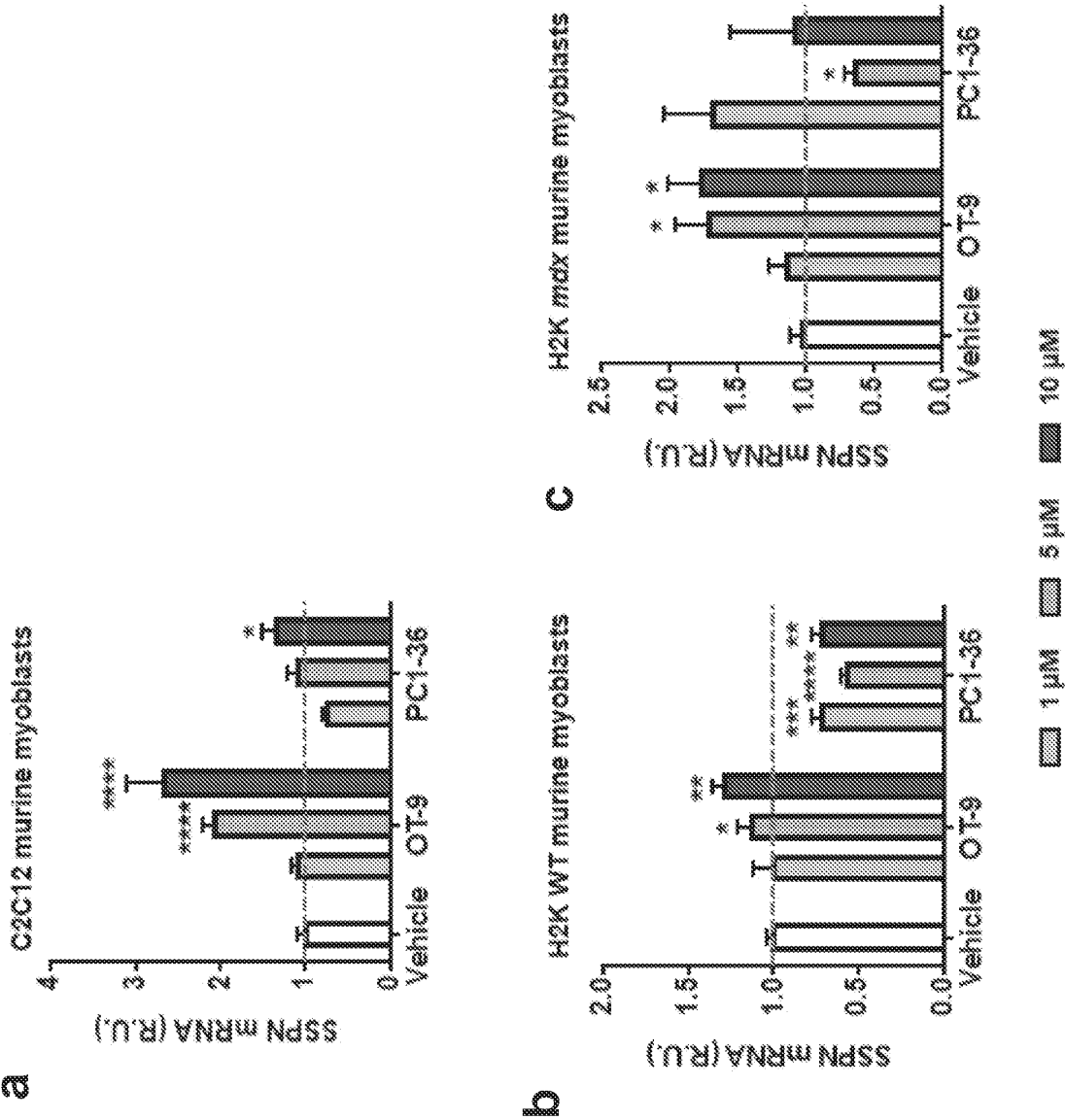
9/16/2

FIG. 7 (cont.)

54	1.4	130	1	206	1.52	282	259	358	1.38	434	1.82	510	1.72
55	1.10	131	1.46	207	1.03	283	248	359	1.49	435	21	511	268
56	1.08	132	1.23	208	1.2	284	223	360	1.49	436	1.8	512	1.37
57	1	133	1.2	209	1.25	285	22	361	1.59	437	1.53	513	1.09
58	1.52	134	1.68	210	1.01	286	1.96	362	1.69	438	213	514	1.63
59	1	135	1.36	211	1.06	287	202	363	1.47	439	1.48	515	1.05
60	1.48	136	24	212	1.17	288	248	364	1.65	440	211	516	1
61	3.02	137	1.01	213	1.33	289	28	365	245	441	1.43	517	1.23
62	1.29	138	1.18	214	1.63	290	25	366	1.95	442	236	518	1.22
63	1.24	139	1.09	215	1.27	291	294	367	1.69	443	1.86	519	1.02
64	1.02	140	1.64	216	1	292	241	368	1.8	444	3.29	520	1
65	1.04	141	1.5	217	1.81	293	256	369	22	445	1.23	521	1.33
66	1	142	1	218	1.35	294	231	370	207	446	1.19	522	204
67	1.29	143	1	219	1.45	295	135	371	262	447	1.59	523	1.08
68	1.12	144	1.09	220	1.72	296	133	372	24	448	1.73	524	216
69	1	145	1.06	221	1.97	297	1.02	373	277	449	1.93	525	1.76
70	1.38	146	1.63	222	1.2	298	1.78	374	1.78	450	1.32	526	1.04
71	208	147	1.28	223	1.49	299	1.19	375	1.71	451	1.58	527	1.88
72	1.87	148	1.34	224	1.23	300	1.77	376	213	452	273	528	1.64
73	1.3	149	1.84	225	1.41	301	1.92	377	1.49	453	228	529	1.74
74	1.11	150	1.3	226	1.33	302	1.73	378	1.49	454	1.78	530	242
75	1.32	151	1.08	227	1.38	303	1.93	379	224	455	1.73	531	1.41
76	2.14	152	1.03	228	1.33	304	1.71	380	1.87	456	1.57	532	1.29

FIG. 8





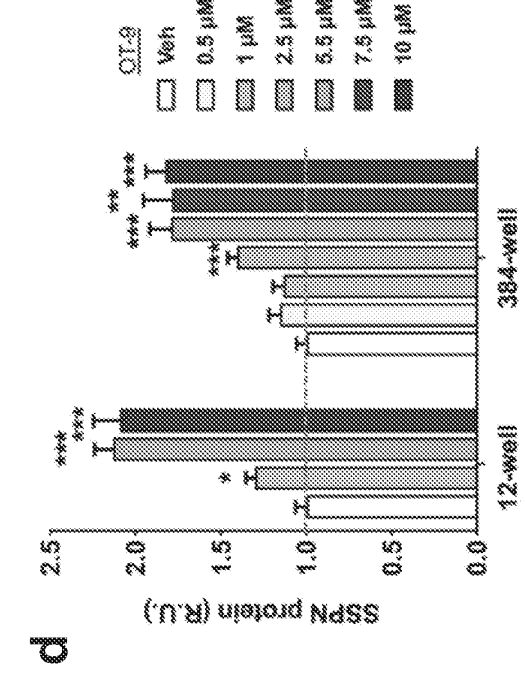
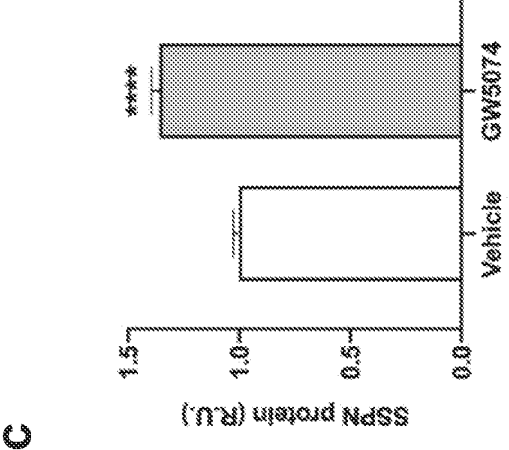
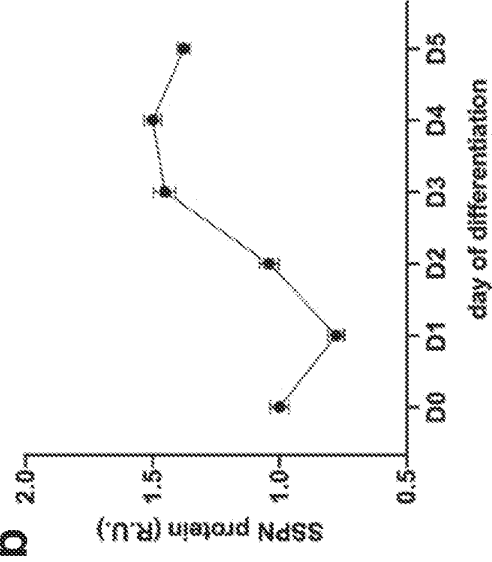
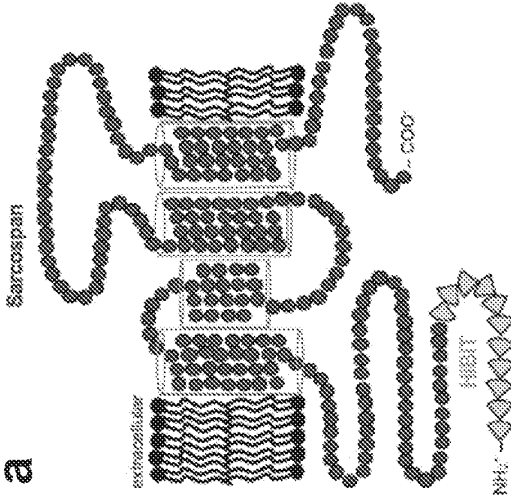


FIG. 10

13/16

FIG. 11

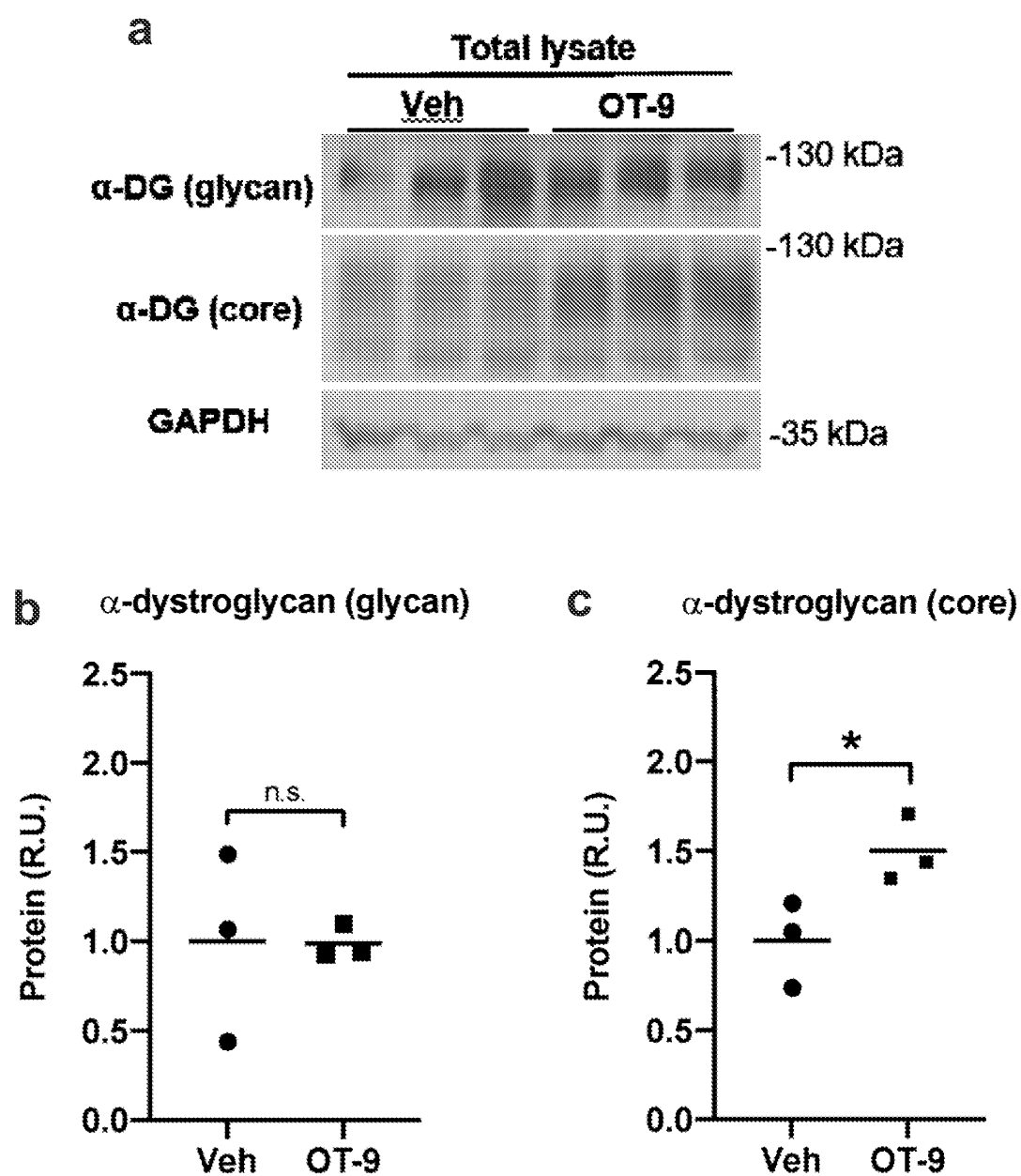


FIG. 12

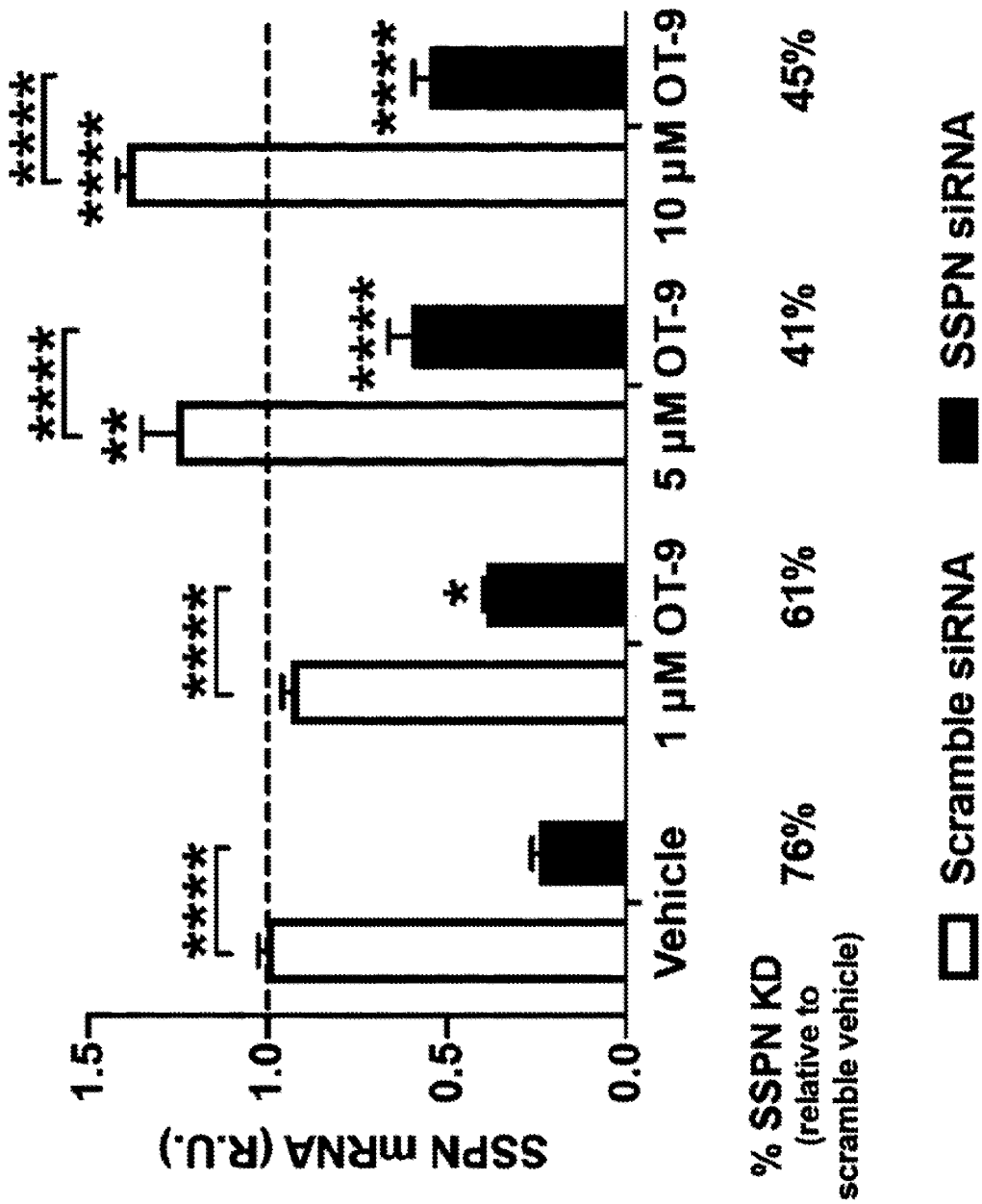


FIG. 13

Compound	Incubation Time (minutes)	% Compound Remaining				Half-Life (minutes)		
		1 st	2 nd	Mean	Mean	1 st	2 nd	Mean
OT-9	0	100.0	100.0	100				
	30	94.0	89.5	92				
	60	84.7	86.3	86				
	120	78.3	78.1	78				
	1440	11.6	10.5	11		470.7	452.4	462
PC1-36	0	100.0	100.0	100				
	30	94.8	88.2	92				
	60	71.0	69.6	70				
	120	43.7	48.5	46		644.4	643.2	644
	1440	17.3	17.2	17				

FIG. 14

Compound	Incubation Time (minutes)	% Compound Remaining			Half-Life (minutes)		
		1 st	2 nd	Mean	1 st	2 nd	Mean
OT-9	0	100.0	100.0	100	50.1	48.1	49
	30	28.3	33.8	31			
	60	9.8	10.1	10			
	120	3.6	2.5	4			
	240	2.7	2.1	2			
	1440	0.6	0.5	1			
PC1-36	0	100.0	100.0	100	131.5	140.4	136
	30	81.5	79.7	81			
	60	66.8	55.9	61			
	120	37.1	46.4	46			
	240	27.5	29.0	28			
	1440	0.8	1.0	1			