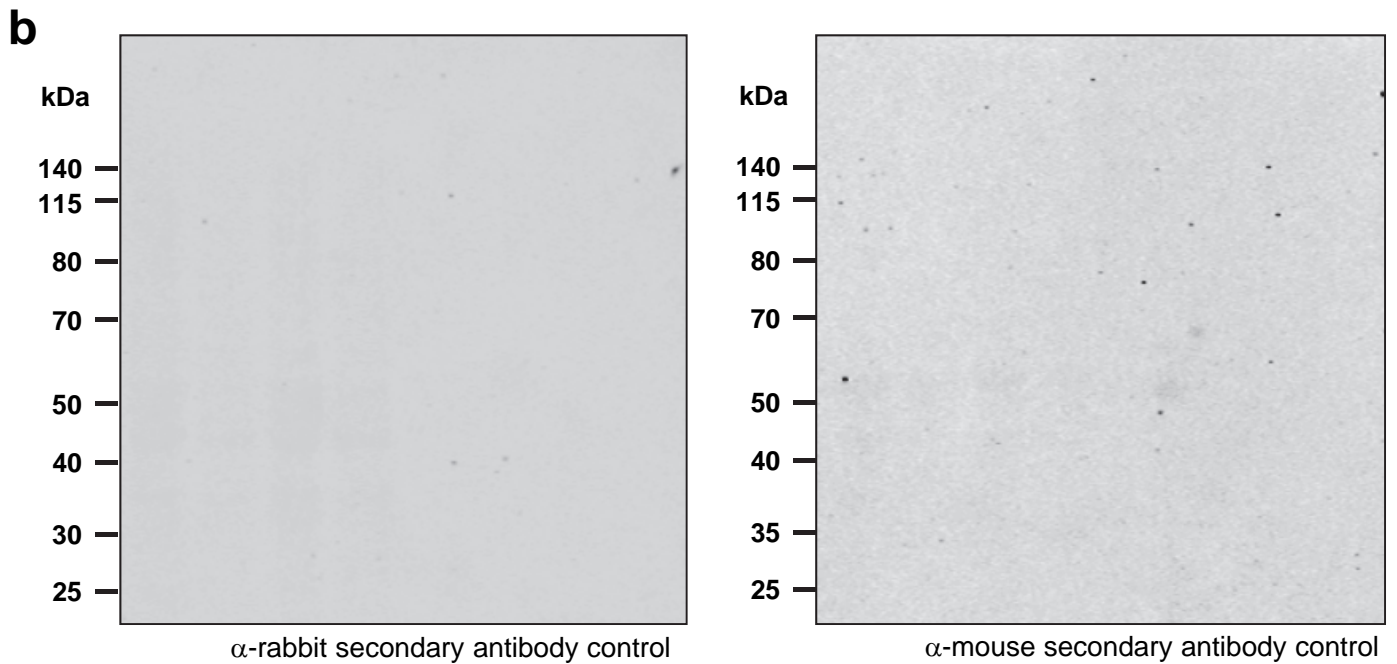
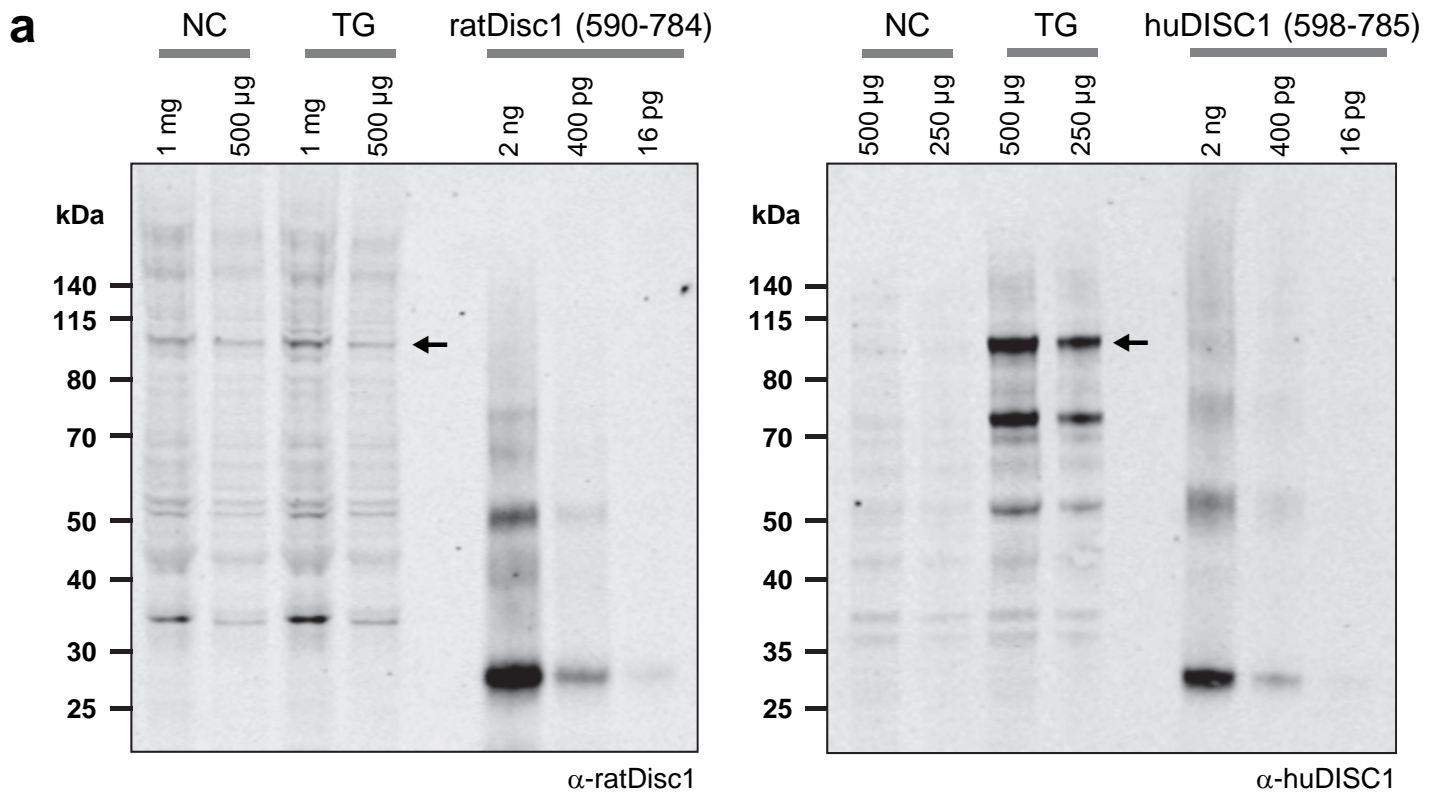


Figure S1



c endogenous and transgenic DISC1 in 500 µg of P58 brain tissue

neg. control

endogenous Disc1 ~ 44 pg

tgDISC1 rat

transgenic DISC1 ~ 490 pg

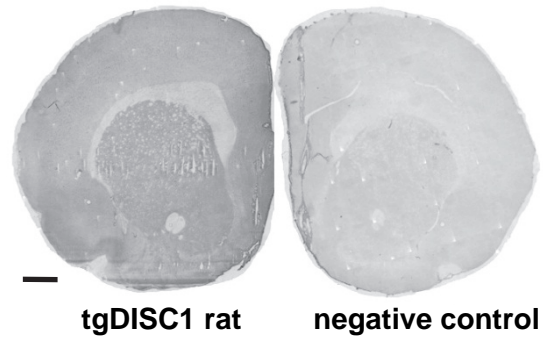
endogenous Disc1 ~ 43 pg

factor overexpression
(ratio TG/NC)

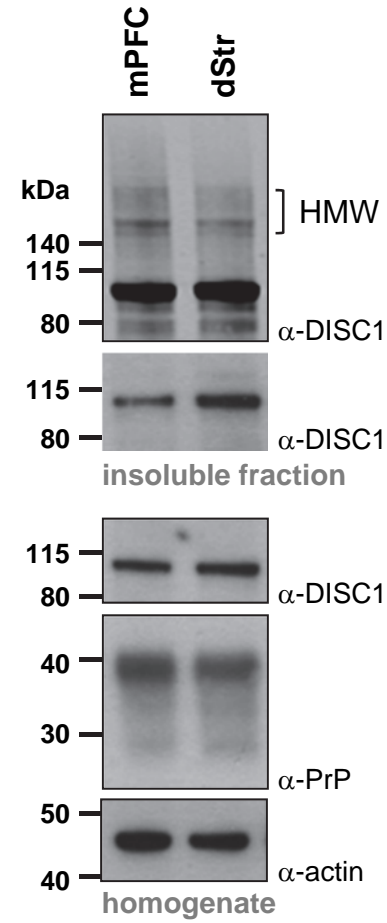
11

Figure S2

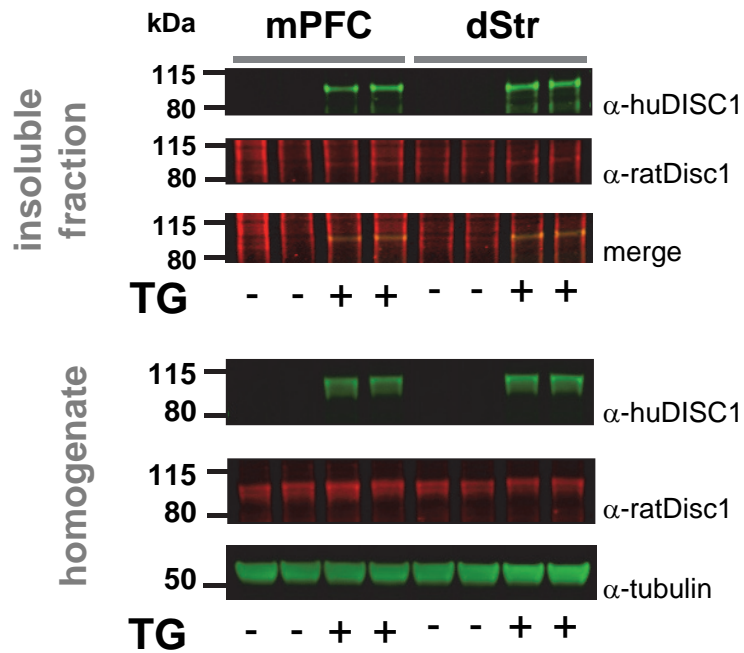
a



b



c



d

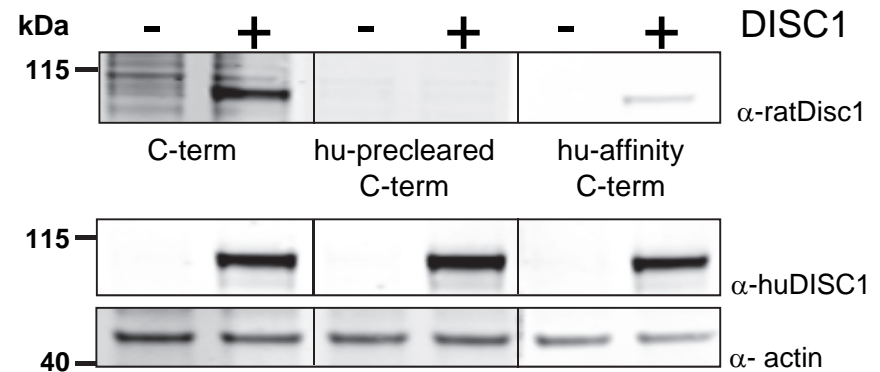


Figure S3

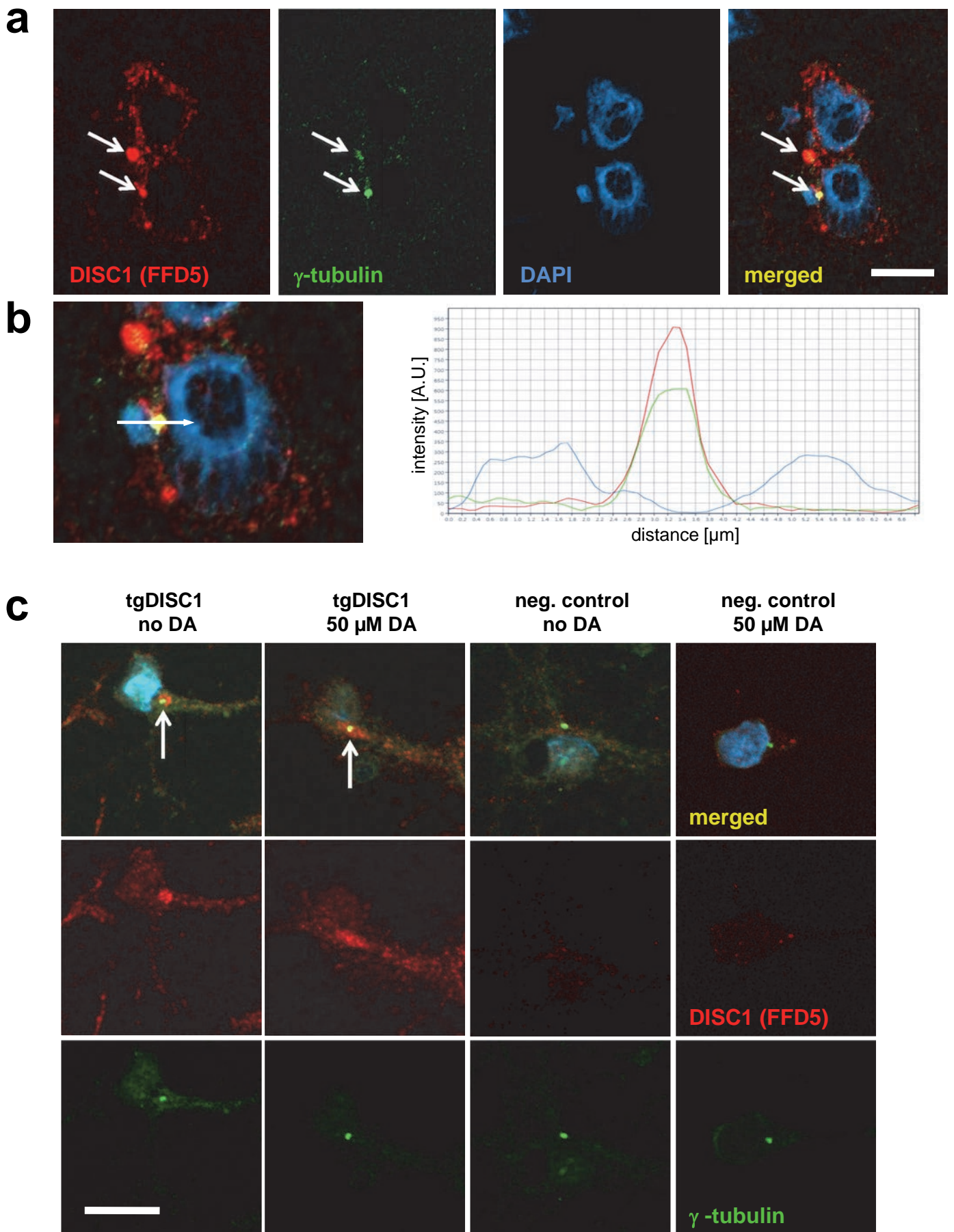


Figure S4

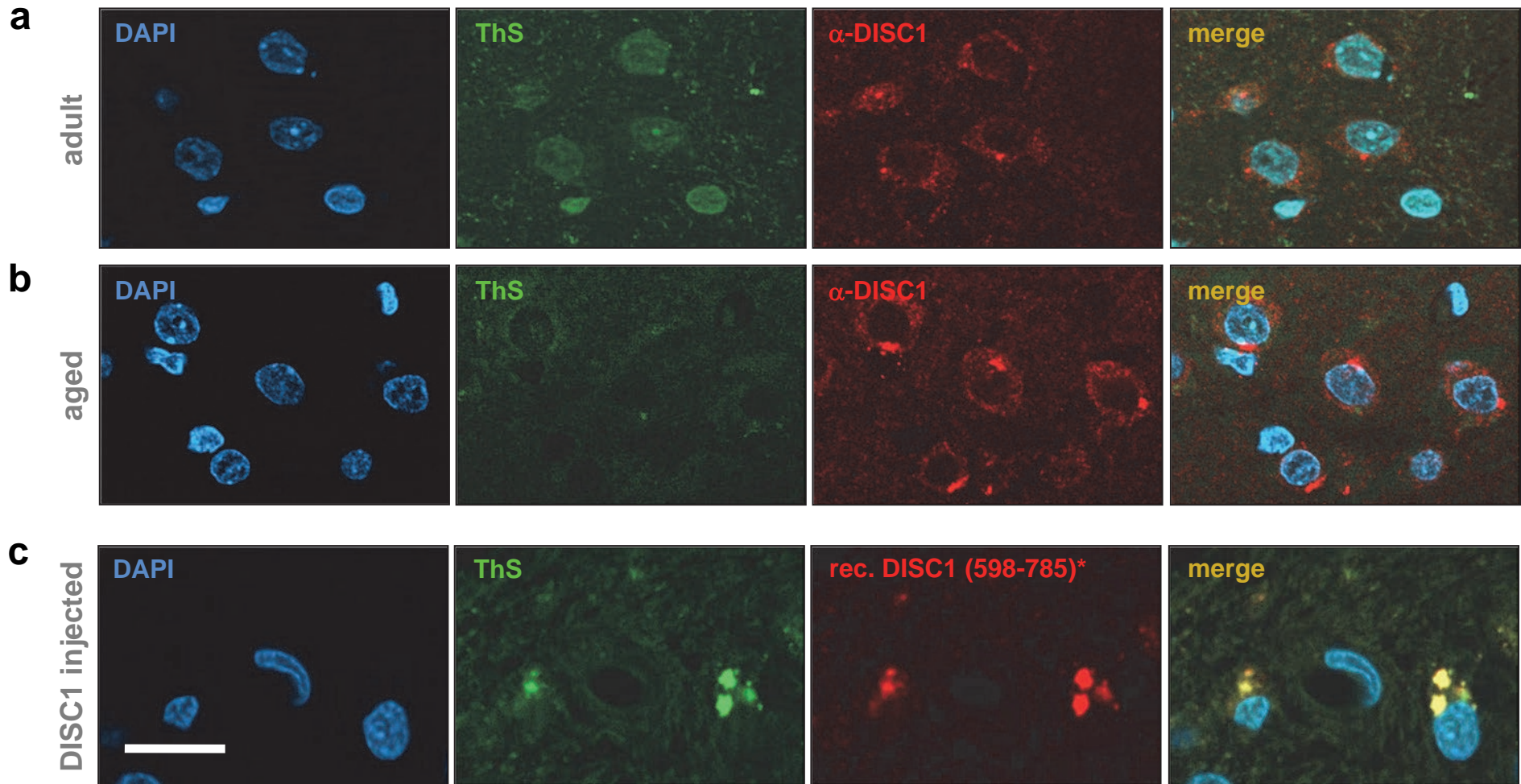
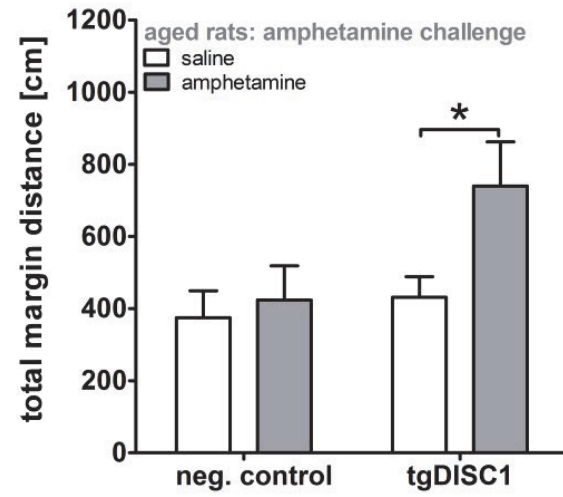
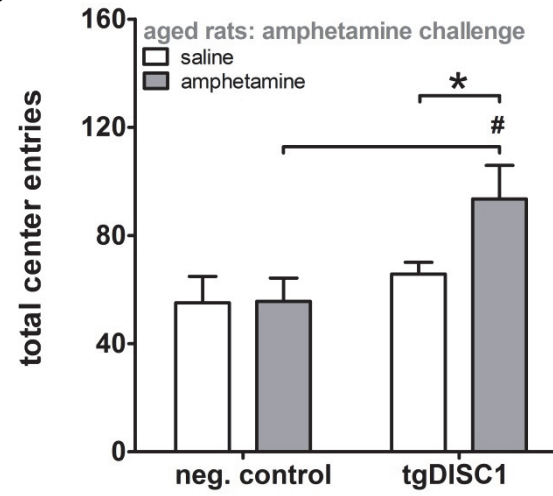


Figure S5

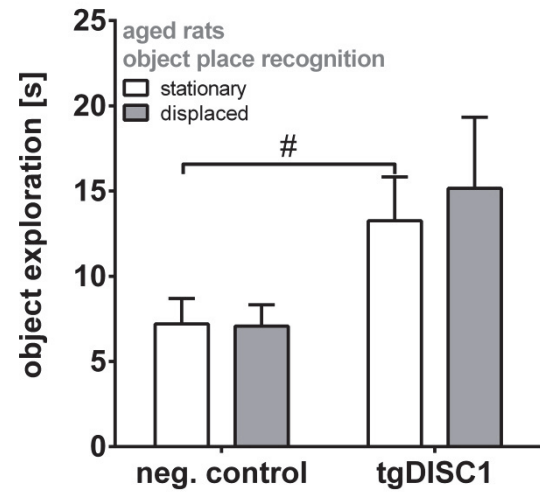
a



b



c



d

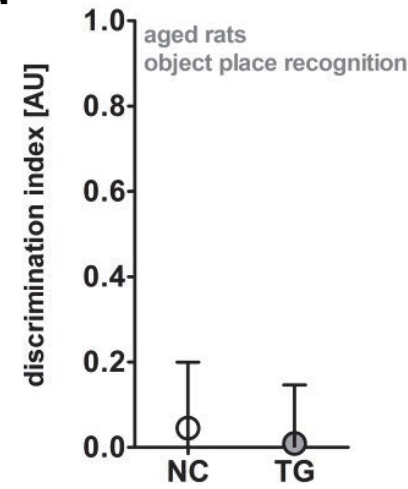


Figure S6

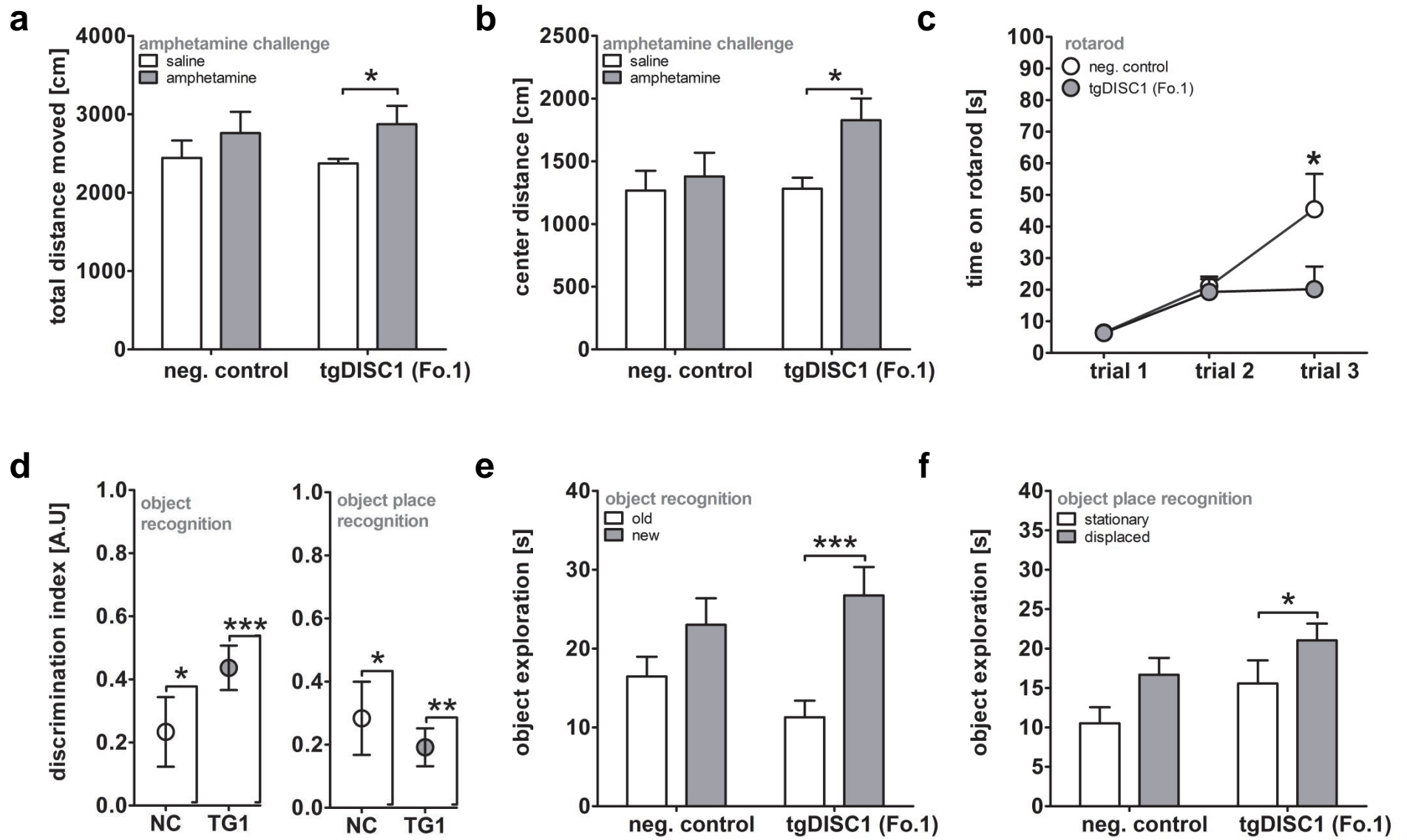


Figure S7

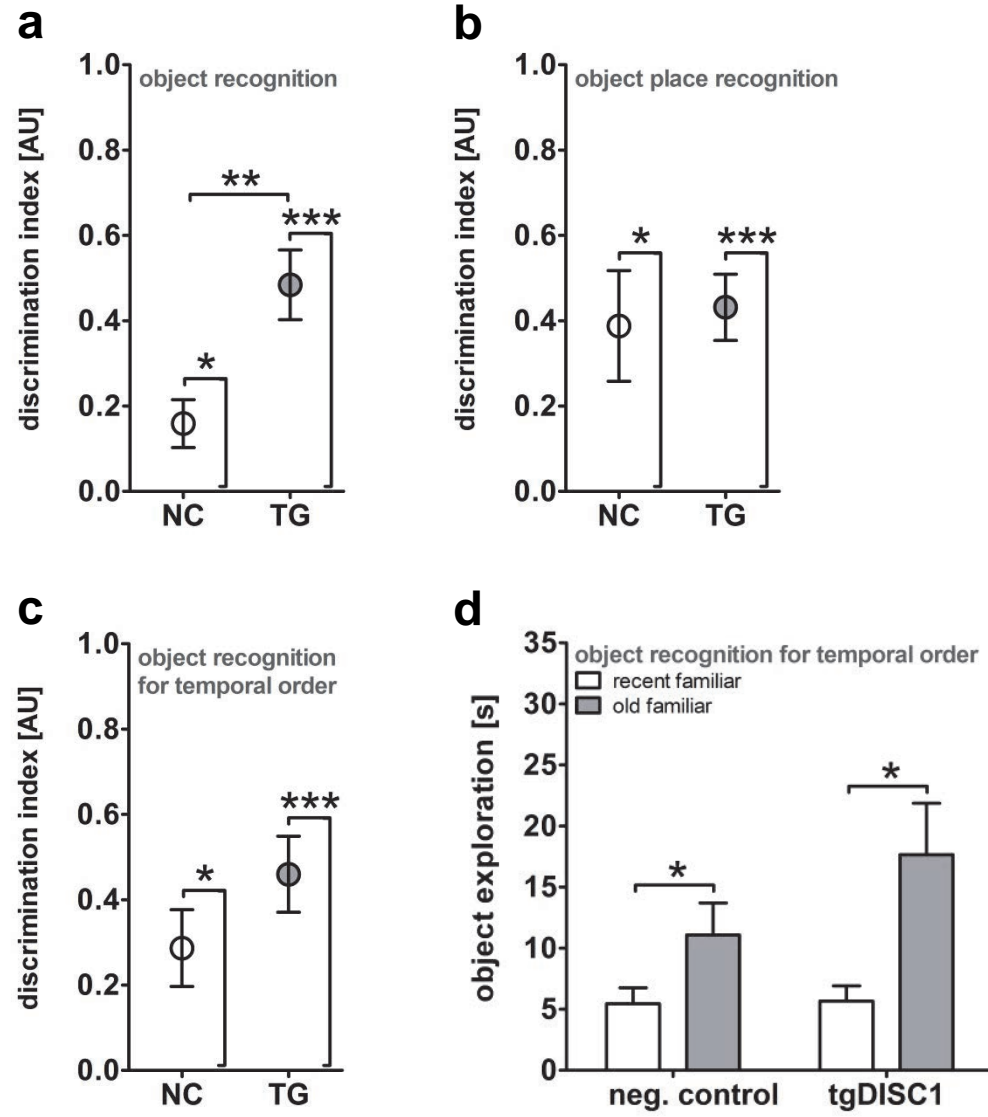


Figure S8

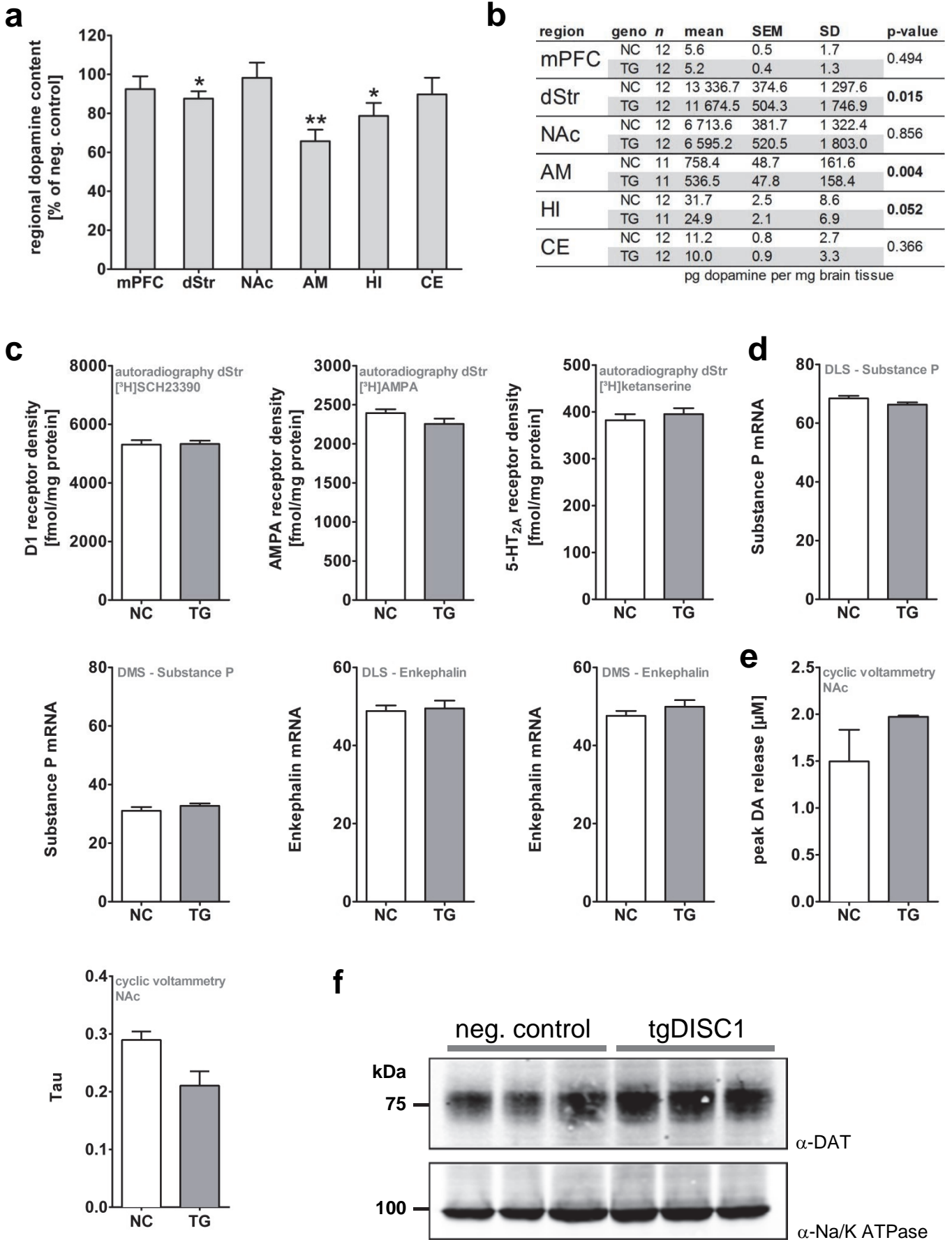


Figure S9

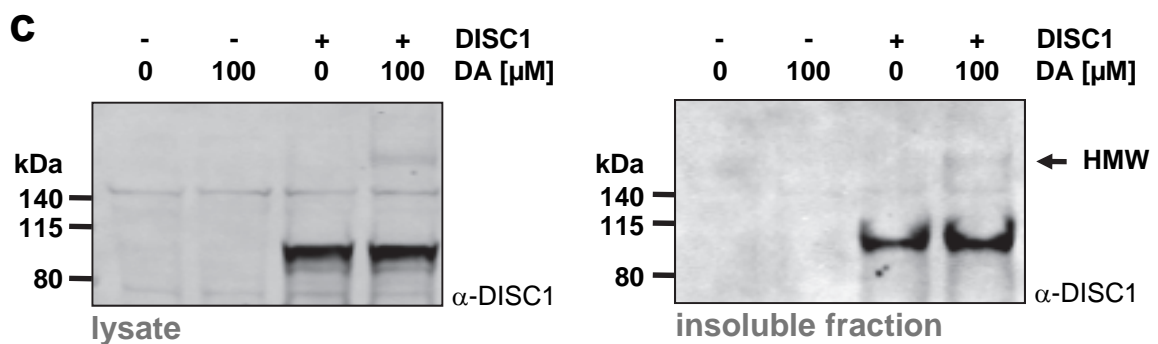
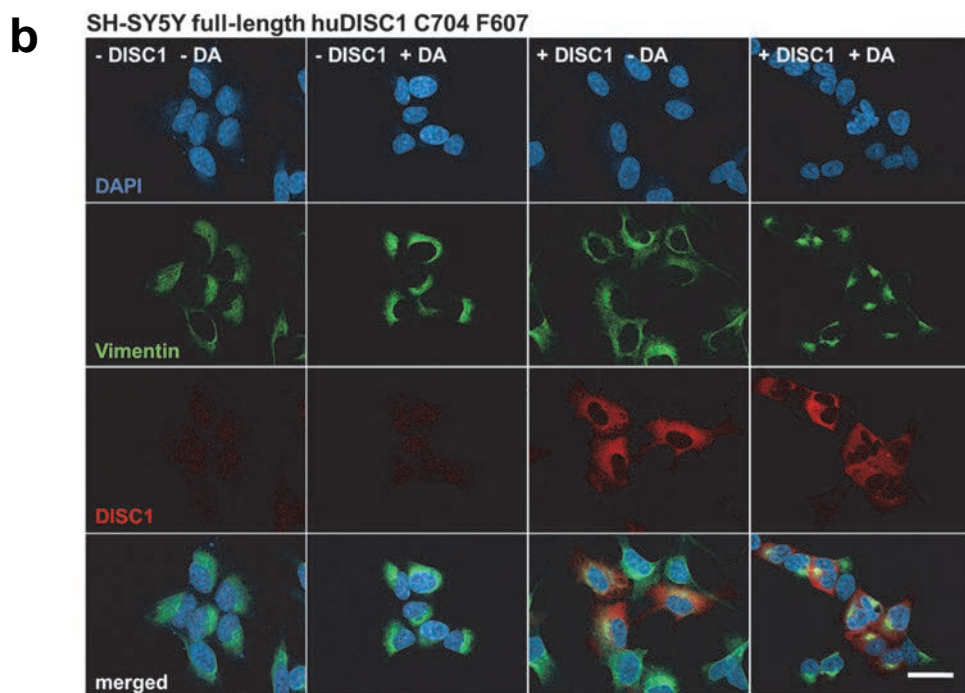
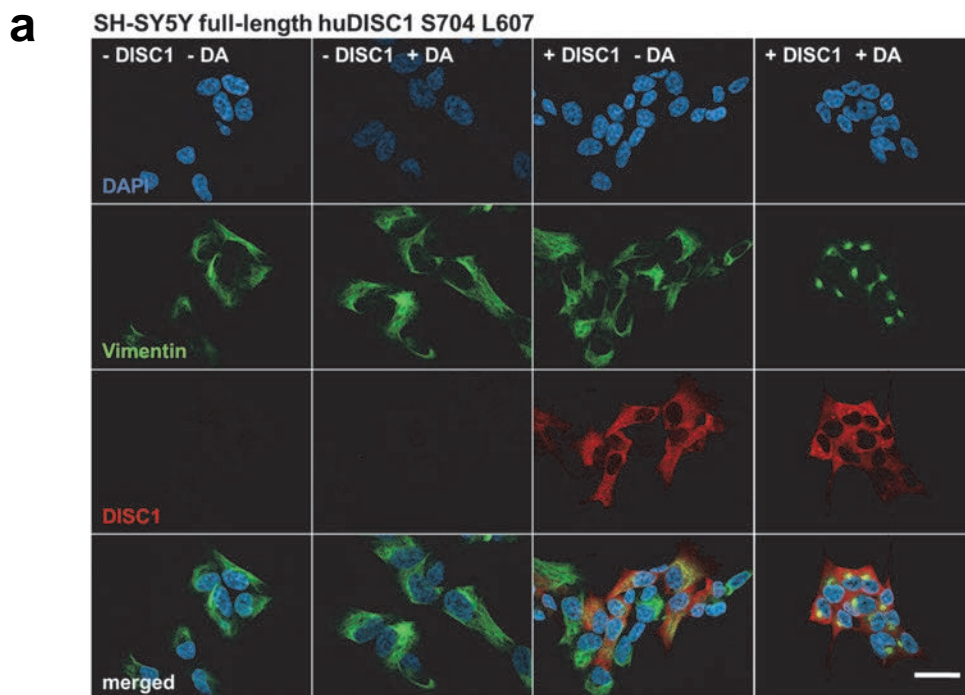


Figure S10

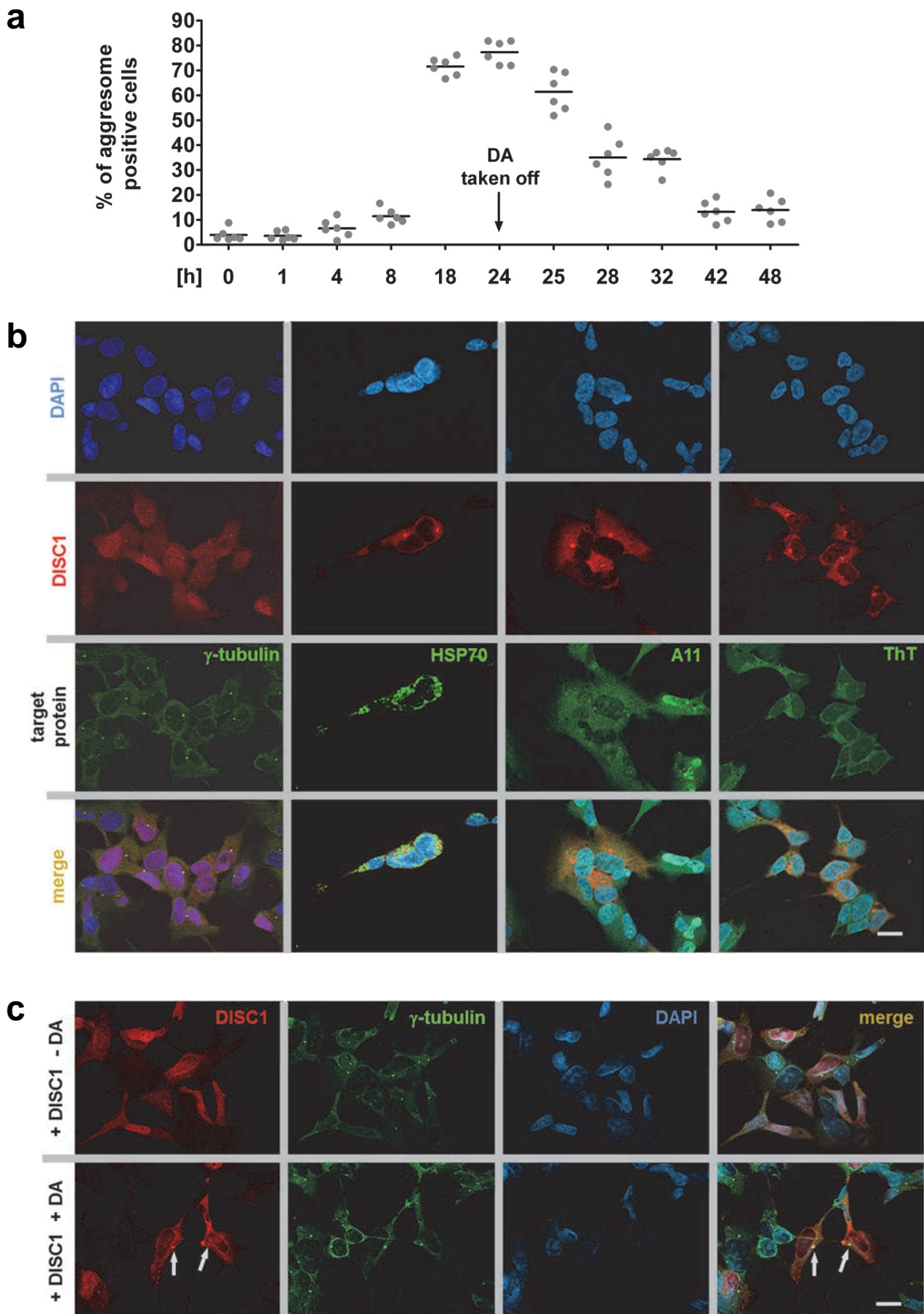


Figure S11

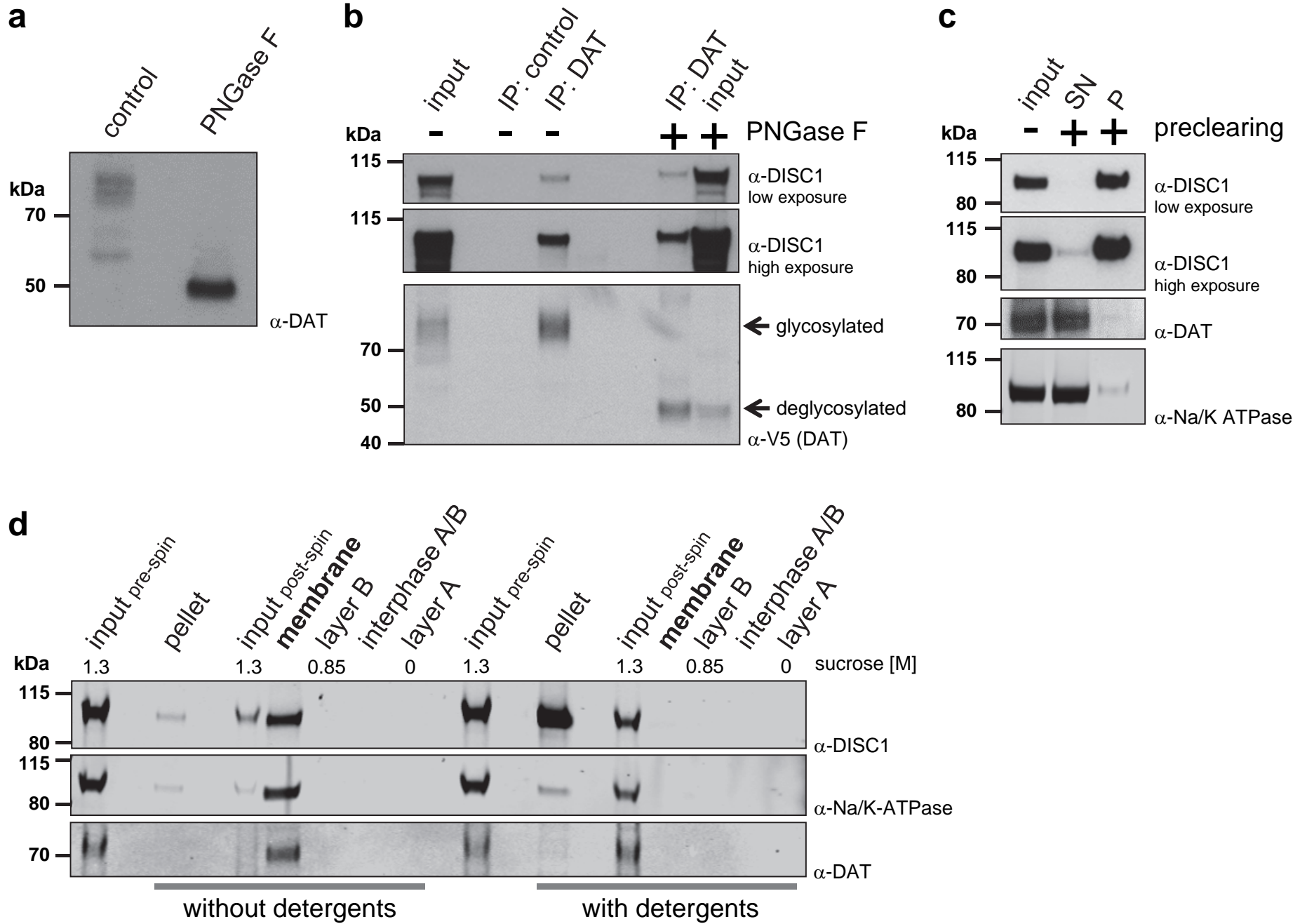


Figure S12

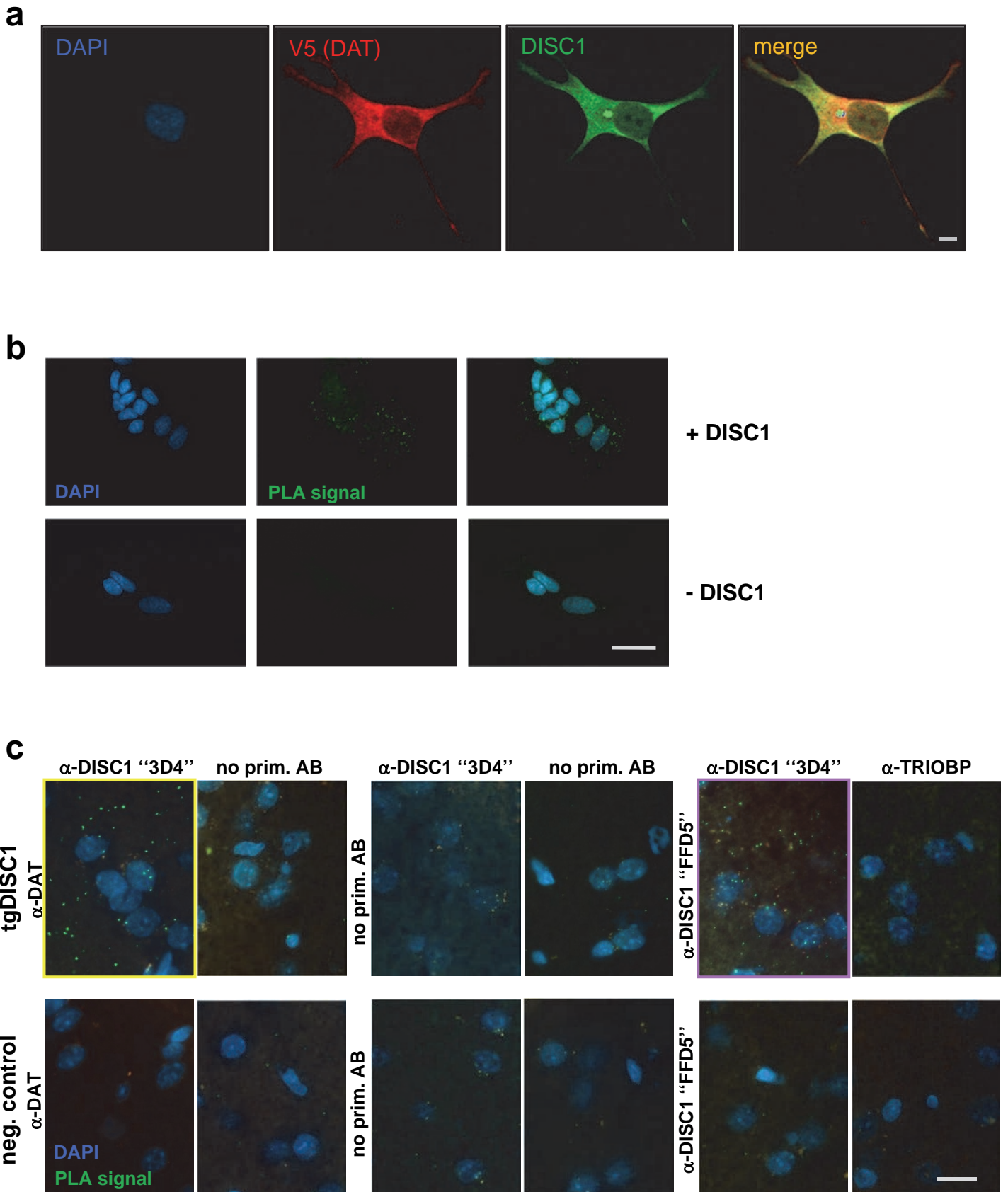
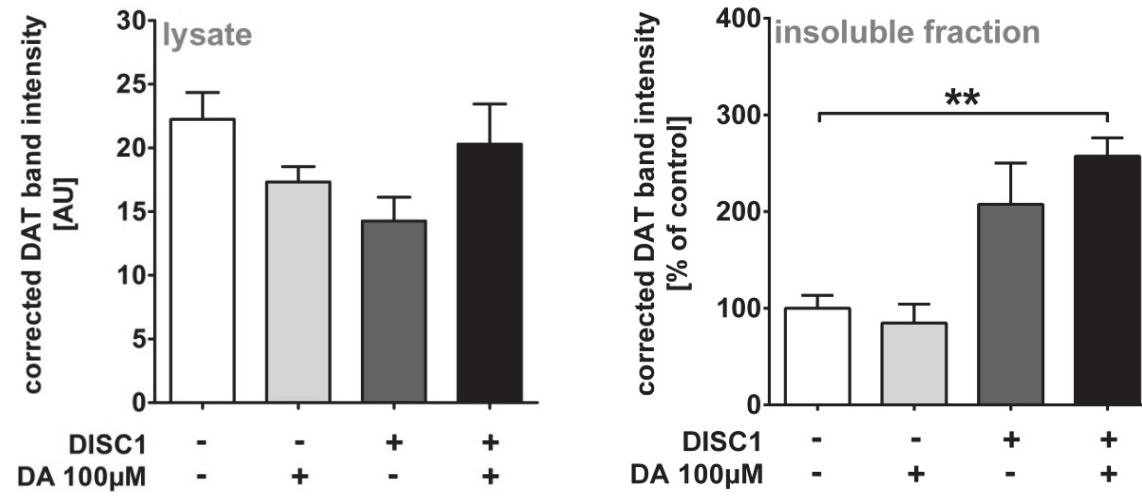


Figure S13

a



b

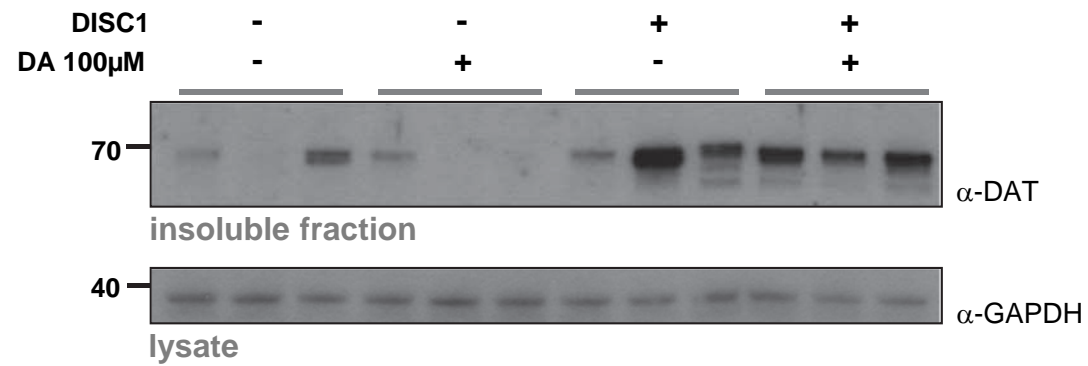
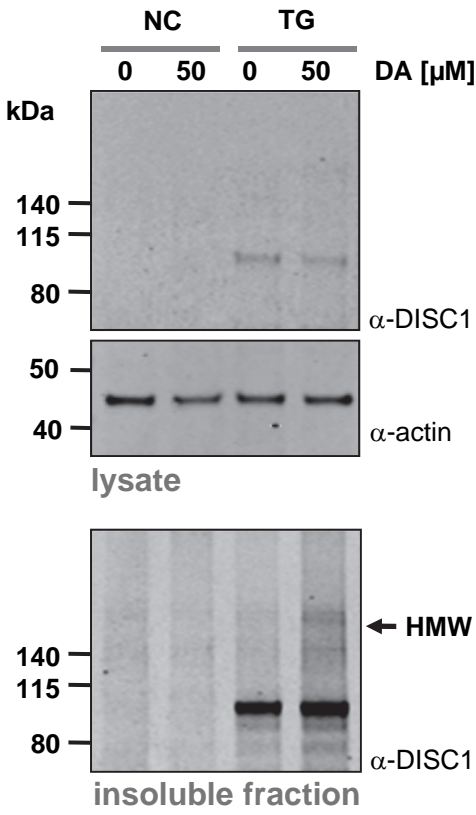


Figure S14

a



b

Sequence	Start position	End position	Length	Mass	Missed cleavages	Charges	PEP	Score
AASLDGPHEDPR	249	260	12	1263,58	0	2,3	0,00049799	116,03
AGSRDCLPPAACFR	22	35	14	1576,72	1	3	0,032788	50,897
ALQDTLASAGQIPFHAEPETIR	522	544	23	2461,26	0	3	2,58E-07	130,73
DCLFPAACFR	26	35	10	1205,53	0	2	0,0010389	119,68
DVLLQEQK	456	462	7	930,48	0	2	0,0022329	153,04
EAESHCSQSPQEMGAK	234	248	15	1687,69	0	2,3	0,0056277	82,578
EESYLSAELGEK	769	781	13	1466,71	0	2	1,84E-07	174,46
EGLEGLLSK	619	627	9	944,52	0	2	0,0029906	106,88
EIEALQAR	468	475	8	928,50	0	2	0,012076	95,143
EIEFEQQLQWGGCDLPLVGLSLGQLQEVSK	489	521	33	3809,88	0	3,4	1,23E-07	125,34
ETLQAMILQLQPAK	820	833	14	1582,88	0	2	0,010025	75,927
EVEHQETAYETSVK	652	665	14	1648,76	0	2,3	2,04E-22	266,07
FPGVSGEESHSESR	67	82	16	1697,74	0	2,3	2,00E-07	153,41
GATQQAQSGDDTHTPLR	419	434	16	1653,77	0	2,3	1,11E-11	193,54
GATQQAQSGDDTHTPLRMEPR	419	438	20	2167,01	1	3	0,0033567	74,732
GSLSVEDER	712	720	9	990,46	0	2	0,0008629	132,88
GSLSVEDERQMDLEGAAPPPIPR	712	735	24	2578,23	1	3	0,00031866	102,15
GTSAHFGILR	113	123	11	1185,63	0	2,3	6,64E-12	215,06
ISLHFQLPSR	388	397	10	1196,67	0	2,3	0,001042	106,62
KKVNDIETQLPALLEAK	576	592	17	1909,09	2	3	4,25E-05	128,82
KLGSVKEDYNR	638	648	11	1307,68	2	2,3	0,00068595	121,29
KVNDIETQLPALLEAK	577	592	16	1780,99	1	3	7,51E-07	153,41
LEDLEQEK	380	387	8	1002,49	0	2	1,58E-05	179,37
LEDLEQEKISLHFQLPSR	380	397	18	2181,14	1	3	3,52E-05	116,61
LGSVKEDYNR	639	648	10	1179,59	1	3	0,003567	50,034
LLEPTAQDLSHVSITR	439	454	16	1778,95	0	3	0,0036885	82,483
LLEPTAQDLSHVSITRR	439	455	17	1935,05	1	4	0,03462	37,77
LLIQLQLQEAR	700	711	12	1410,82	0	2,3	2,48E-13	246,63
LLVLSR	628	634	7	786,50	0	2	0,010114	104,21
LQEDAVENDDYK	360	372	13	1552,65	0	2	3,27E-07	170,74
LQEDAVENDDYKAETLQQR	360	379	20	2379,08	1	2,3	5,97E-19	247,28
LQEDAVENDDYKAETLQQRLEDEQEK	360	387	28	3363,56	2	4	0,047774	22,406
LSLGSAGER	215	223	9	888,47	0	2	0,00033398	148,8
LSLGSAGEREAGCPPSR	215	233	19	1928,90	1	2,3	2,00E-05	115,53
MFVLEAK	476	482	7	836,45	0	2	0,0099322	101,64
QMDDLEGAAPPPIPR	721	735	15	1605,78	0	2	0,00015349	144,8
QMEVISLR	347	354	8	974,52	0	2	0,039297	69,628
QPALSSFLGHLAAQVQALR	398	417	20	2077,14	0	3	0,001626	82,121
QPALSSFLGHLAAQVQALRR	398	418	21	2233,24	1	4	0,039019	27,333
QQIQKEIQLQEAR	463	475	13	1553,85	1	2,3	0,00019134	140,01
REIFEQQLQWGGCDLPLVGLSLGQLQEVSK	488	521	34	3965,98	1	3,4	0,000124	90,921
RGATQQAQSGDDTHTPLR	418	434	17	1809,87	1	3	3,76E-07	154,31
SAAAPTIVTSVR	102	112	11	1058,57	0	2	1,29E-05	152,67
SINLSLK	552	558	7	773,46	0	2	0,0022914	148,99
SINLSLKITTK	552	563	12	1345,78	1	2,3	0,00050049	137,62
SLTSEREGLEGLLSK	613	627	15	1617,86	1	2,3	1,43E-06	160,03
SSTGRGIGFLFPAVGTFLR	48	66	19	1862,99	0	2,3	2,49E-06	142,58
VNDIETQLPALLEAK	578	592	15	1652,90	0	2,3	1,65E-22	257,16
VNSADLAQAR	273	282	10	1000,93	0	2	9,73E-12	219,72
VVWEADLEACR	690	699	10	1247,56	0	2	2,49E-05	147,74
VVWEADLEACRLIQLSLOLQEAR	690	711	22	2640,37	1	3	1,60E-08	152,86

c

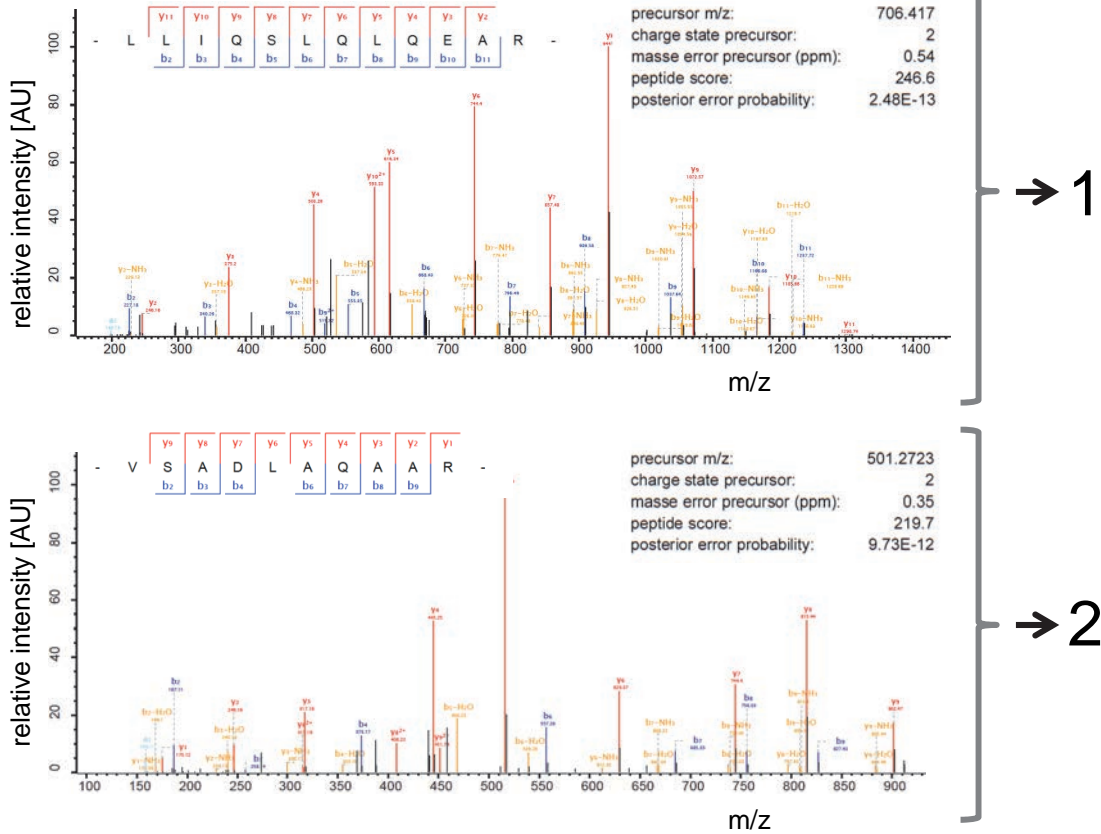


Figure S15

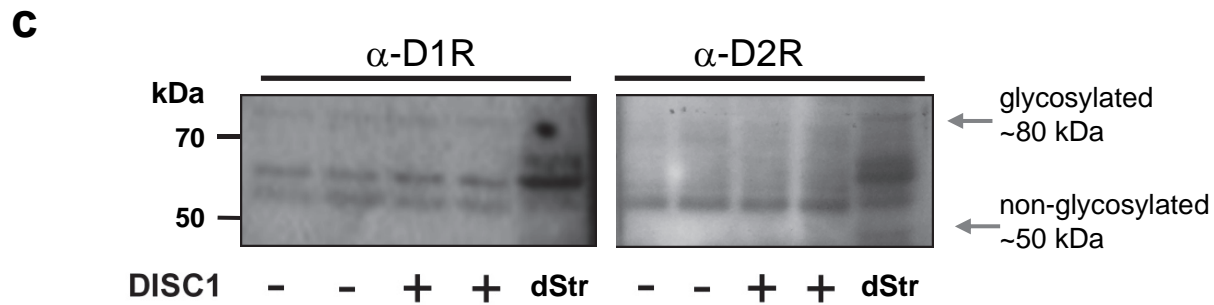
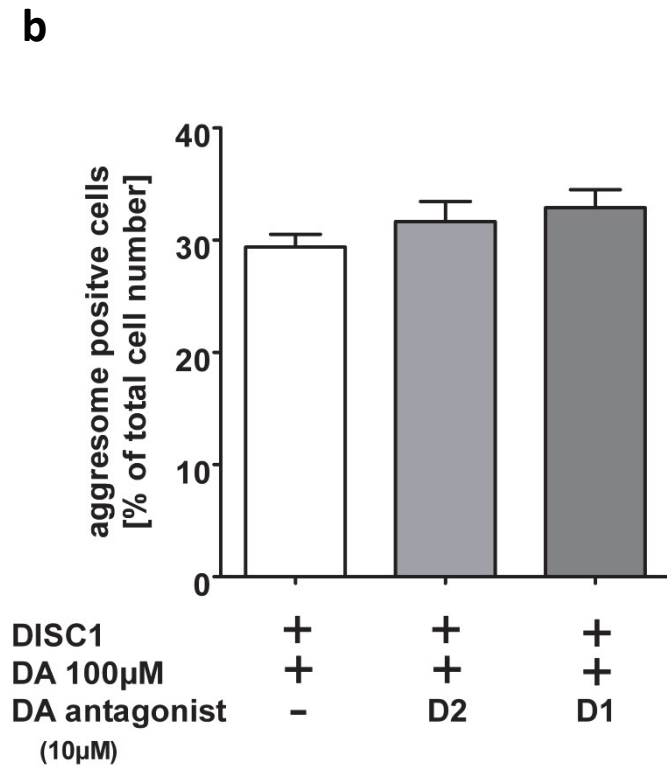
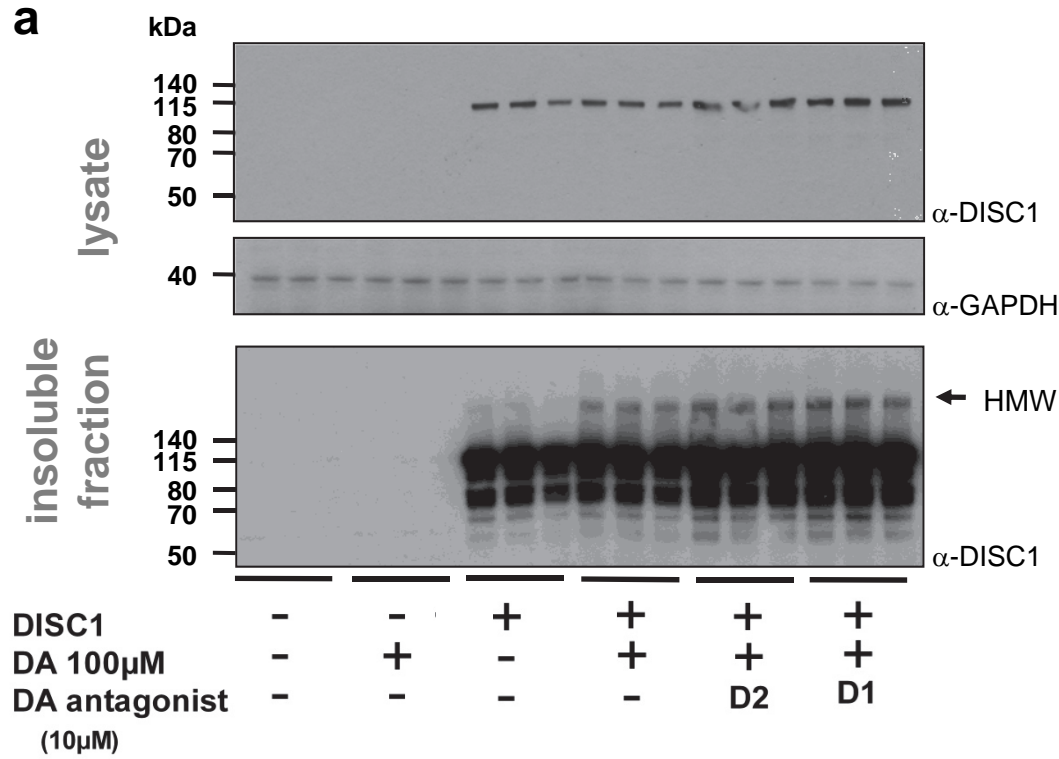
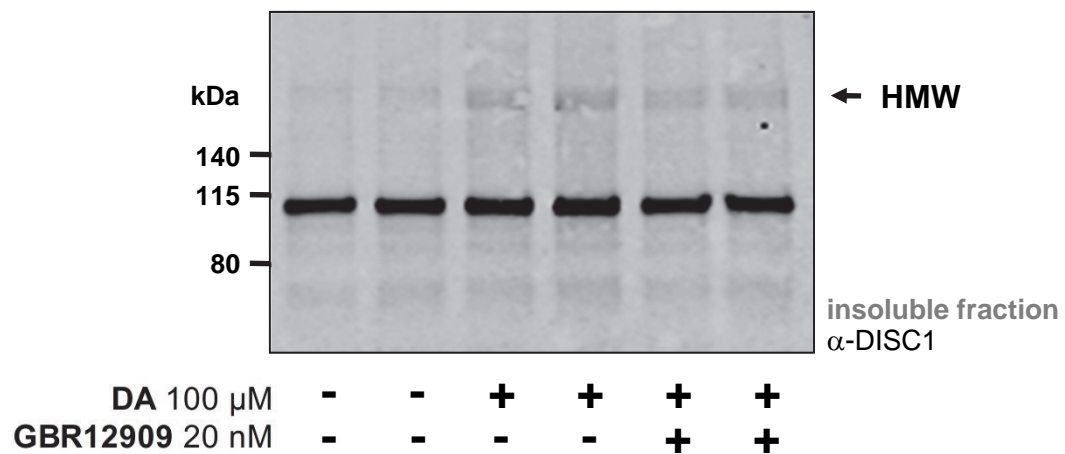


Figure S16

a



b

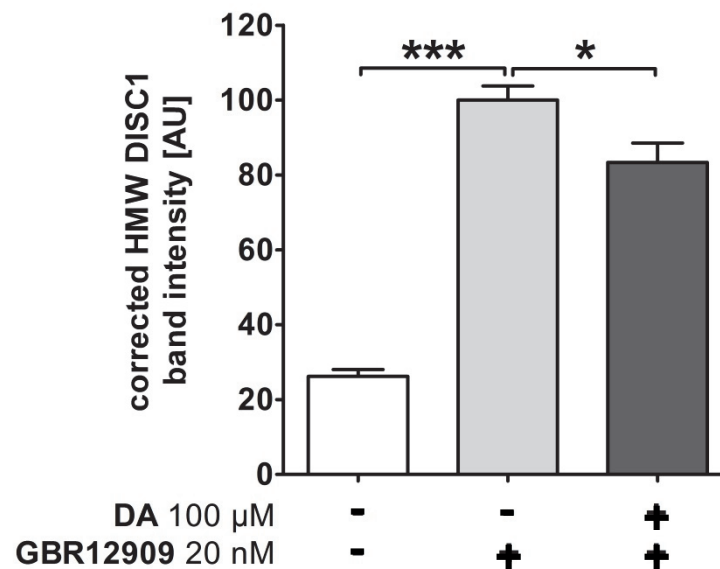


Figure S17

