	Group A	Group B
	Control	CQ treated
1	0.8	3.4
2	1.0	3.2
3	1.0	2.6
4	1.0	1.4
5	1.0	4.4
6	2.0	4.4
7	1.4	3.4
8	2.6	3.2
9	2.4	4.6
10	1.0	3.0
11	0.4	3.6
12	1.0	3.4
13	1.4	3.2
14	1.0	2.8
15	0.2	1.4
16	1.0	2.6
17	1.2	3.0
18	0.8	2.8
19	1.0	3.0
20	1.0	2.0
21	0.8	1.0
22	1.6	1.6
23	1.6	4.2
24	1.0	4.2
25	2.0	3.6
26	2.0	3.4
27	0.4	3.4
28	0.0	3.0
29	1.0	3.6
30	1.0	3.0
31	1.4	3.4
32	0.2	3.4
33	0.0	2.0
34	0.0	1.0
35	1.0	2.0
36	1.2	2.2
37	1.0	2.0
38	1.0	3.8
39	1.0	3.0
40	1.0	1.8
41	1.0	1.6
42	2.0	3.8

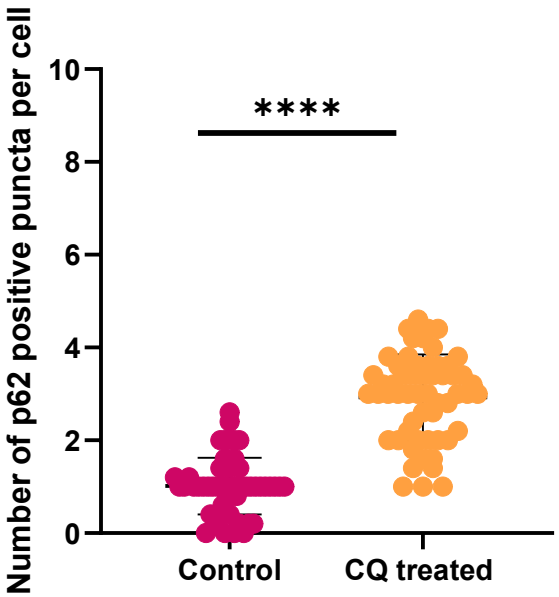
	Group A	Group B
	Control	CQ treated
43	2.0	4.4
44	1.0	4.0
45	0.6	3.6
46	0.4	3.8
47	1.0	3.4
48	1.0	2.0
49	0.0	3.0
50	0.2	3.6
51	0.2	3.0
52		3.0
53		2.0
54		1.0
55		2.4
56		2.2
57		3.0

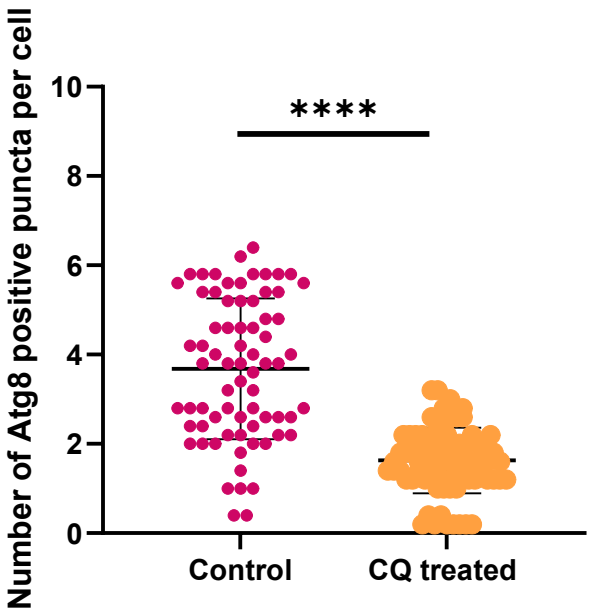
	Group A	Group B
	Control	CQ treated
1	1.0	2.0
2	3.6	1.6
3	5.4	2.2
4	4.8	2.2
5	3.8	2.0
6	2.4	2.0
7	3.8	1.8
8	4.6	2.8
9	5.6	1.6
10	4.8	0.4
11	6.4	1.2
12	4.0	1.8
13	4.6	0.4
14	2.6	1.4
15	1.0	2.2
16	4.2	1.0
17	5.2	1.0
18	4.2	0.2
19	5.8	1.2
20	2.8	1.0
21	2.8	1.2
22	2.2	2.4
23	5.8	1.2
24	5.2	1.8
25	1.4	1.4
26	3.8	1.2
27	5.6	1.6
28	2.6	1.4
29	2.4	2.4
30	2.2	2.6
31	4.0	1.8
32	3.2	1.2
33	3.8	1.8
34	3.4	1.6
35	6.2	1.2
36	2.0	0.2
37	3.8	1.6
38	2.4	1.2
39	1.0	3.0
40	4.6	2.8
41	5.8	1.6
42	4.4	1.0

	Group A	Group B
	Control	CQ treated
43	5.4	1.2
44	2.8	0.2
45	2.6	1.2
46	2.2	2.2
47	5.4	0.2
48	5.6	2.6
49	0.4	1.8
50	4.0	2.0
51	5.2	2.6
52	2.0	2.2
53	2.2	2.0
54	2.0	2.2
55	4.2	3.2
56	1.8	2.2
57	2.8	1.4
58	2.8	1.2
59	5.8	1.4
60	2.0	1.6
61	3.2	1.4
62	2.6	0.2
63	0.4	1.8
64	4.6	1.6
65	5.6	3.2
66	5.8	2.8
67	5.8	1.4
68	2.8	1.6
69	2.6	1.6
70	2.0	0.2
71	5.4	1.4
72	5.8	1.8
73		0.2
74		2.0
75		1.2
76		2.2
77		2.6
78		2.2

	Welch's t test Tabular results	
1	Table Analyzed	FigureS9E
2		
3	Group B	CQ treated
4	vs.	vs.
5	Group A	Control
6		
7	**Unpaired t test with Welch's correction**	
8	P value	<0.0001
9	P value summary	****
10	Significantly different (P < 0.05)?	Yes
11	One- or two-tailed P value?	Two-tailed
12	Welch-corrected t, df	t=12.80, df=98.05
13		
14	**How large is the effect?**	
15	Mean of group A	1.016
16	Mean of group B	2.926
17	Difference between means (B - A) ± SEM	1.911 ± 0.1492
18	95% confidence interval	1.615 to 2.207
19	R squared (eta squared)	0.6258
20		
21	**F test to compare variances**	
22	F, DFn, Dfd	2.274, 56, 50
23	P value	0.0037
24	P value summary	**
25	Significantly different (P < 0.05)?	Yes
26		
27	**Data analyzed**	
28	Sample size, group A	51
29	Sample size, group B	57

	Welch's t test Tabular results	
1	Table Analyzed	*FigureS9F
2		
3	Group B	CQ treated
4	vs.	vs.
5	Group A	Control
6		
7	**Unpaired t test with Welch's correction**	
8	P value	<0.0001
9	P value summary	****
10	Significantly different (P < 0.05)?	Yes
11	One- or two-tailed P value?	Two-tailed
12	Welch-corrected t, df	t=10.07, df=98.51
13		
14	**How large is the effect?**	
15	Mean of group A	3.681
16	Mean of group B	1.628
17	Difference between means (B - A) ± SEM	-2.052 ± 0.2037
18	95% confidence interval	-2.457 to -1.648
19	R squared (eta squared)	0.5074
20		
21	**F test to compare variances**	
22	F, DFn, Dfd	4.633, 71, 77
23	P value	<0.0001
24	P value summary	****
25	Significantly different (P < 0.05)?	Yes
26		
27	**Data analyzed**	
28	Sample size, group A	72
29	Sample size, group B	78


Number of p62 positive puncta per cell
10
8
6
4
2
0
****
Control
CQ treated


Number of Atg8 positive puncta per cell
10
8
6
4
2
0
****
Control
CQ treated

Constant	Value
Experiment Date	21-02-2025
Experiment ID	
Notebook ID	
Project	
Experimenter	
Protocol	

Constant	Value
Experiment Date	21-02-2025
Experiment ID	
Notebook ID	
Project	
Experimenter	
Protocol	