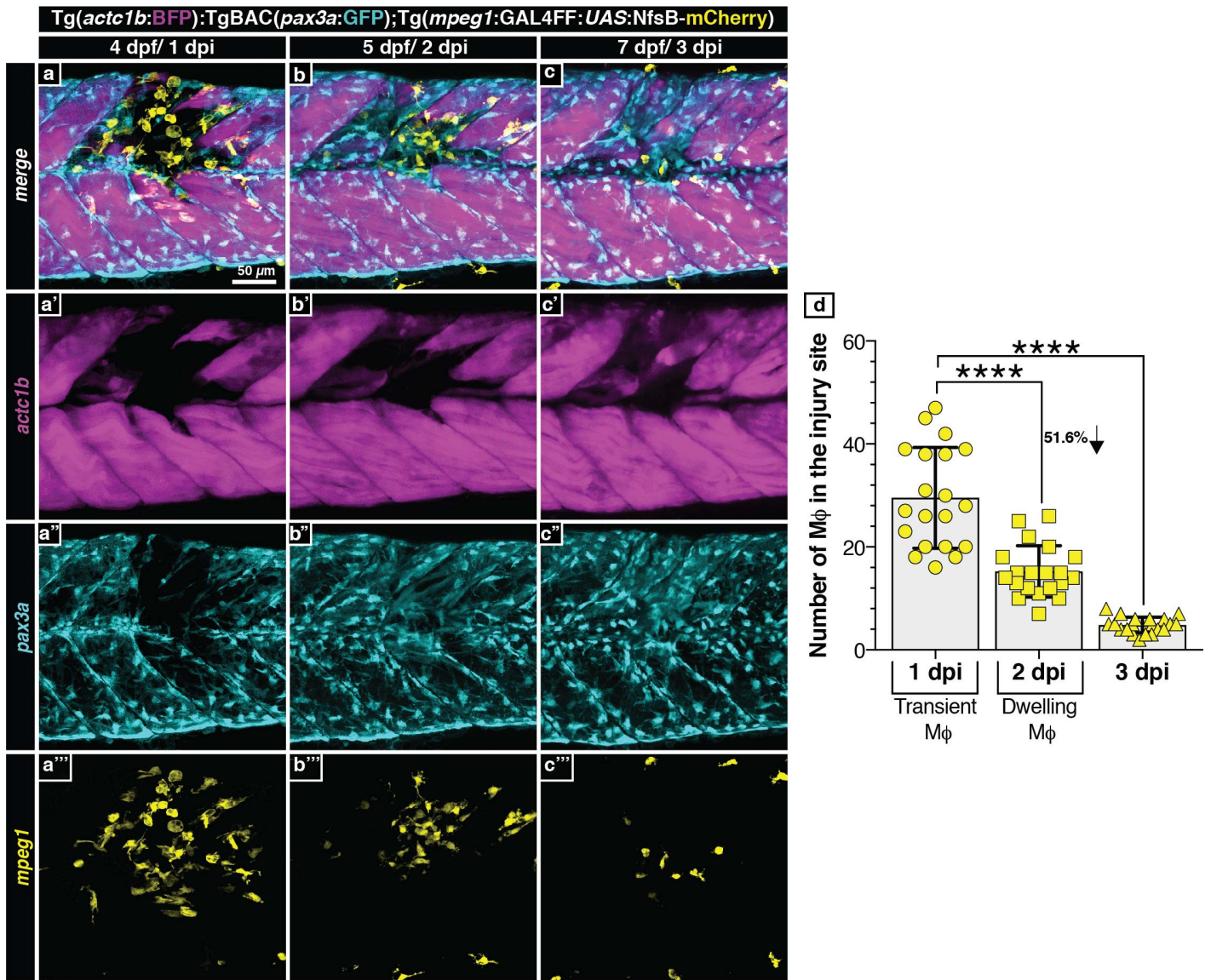
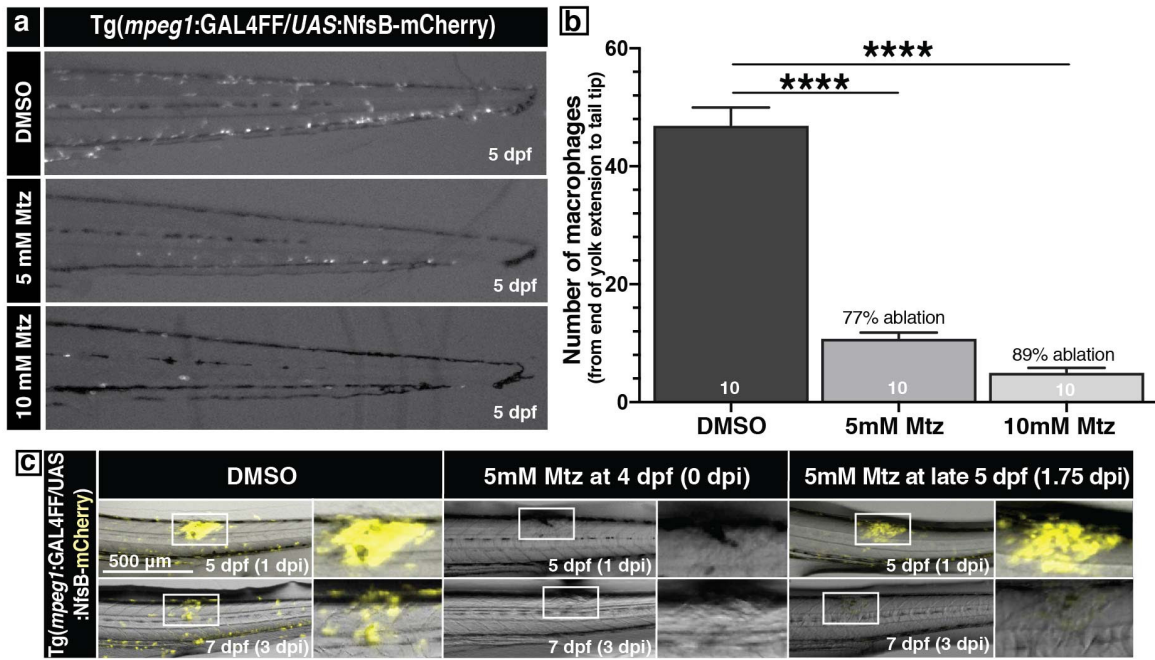


Extended Data Figure 1

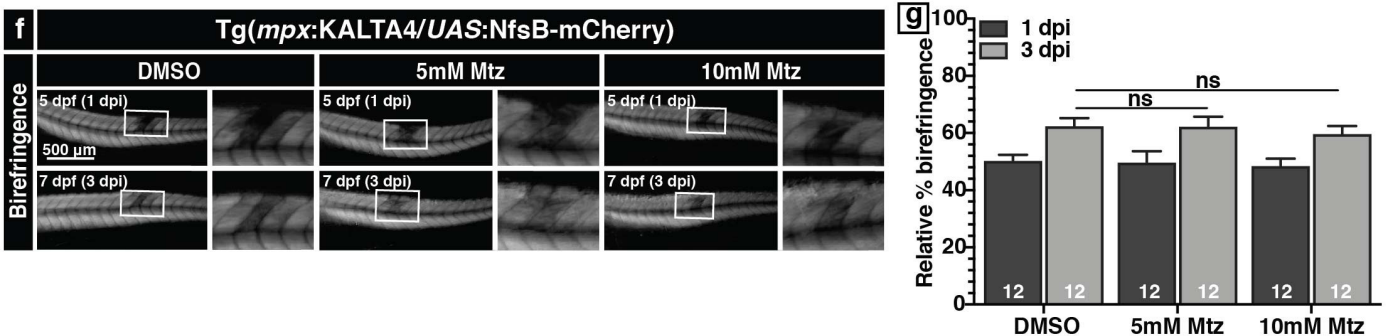
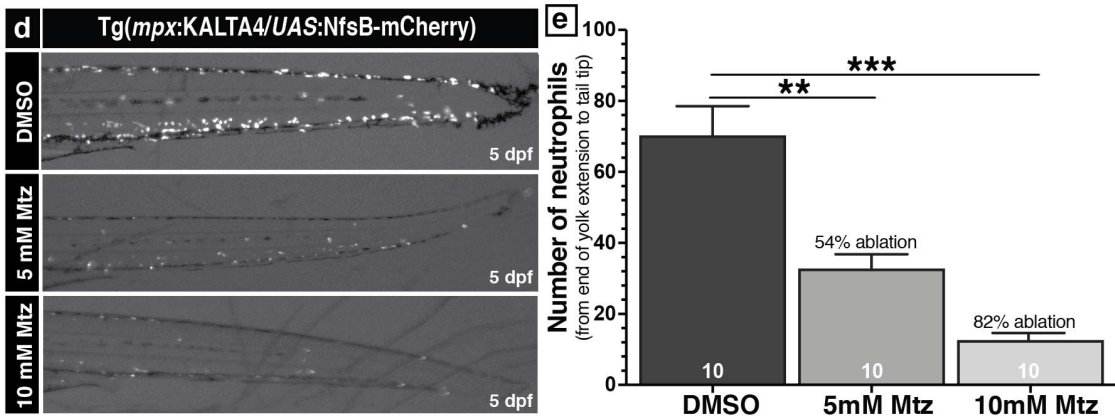


Extended Data Figure 2

Nitroreductase-mediated macrophage ablation

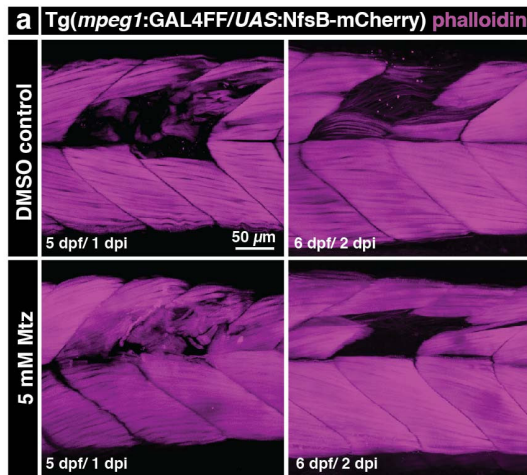


Nitroreductase-mediated neutrophil ablation

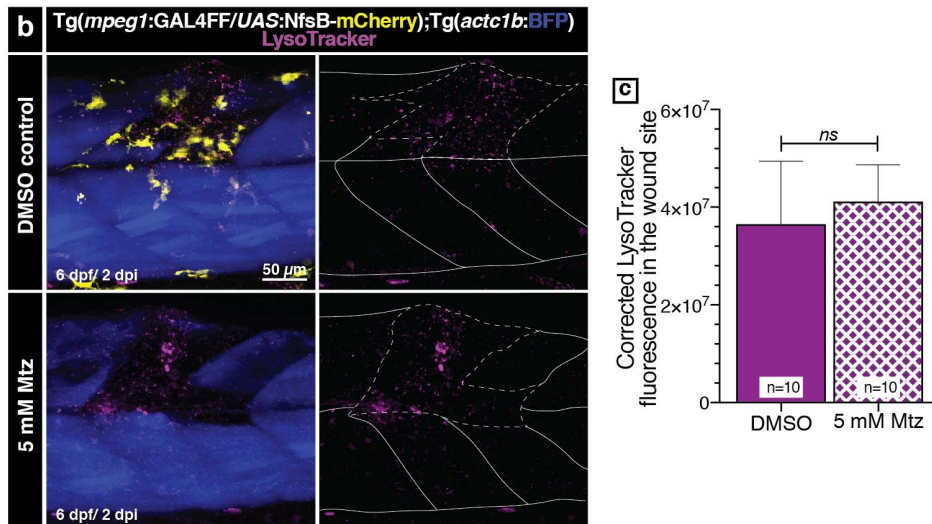


Extended Data Figure 3

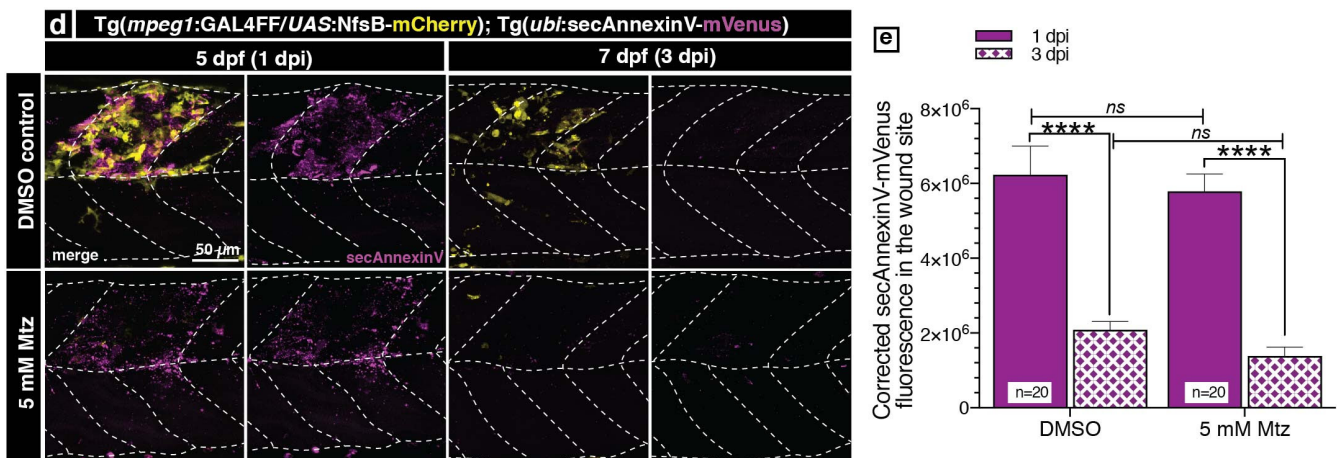
Phalloidin staining



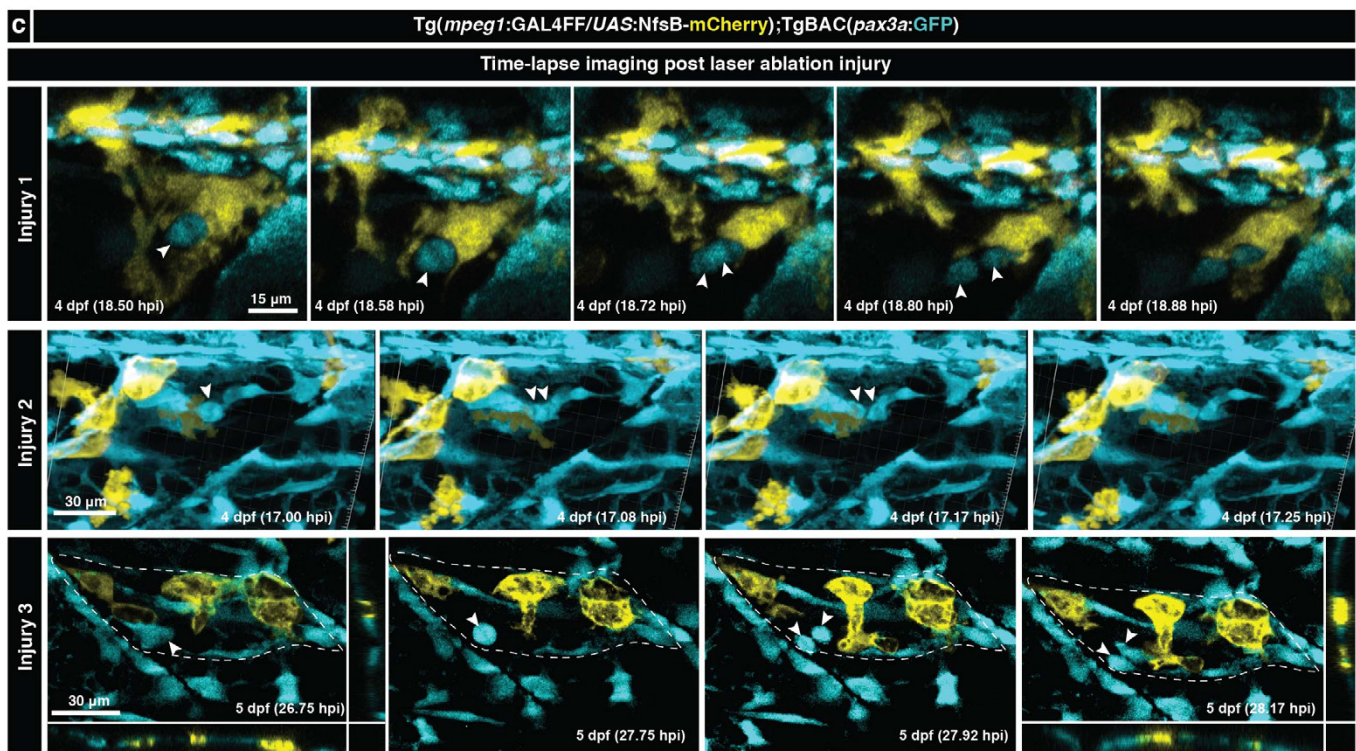
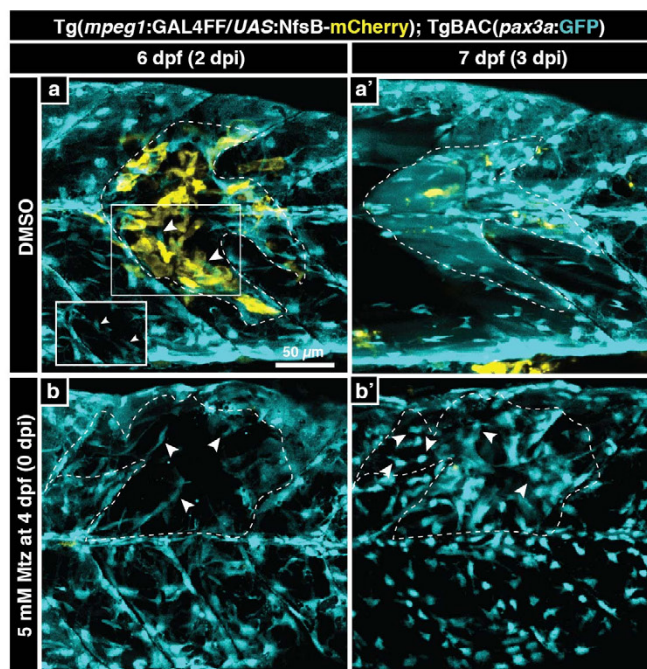
LysoTracker fluorescent vital dye



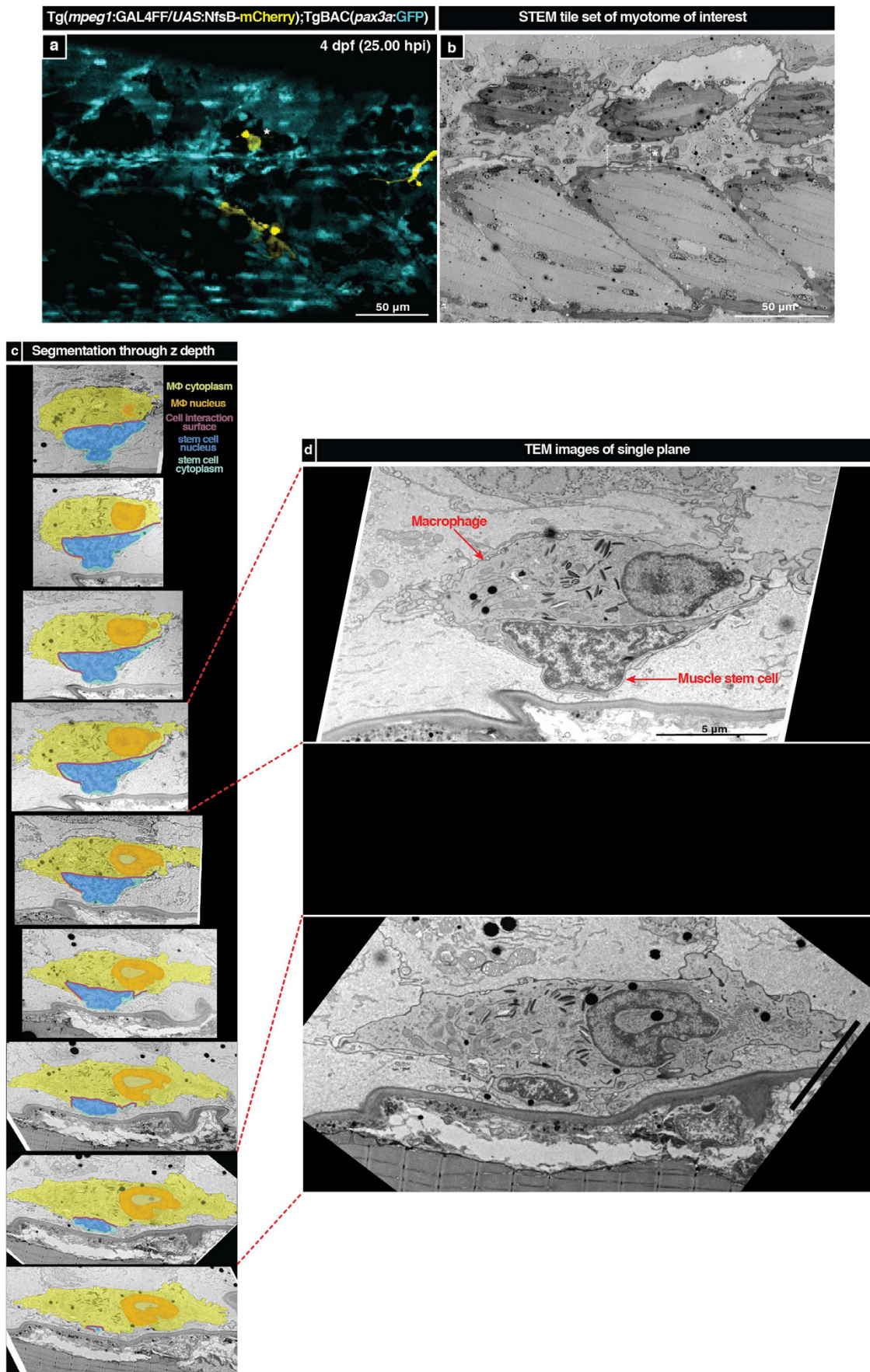
Tg(ubi:secAnnexinV-mVenus) imaging



Extended Data Figure 4



Extended Data Figure 5

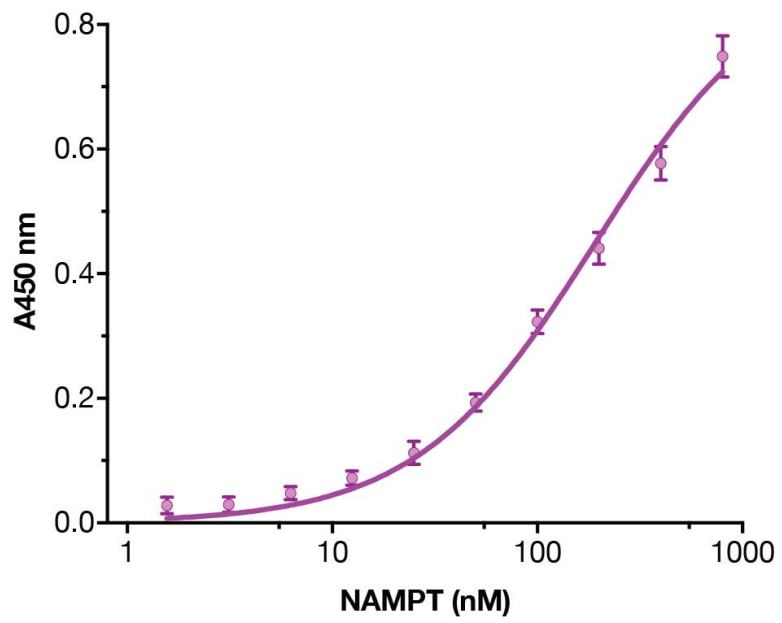


Extended Data Figure 6

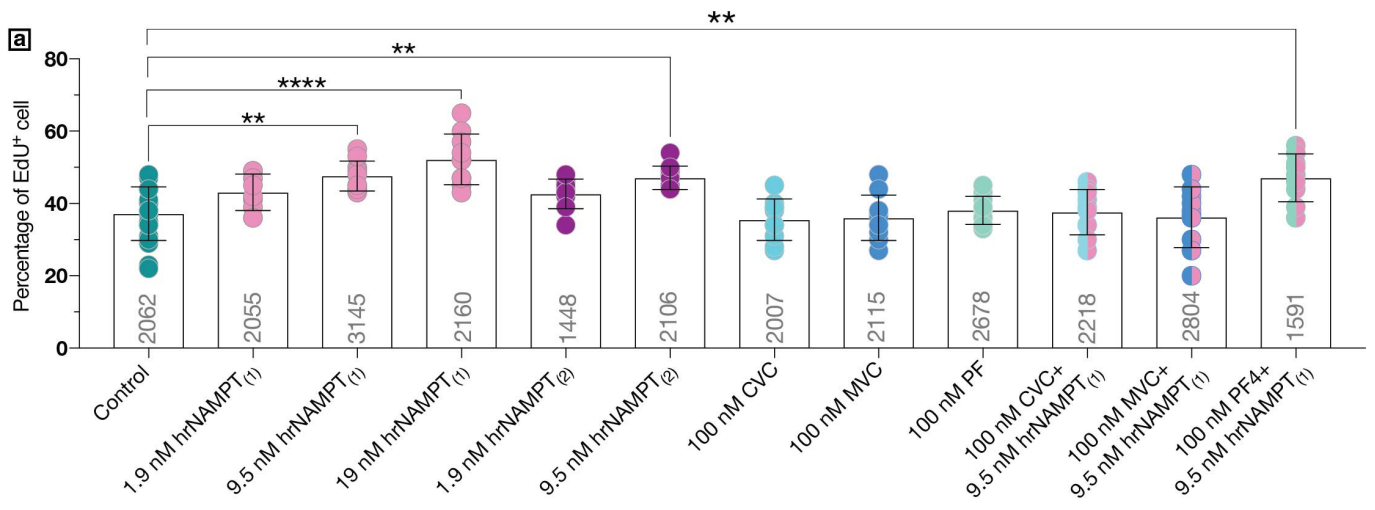
#	Average logFC	p value	% cells in cluster 4 expressing gene	% cells outside cluster 4 expressing gene	Adjusted p value	Gene ID	Gene symbol
1	3.51769726	2.46E-197	99.5%	13.3%	3.74E-193	ENSDARG00000010423	npnl
2	3.43652721	9.50E-143	100.0%	33.8%	1.44E-138	ENSDARG00000042816	mmp9
3	3.38223221	2.76E-185	98.6%	14.8%	4.18E-181	ENSDARG00000019521	mpx
4	3.28014576	7.25E-150	98.6%	25.7%	1.10E-145	ENSDARG00000012395	mmp13a
5	2.46606329	4.33E-208	91.1%	6.0%	6.57E-204	ENSDARG00000041524	NA
6	2.16041847	6.24E-104	84.3%	8.0%	9.47E-100	ENSDARG00000007769	sult5a1
7	2.12152634	1.27E-168	82.2%	7.0%	1.94E-164	ENSDARG00000007682	ppdpta
8	2.10412796	1.31E-107	95.3%	45.0%	1.98E-103	ENSDARG00000006029	lta4h
9	2.07830633	4.19E-152	90.6%	14.2%	6.36E-148	ENSDARG000000090730	cbf1
10	1.87552844	3.06E-135	79.8%	10.8%	4.65E-131	ENSDARG000000070398	NA
11	1.87151026	1.25E-87	76.5%	19.9%	1.91E-83	ENSDARG000000089706	si:ch211-276a23.5
12	1.80992908	1.77E-148	76.5%	6.7%	2.68E-144	ENSDARG000000093124	scnp8
13	1.7631958	1.24E-108	93.4%	30.9%	1.89E-104	ENSDARG000000058348	limd2
14	1.68944	3.32E-78	57.3%	9.1%	5.05E-74	ENSDARG00000003227	NA
15	1.64420477	9.46E-67	68.1%	19.4%	1.44E-62	ENSDARG000000033227	lect2l
16	1.63449553	1.20E-66	94.4%	63.3%	1.82E-62	ENSDARG00000013598	tnfb
17	1.52901339	3.47E-94	96.2%	56.7%	5.28E-90	ENSDARG000000035136	selenow1
18	1.5127773	1.94E-97	83.1%	21.4%	2.95E-93	ENSDARG000000078092	limd2
19	1.51231421	2.59E-77	64.8%	14.1%	3.94E-73	ENSDARG000000057430	NA
20	1.51190873	2.38E-123	66.2%	5.9%	3.62E-119	ENSDARG000000056499	ca6
21	1.50351826	1.06E-137	61.0%	2.8%	1.60E-133	ENSDARG000000015657	zgc:77112
22	1.49086817	7.47E-158	87.6%	3.0%	1.13E-151	ENSDARG000000036382	ponzr8
23	1.48791858	4.28E-93	97.2%	60.3%	6.40E-89	ENSDARG000000077069	srng
24	1.4694092	2.03E-114	100.0%	99.4%	3.08E-110	ENSDARG000000095556	LOC795545
25	1.45073072	1.23E-102	66.7%	8.7%	1.87E-98	ENSDARG000000034187	calm1b
26	1.44366232	4.24E-67	53.5%	9.3%	6.44E-63	ENSDARG000000039269	arg2
27	1.4136587	1.17E-59	91.1%	61.6%	1.78E-55	ENSDARG000000068784	vsir
28	1.37002123	1.71E-67	85.9%	39.4%	1.09E-62	ENSDARG000000086337	sidkey-102g19.3
29	1.36152834	1.89E-57	60.1%	15.2%	2.87E-53	ENSDARG000000078525	noctb
30	1.35387318	1.44E-69	88.3%	42.5%	2.18E-65	ENSDARG000000073777	odc1
31	1.34789643	5.30E-62	74.2%	27.5%	8.05E-58	ENSDARG00000002021	pygb
32	1.33152195	4.44E-91	70.0%	12.9%	6.74E-87	ENSDARG000000038458	NA
33	1.32613329	2.05E-120	52.6%	2.1%	3.12E-116	ENSDARG000000086869	NA
34	1.30030857	4.48E-58	72.3%	24.6%	6.77E-54	ENSDARG000000053836	si:ch211-284a019.8
35	1.29743632	2.73E-71	89.2%	45.1%	4.15E-67	ENSDARG000000063295	myh9a
36	1.26808592	1.71E-113	74.2%	8.7%	2.59E-109	ENSDARG000000093193	chia.6
37	1.25126448	6.86E-81	69.5%	13.5%	1.04E-76	ENSDARG000000043457	gapdh
38	1.24510972	5.36E-77	64.8%	13.2%	8.14E-73	ENSDARG000000052656	si:ch211-193e13.5
39	1.23994196	8.84E-58	81.7%	39.4%	1.31E-53	ENSDARG000000019236	gsr
40	1.22881477	1.20E-63	62.0%	15.4%	1.83E-59	ENSDARG000000053381	plpp1a
41	1.22046143	2.53E-65	78.9%	30.5%	3.85E-61	ENSDARG000000006019	tktb
42	1.22015324	9.85E-60	85.4%	38.3%	1.50E-55	ENSDARG000000078547	si:ch211-264f5.2
43	1.21978331	3.11E-80	100.0%	71.9%	4.72E-76	ENSDARG000000031153	NA
44	1.21851595	5.37E-87	48.8%	4.2%	8.16E-83	ENSDARG000000015922	stk17al
45	1.2094942	1.66E-99	59.6%	6.3%	2.52E-95	ENSDARG000000009782	myh11a
46	1.19878784	2.62E-31	75.6%	45.8%	3.97E-27	ENSDARG000000055186	cor9a
47	1.19556383	1.95E-56	94.4%	71.8%	2.97E-52	ENSDARG00000007693	nfkbiab
48	1.19263256	3.81E-64	49.3%	7.9%	5.78E-60	ENSDARG000000013561	pgm1
49	1.16112986	6.96E-69	93.0%	56.2%	1.06E-64	ENSDARG000000052978	mbnl1
50	1.16011422	1.77E-34	62.9%	27.0%	2.69E-30	ENSDARG000000005673	fb3
51	1.1314922	3.23E-53	85.4%	49.3%	4.90E-49	ENSDARG000000014348	stk17b
52	1.12777964	7.32E-90	56.8%	6.9%	1.11E-85	ENSDARG000000075870	trioba1
53	1.08027721	1.22E-59	57.7%	12.8%	1.86E-55	ENSDARG000000032932	cnkr1
54	1.07947549	6.74E-14	53.1%	30.7%	1.02E-09	ENSDARG000000070622	NA
55	1.07860968	6.32E-37	48.8%	13.9%	9.60E-33	ENSDARG000000018145	mid1ip11
56	1.06525495	3.10E-70	61.5%	12.0%	4.71E-66	ENSDARG000000059110	NA
57	1.05656185	3.64E-84	39.0%	1.9%	5.53E-80	ENSDARG000000052766	NA
58	1.05024664	2.75E-45	77.5%	42.4%	4.18E-41	ENSDARG000000026350	wasb
59	1.04344952	8.42E-38	78.9%	45.7%	1.28E-33	ENSDARG000000035326	ncorp1
60	1.02083795	3.73E-47	83.6%	49.2%	5.67E-43	ENSDARG000000012987	gpia
61	1.01191026	6.86E-40	54.9%	18.1%	1.04E-35	ENSDARG000000013705	ccm2
62	1.00605145	8.59E-44	87.8%	63.9%	1.30E-39	ENSDARG000000036967	smox
63	1.00599877	4.72E-50	59.6%	16.4%	7.17E-46	ENSDARG000000037801	si:dkkey-85p17.3
64	0.99619739	4.52E-40	59.6%	22.4%	6.86E-36	ENSDARG000000071065	g6pd
65	0.99346688	1.82E-30	83.6%	56.3%	2.76E-26	ENSDARG000000078619	pnp5a
66	0.99273801	3.21E-43	82.6%	53.1%	4.88E-39	ENSDARG000000012256	NA
67	0.97506782	5.09E-33	79.8%	53.2%	7.73E-29	ENSDARG000000044619	birc2
68	0.97451848	8.73E-95	100.0%	100.0%	1.07E-91	ENSDARG000000037870	actb2
69	0.97310907	9.40E-39	51.6%	15.1%	1.43E-34	ENSDARG000000001452	adama8a
70	0.97102903	3.35E-48	90.1%	59.4%	5.08E-44	ENSDARG000000002721	denn4a
71	0.96769076	4.35E-32	66.2%	32.4%	6.61E-28	ENSDARG000000030598	nampt1a
72	0.96659516	1.88E-80	41.8%	2.8%	2.85E-76	ENSDARG0000000055705	if5
73	0.96522809	5.73E-92	50.2%	4.0%	8.69E-88	ENSDARG00000000149	ablim1a
74	0.96018943	1.02E-84	39.4%	1.8%	1.55E-80	ENSDARG000000077975	si:ch73-343f4.8
75	0.95761111	1.31E-23	62.4%	34.7%	1.99E-19	ENSDARG000000042382	NA
76	0.95416288	9.96E-37	78.1%	41.5%	1.52E-32	ENSDARG000000036637	arl11
77	0.95084342	3.31E-38	47.4%	14.0%	5.03E-32	ENSDARG000000079353	nmrk1
78	0.94000322	5.85E-34	81.2%	62.8%	8.88E-30	ENSDARG000000068214	ccni
79	0.93656916	1.41E-42	77.5%	36.2%	2.14E-38	ENSDARG00000004979	elov5f
80	0.93194757	1.38E-28	87.8%	64.3%	2.09E-24	ENSDARG000000033735	ncf1
81	0.92953484	1.09E-41	55.9%	17.8%	1.66E-37	ENSDARG000000057053	zgc:91976
82	0.92892269	8.26E-57	46.0%	7.4%	1.25E-52	ENSDARG000000010556	mmp25b
83	0.92427477	8.88E-71	58.7%	10.9%	1.35E-66	ENSDARG000000004647	splice1
84	0.92319626	3.75E-40	54.5%	17.1%	5.70E-36	ENSDARG000000063195	pxk
85	0.91734144	6.07E-37	65.7%	26.6%	9.22E-33	ENSDARG000000039884	NA
86	0.91012995	1.49E-29	33.8%	7.9%	2.26E-25	ENSDARG000000012671	inhbaa
87	0.9082643	2.54E-102	43.7%	1.5%	3.85E-98	ENSDARG000000069440	dachd
88	0.9067071	5.33E-64	37.1%	3.1%	8.09E-60	ENSDARG000000009208	prkcd
89	0.90038508	1.59E-25	66.7%	36.9%	2.41E-21	ENSDARG000000019702	aldocb
90	0.89617091	2.31E-103	43.2%	1.4%	3.51E-99	ENSDARG000000093248	NA
91	0.89200683	6.01E-32	77.9%	48.4%	9.12E-28	ENSDARG000000054272	caprin1b
92	0.8789271	1.17E-55	42.3%	6.3%	1.78E-51	ENSDARG000000043182	hhia2a.1
93	0.87828949	9.16E-54	95.8%	83.4%	1.39E-49	ENSDARG000000027063	arpc1b
94	0.87679857	3.35E-30	68.1%	35.8%	5.08E-26	ENSDARG000000010752	acs14b
95	0.87632591	5.80E-34	68.1%	30.9%	8.80E-30	ENSDARG000000071384	slc7a11
96	0.86981487	5.22E-40	68.5%	30.1%	7.93E-36	ENSDARG000000004378	yrk
97	0.86948795	6.80E-63	100.0%	95.1%	1.03E-58	ENSDARG000000088091	pfn1
98	0.86896945	1.20E-37	32.4%	5.5%	1.82E-33	ENSDARG000000053931	si:dkkey-42f23.5
99	0.86896495	3.74E-48	90.1%	60.8%	5.68E-44	ENSDARG000000041505	itm2b
100	0.86866486	1.59E-16	66.2%	44.8%	2.41E-12	ENSDARG000000056875	NA

Extended Data Figure 7

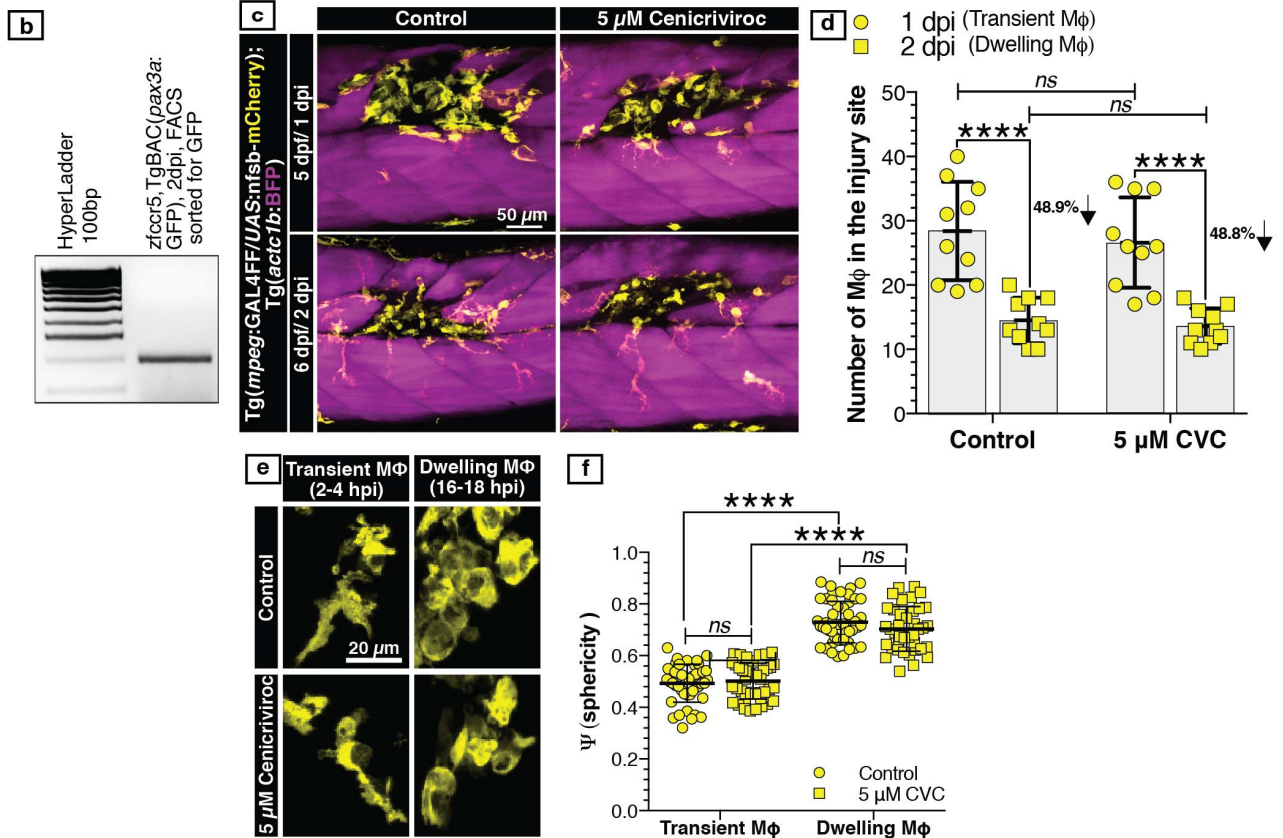
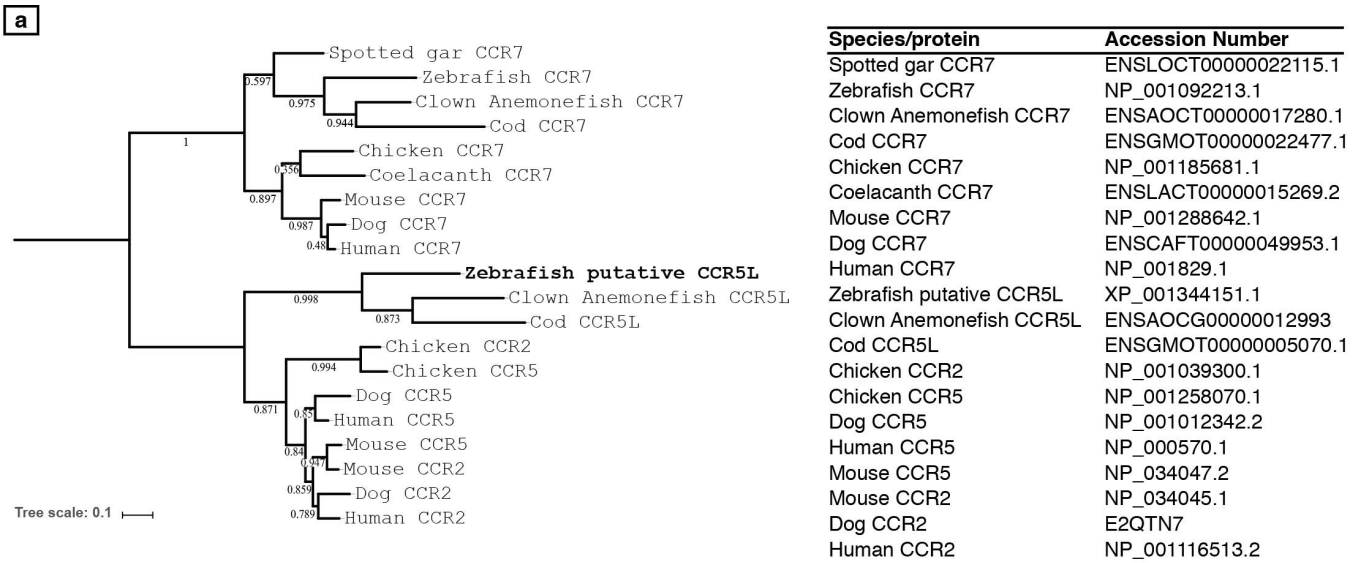
NAMPT binding to CCR5



Extended Data Figure 8



Extended Data Figure 9



Extended Data Figure 10

