A

SMN	Coilin	Merge

B

trimethylguanosine	Coilin	Merge

C

Mock | Non-target | siSMN | Mock | Non-target | siSMN

GAPDH

SMN

Replicate 1   Replicate 2

D

siSMN + WT SMN	siSMN + E134K SMN	siSMN + Y109L SMN

anti-Myc

E

siSMN + WT SMN	siSMN + E134K SMN	siSMN + Y109L SMN

anti-SMN

Single Z-plane

F

Intensity (ADU)

Distance (Normalized)

WT
E134K
Y109L

G

siSMN + WT SMN	siSMN + E134K SMN	siSMN + Y109L SMN

SMN
Coilin

H

Statistics Related to Figure 3B

Number of Cells per Conditon	
Non-target	48
siSMN	73
siSMN + WT	67
siSMN + E134K	69
siSMN + Y109L	63

Kruskal-Wallace H test:
p = 2.19e-12

Dunn's post hoc

	non-target	siSMN	siSMN + WT	siSMN + E134K
siSMN	1.134e-10			
siSMN + WT	1.189e-2	1.949e-5		
siSMN + E134K	3.159e-3	1.271e-4	0.645	
siSMN + Y109L	8.229e-10	0.899	6.520e-5	3.605e-4

Statistics Related to Figure 3C

Kruskal-Wallace H test:
p = 9.33e-15

Dunn's post hoc

	non-target	siSMN	siSMN + WT	siSMN + E134K
siSMN	6.371e-9			
siSMN + WT	0.2746	1.570e-11		
siSMN + E134K	2.141e-5	4.349e-4	2.018e-9	
siSMN + Y109L	0.679	6.304e-7	0.181	3.296e-3