

Appendix

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Appendix Table S1: The results of the statistical analyses of the figures

A

Figure 2A
Two-way ANOVA followed by Dunnett's multiple comparisons test

	37°C	cold
(-)		
2 hours	ns	
4 hours	ns	
8 hours	****	

B

Figure 2B
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
ctrl#1	ns	ns
ctrl#1 ASK1#1	ns	****
ctrl#1 ASK1#3	ns	***
ctrl#2 ASK1#1	ns	****
ctrl#2 ASK1#3	ns	***
ASK1#1 ASK1#3	ns	ns

C

Figure 2D
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
DMSO SB 202190	ns	****
DMSO SB 203580	ns	****
DMSO SB 202474	ns	ns
SB SB 202190 203580	ns	ns
SB SB 202190 202474	ns	****
SB SB 203580 202474	ns	****

D

Figure 2E
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
ctrl#1	ns	****
ctrl#1	ns	ns
ctrl#1 ASK1#1	ns	**
ctrl#1 ASK1#2	ns	****
ctrl#1 ASK1#3	ns	****
ctrl#2	ns	**
ctrl#2	ns	****
ctrl#2 ASK1#2	ns	****
ctrl#2 ASK1#3	ns	****
ctrl#3 ASK1#1	ns	****
ctrl#3 ASK1#2	ns	****
ctrl#3 ASK1#3	ns	****
ASK1#1 ASK1#2	ns	ns
ASK1#1 ASK1#3	ns	ns
ASK1#2 ASK1#3	ns	ns

E

Figure 2G
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
DMSO SB 202190	ns	****
DMSO SB 202474	ns	****
SB SB 202190 202474	ns	*

F

Figure 2H
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
DMSO SB 202190	ns	****
DMSO SB 202474	ns	***
SB SB 202190 202474	ns	****

G

Figure 2I
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
DMSO SB 202190	ns	**
DMSO SB 202474	ns	ns
SB SB 202190 202474	ns	*

H

Figure 4A
Two-way ANOVA followed by Tukey's multiple comparisons test

	37°C	cold
DMSO Fer-1	ns	****
DMSO U0124	ns	*
DMSO U0126	ns	****
Fer-1 U0124	ns	**
Fer-1 U0126	ns	ns
U0124 U0126	ns	**

I

Figure 6A
Two-way ANOVA followed by Tukey's multiple comparisons test

Erastin [μM]	DMSO		Fer-1		U0124	
	U0124	U0126	U0124	U0126	U0124	U0126
0.625	ns	ns	ns	ns	ns	ns
1.25	ns	ns	ns	ns	ns	ns
2.5	ns	ns	ns	ns	ns	ns
5	****	****	****	****	ns	****
10	****	ns	****	****	ns	****

J

Figure 6B
Two-way ANOVA followed by Bonferroni's multiple comparisons test

Erastin [μM]	MilliQ	Dfx
0.625	ns	
1.25	ns	
2.5	ns	
5	****	
10	****	

K

Figure 6C
Two-way ANOVA followed by Tukey's multiple comparisons test

Erastin [μM]	DMSO		SB202190
	SB202190	SB202474	SB202474
0.625	ns	ns	ns
1.25	ns	ns	*
2.5	ns	ns	ns
5	****	ns	****
10	****	ns	****

L

Figure 6D
Two-way ANOVA followed by Tukey's multiple comparisons test

siRNA	ct#1		ct#2			ct#3			ASK1 #1			ASK1 #2			ASK1 #3		
	ct#2	ct#3	ASK1 #1	ASK1 #2	ASK1 #3	ct#3	ASK1 #1	ASK1 #2	ASK1 #3	ASK1 #1	ASK1 #2	ASK1 #3	ASK1 #2	ASK1 #3	ASK1 #3		
312.5	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns		
625	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns		
1250	ns	ns	ns	**	****	ns	ns	****	****	**	****	****	ns	*	ns		
2500	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	*	ns		
5000	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns		
10000	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns		

M

Figure 6G
Two-way ANOVA followed by Tukey's multiple comparisons test

siRNA	ct#1		ct#2			ct#3			ASK1 #1			ASK1 #2			ASK1 #3		
	ct#2	ct#3	ASK1 #1	ASK1 #2	ASK1 #3	ct#3	ASK1 #1	ASK1 #2	ASK1 #3	ASK1 #2	ASK1 #3	ASK1 #3	ASK1 #2	ASK1 #3	ASK1 #3		
15.625	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns		
31.25	ns	ns	ns	ns	ns	ns	ns	*	***	ns	ns	**	ns	ns	ns		
62.5	ns	**	ns	*	*	ns	*	****	****	****	****	****	ns	ns	ns		
125	ns	****	ns	*	***	*	***	****	****	****	****	****	ns	ns	ns		
250	ns	**	ns	*	****	ns	***	****	****	****	****	****	ns	ns	ns		
500	ns	*	*	ns	**	ns	***	*	***	****	****	****	ns	ns	ns		
1000	ns	ns	**	ns	ns	ns	***	ns	ns	****	**	****	ns	ns	ns		
2000	ns	ns	*	ns	ns	ns	**	ns	ns	****	ns	*	*	ns	ns		
4000	ns	ns	ns	ns	ns	ns	ns	ns	ns	****	ns	ns	ns	ns	ns		

Figure EV5A

		#1		#2		#1		#2		#1		#2	
ctrl siRNA													
ctrl siRNA	#1												
	#2	ns											
GPX4 siRNA	#1	***	*	***	**	***	**					ns	ns
	#2	**	*	**	**	***	**					ns	ns
ASK1 siRNA	#1			ns	ns	ns	ns					**	**
	#2				ns	ns	ns					*	*
	#1					ns	ns					***	**
	#2						ns					**	**
	#1							ns				***	***
	#2								ns			**	**
	#1												ns
	#2												

One-way ANOVA followed by Tukey's multiple comparisons test