

Supporting information:

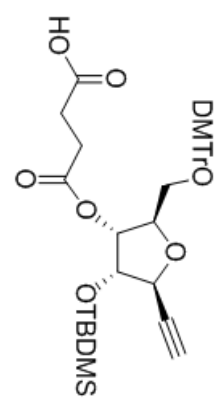
# Guide Strand 3'-End Modifications Regulate siRNA Specificity

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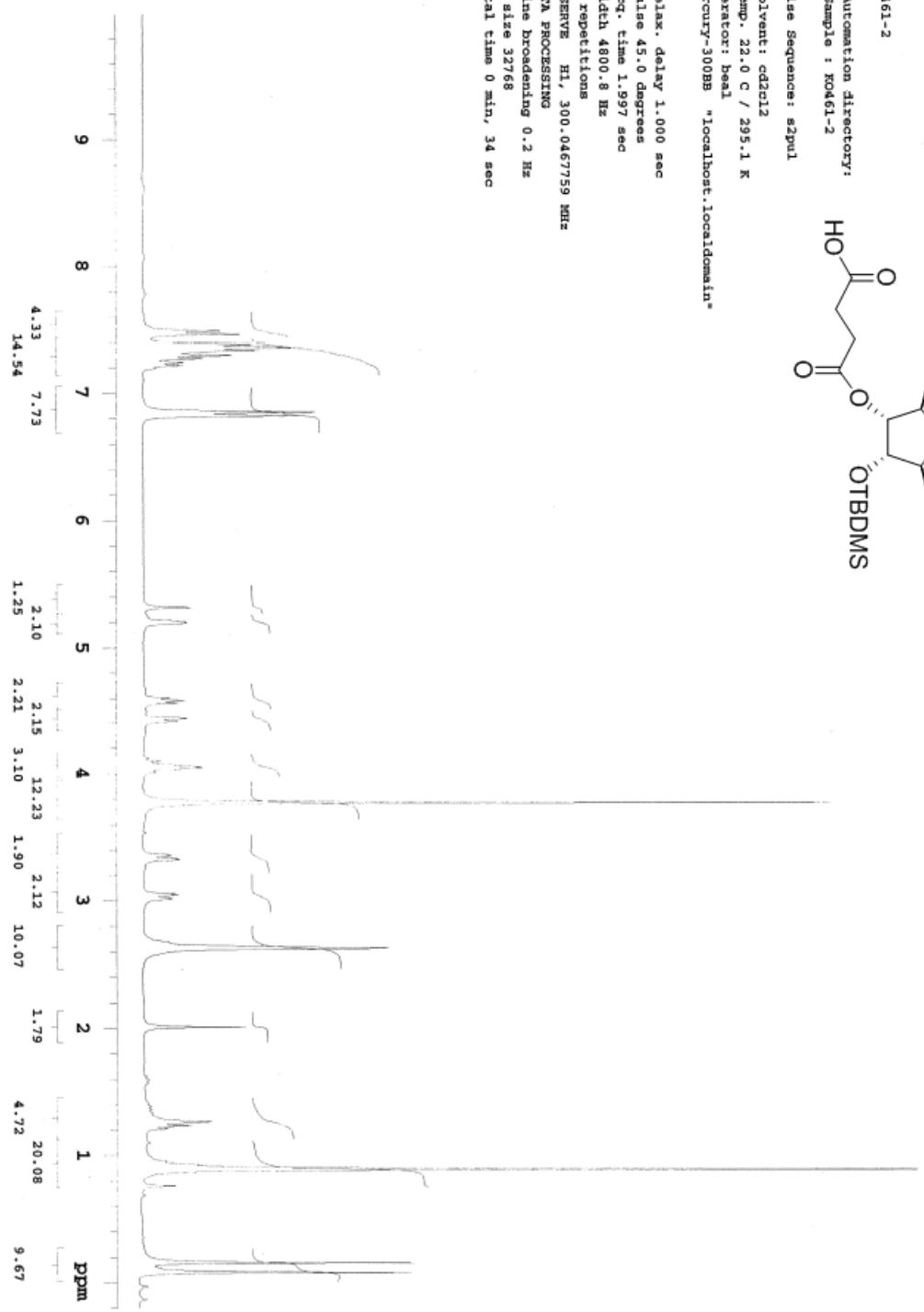
## **Contents of Supporting Information:**

<u><sup>1</sup>H NMR for Compound 2</u> .....	S2
<u><sup>13</sup>C NMR for Compound 2</u> .....	S3
<u>Plots of changes in fluorescence polarization vs [hAgo2 PAZ] for different siRNA</u> .....	S4-S8
<u>Supporting Figure 1</u> .....	S9



K0461-2  
Automation directory:  
Sample : K0461-2  
Pulse Sequence: s2pul  
Solvent: cd2cl2  
Temp: 22.0 C / 295.1 K  
Operator: beal  
Mercury-300HS "localhost.localdomain"

Relax. delay 1.000 sec  
Pulse 45.0 degrees  
Acq. time 1.997 sec  
Width 4800.8 Hz  
8 repetitions  
OBSERVE H1, 300.0467759 MHz  
DATA PROCESSING  
Line broadening 0.2 Hz  
F2 size 32768  
Total time 0 min, 34 sec



K0461-2

Automation directory:  
Sample : K0461-2

Pulse Sequence: szpul

Solvent: c13cl2

Temp. 22.0 C / 295.1 K

Operator: baal

Mercury-300WB "localhost:localdomain"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.300 sec

Width 19607.8 Hz

2336 repetitions

ORIGINE C13, 75.4467897 MHz

PROCPAR ML, 300.0483110 MHz

Power 40 dB

continuously on

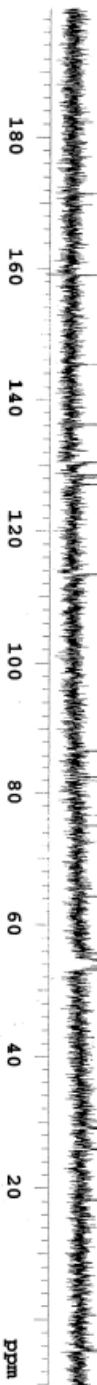
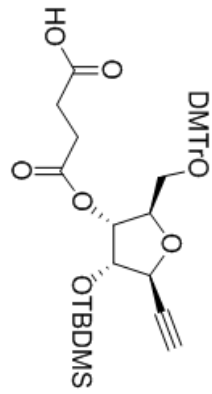
WALTZ-16 modulated

DATA PROCESSING

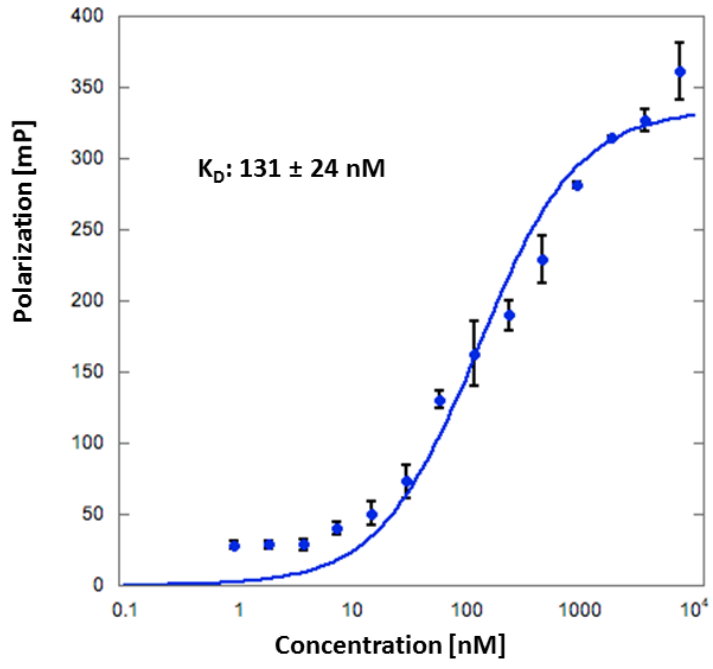
Line broadening 1.0 Hz

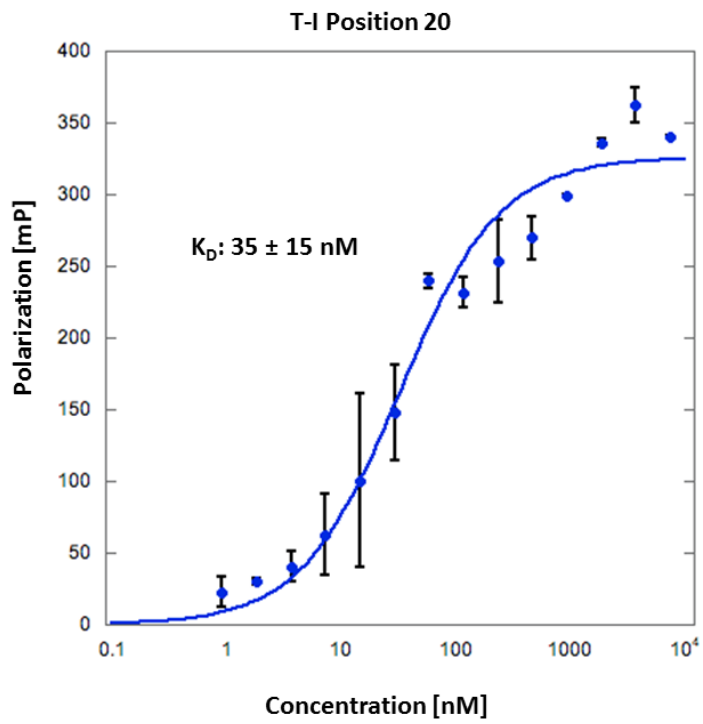
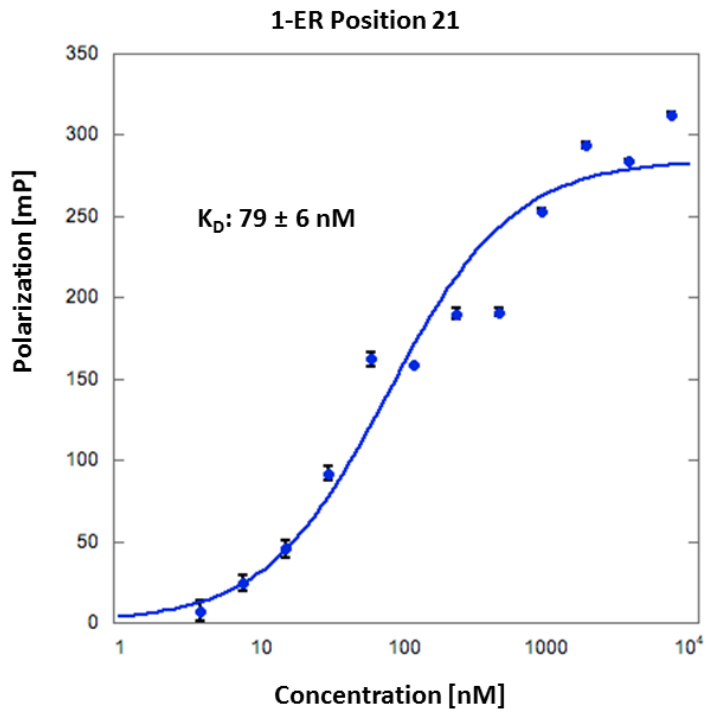
FT size 65536

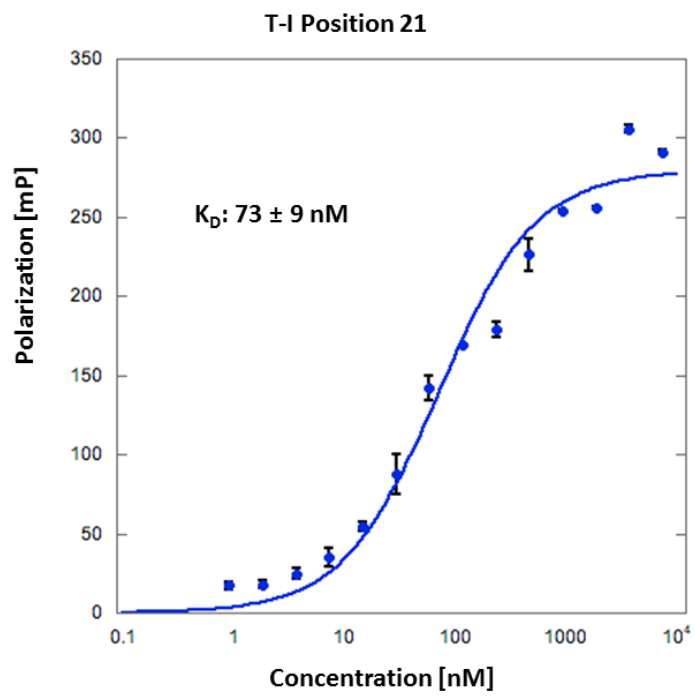
Total time 3 hr, 22 min, 56 sec



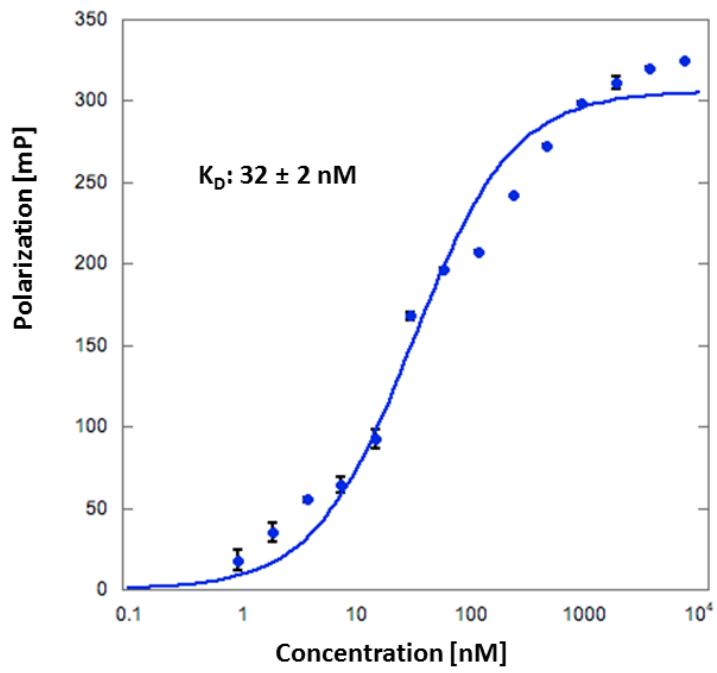
1-ER Position 20



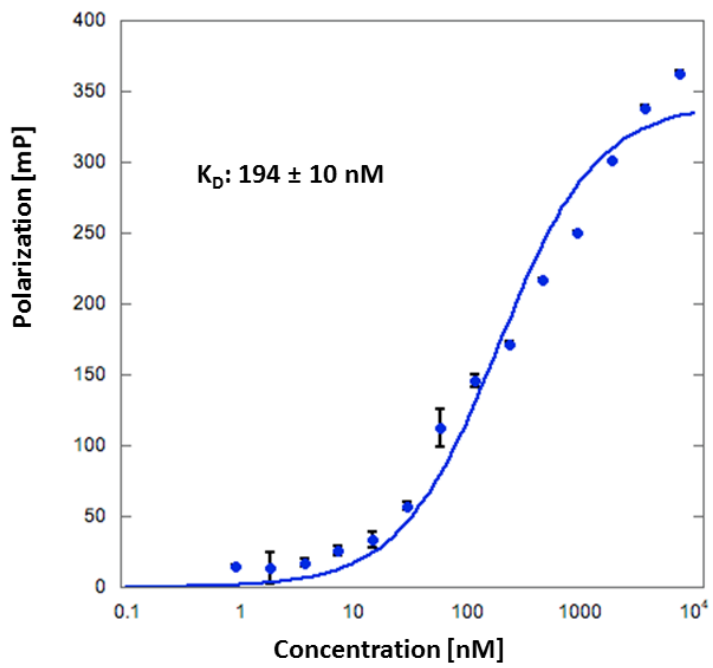


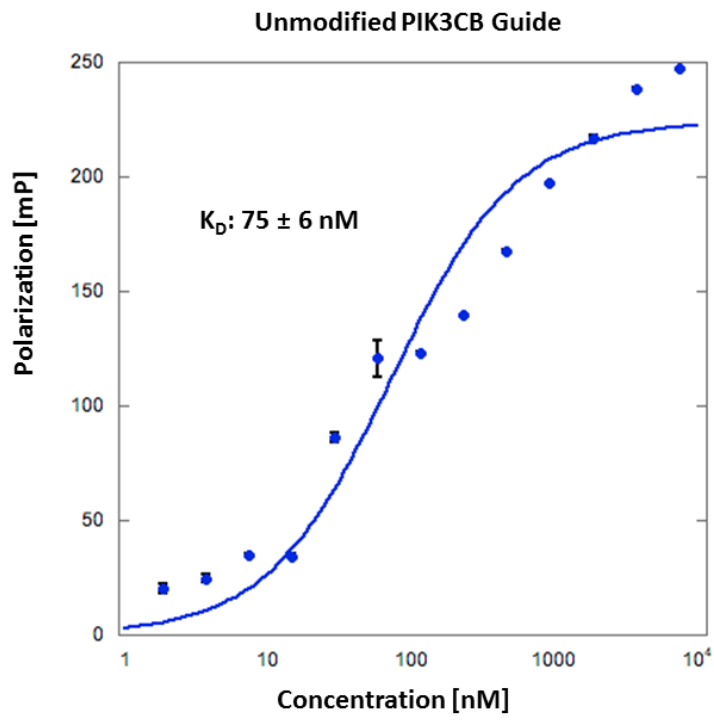


T-II Position 20

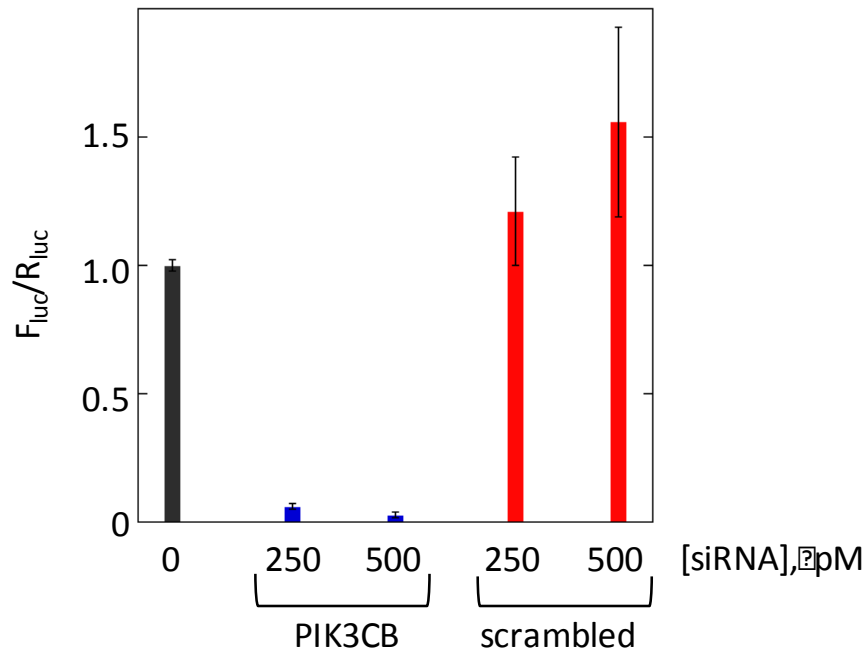


T-II Position 21









**Supporting Figure 1:** Knockdown activity of unmodified PIK3CB siRNA compared to a scrambled sequence control. RNAi activity was determined in HeLa cells with the PIK3CB luciferase reporter plasmid as described in the Materials and Methods section. Scrambled sequence siRNA: guide: 5'-p-gaaugguacguaauuauaug-3', passenger: 3'-cacuaucgaugcauuauau-5'