

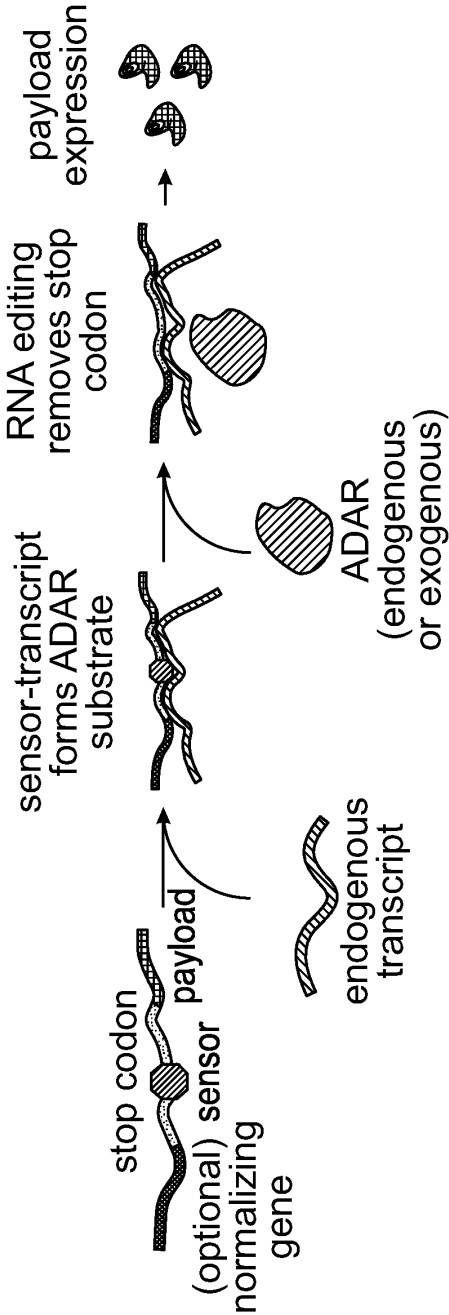


FIG. 1

2/111

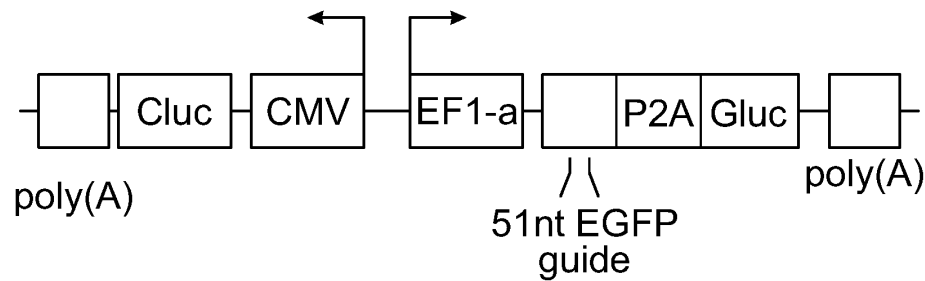


FIG. 2A

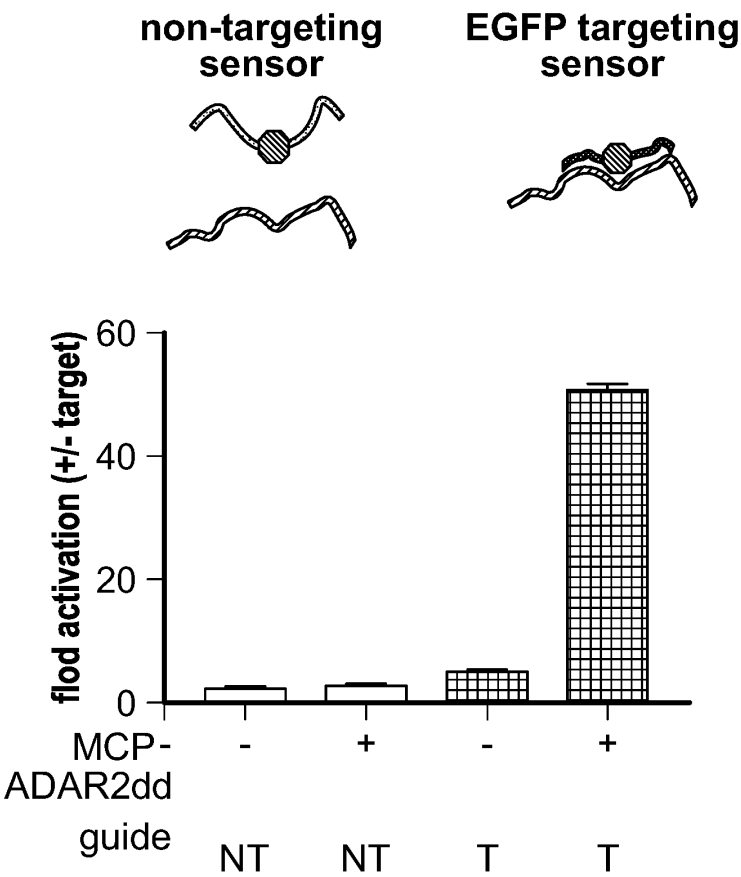


FIG. 2B

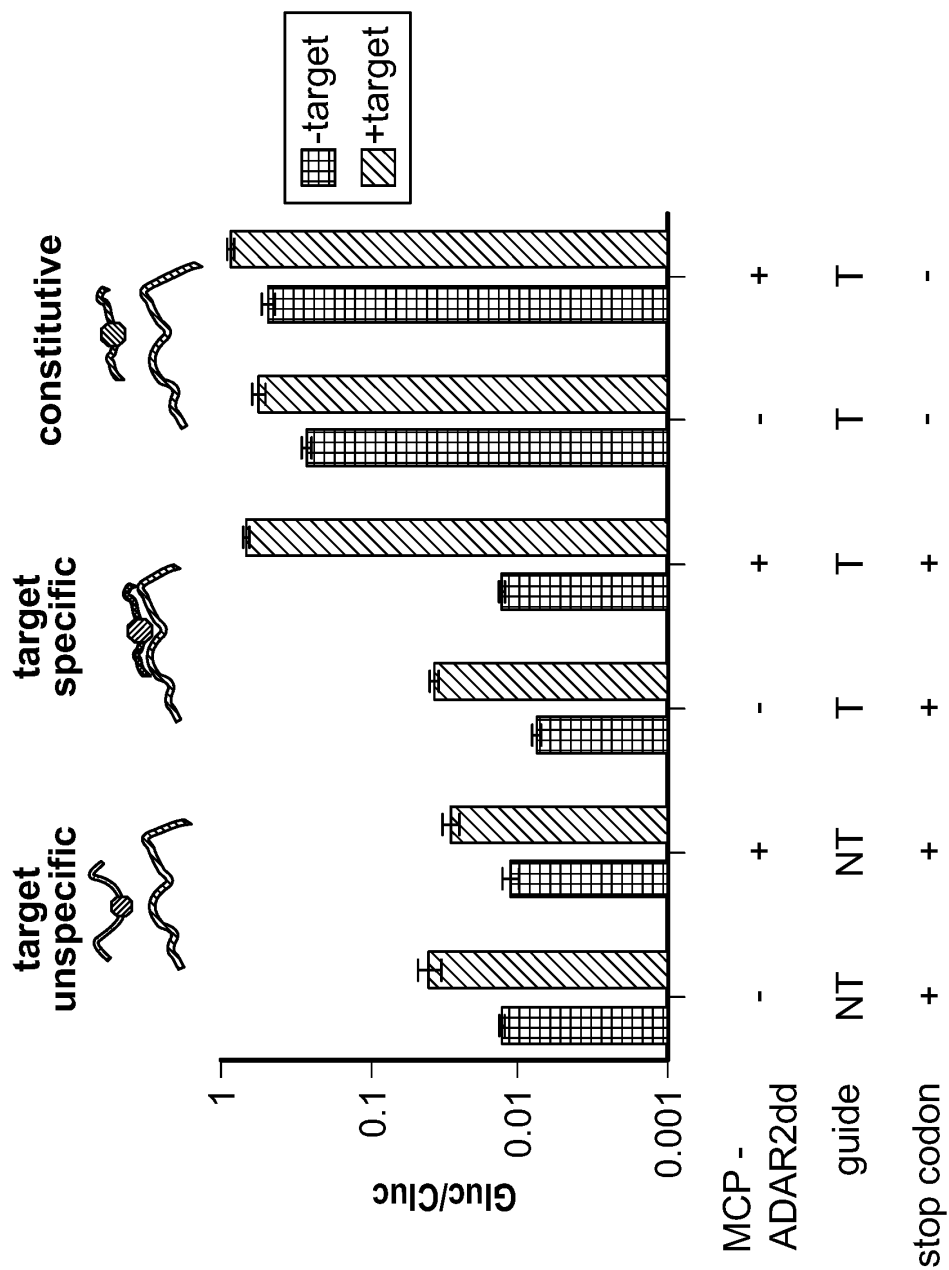


FIG. 2C

4/111

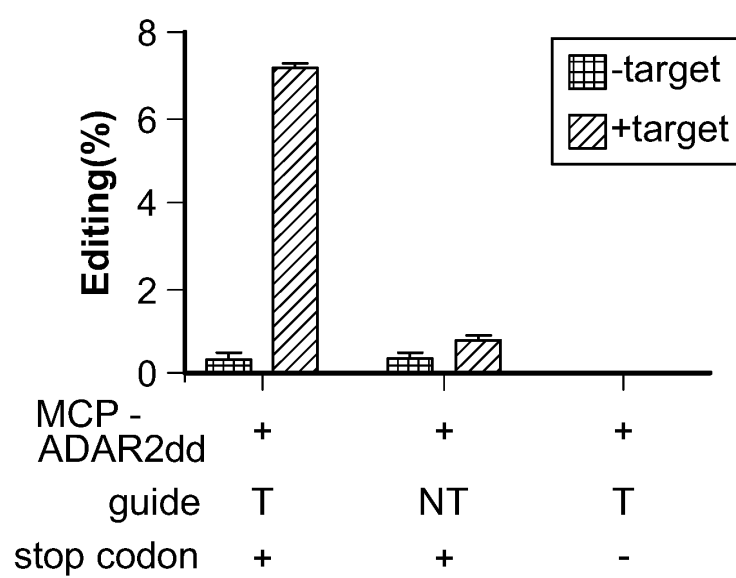


FIG. 2D

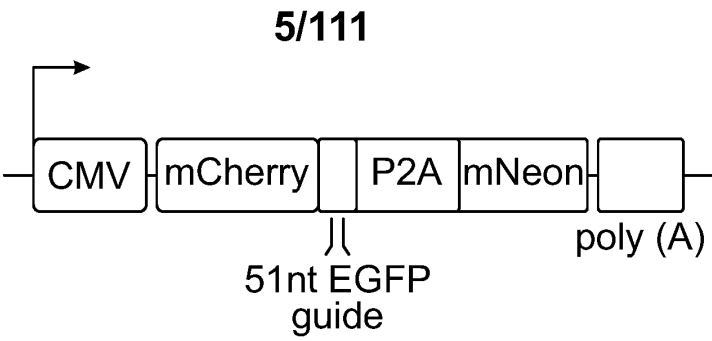


FIG. 3A

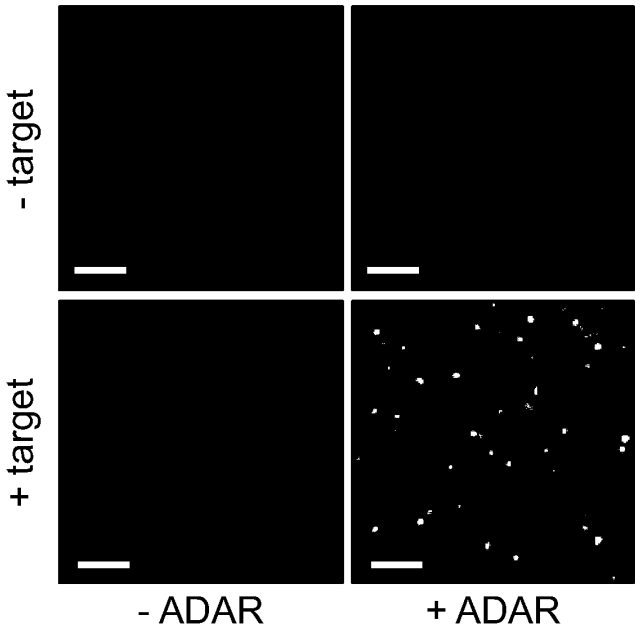


FIG. 3B

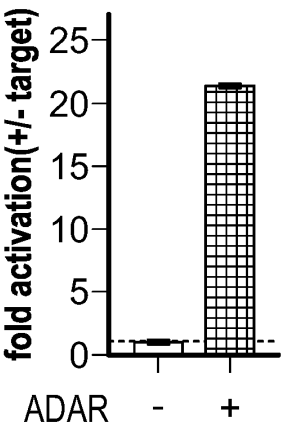


FIG. 3C

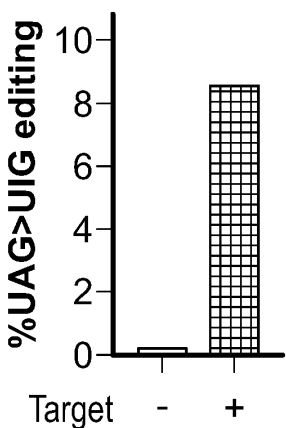


FIG. 3D

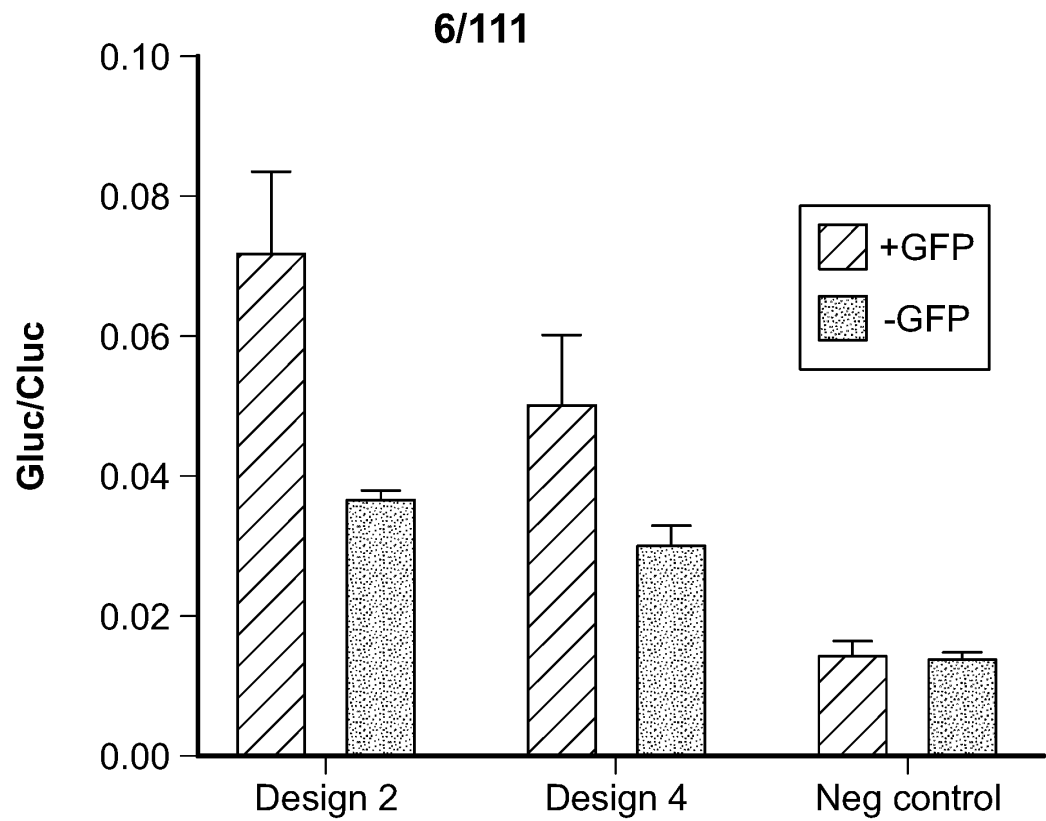


FIG. 4A

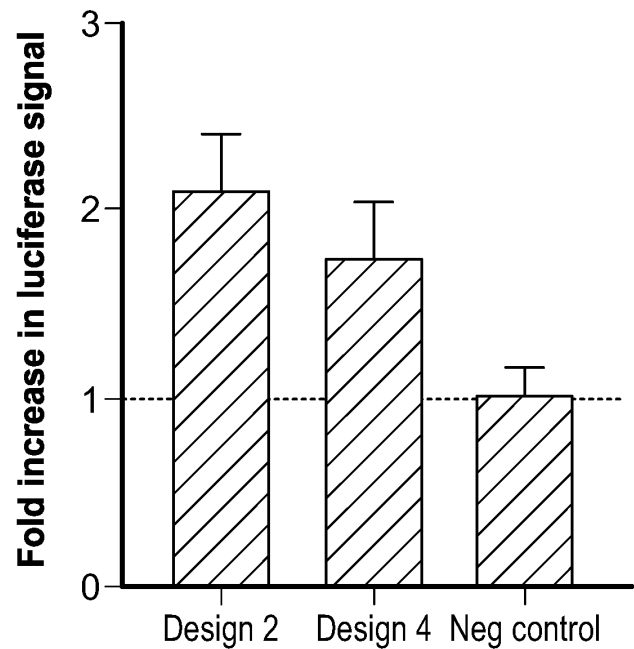


FIG. 4B

7/111

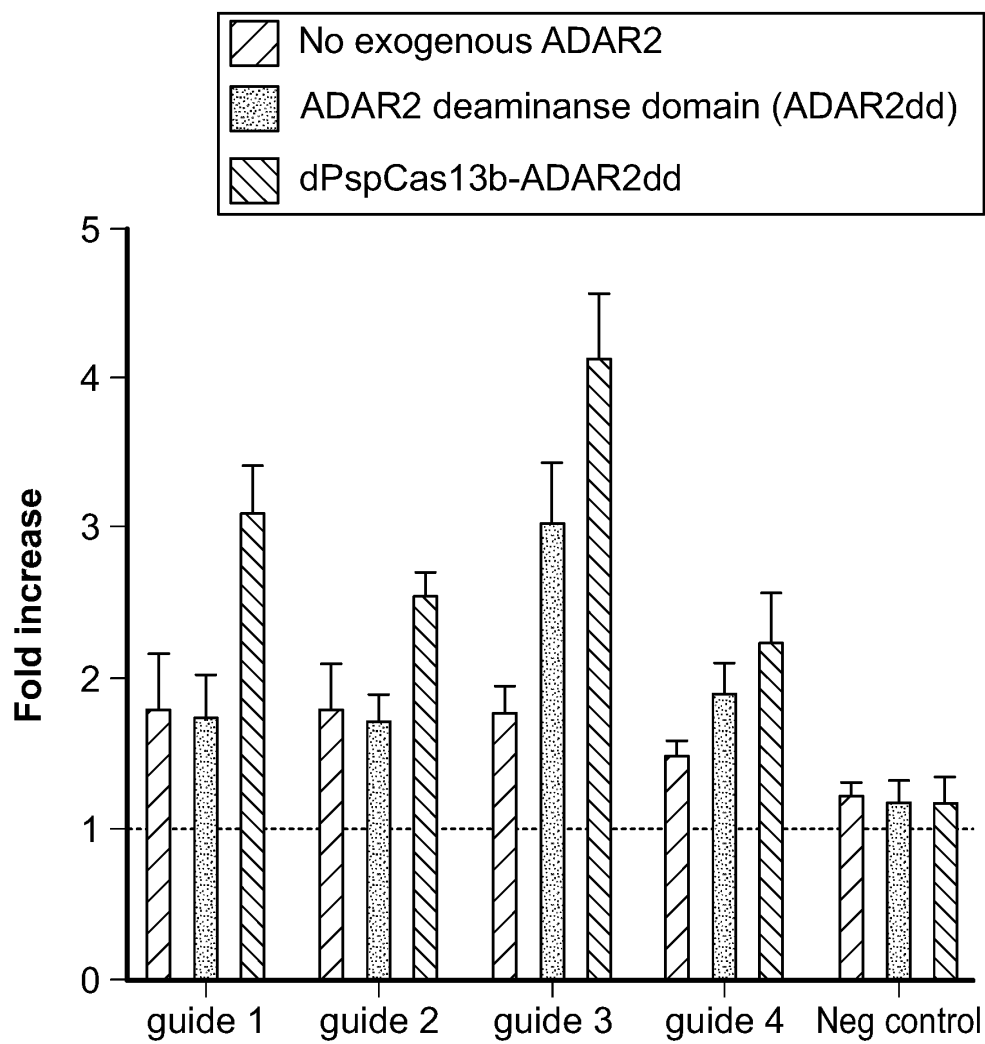


FIG. 5

ADAR variant and catalytic site mutation screen fold change

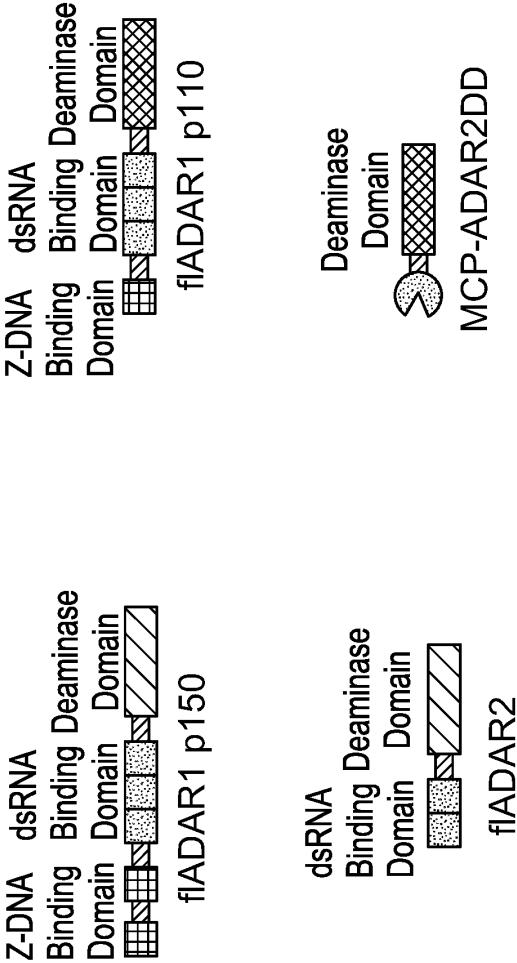


FIG. 6A

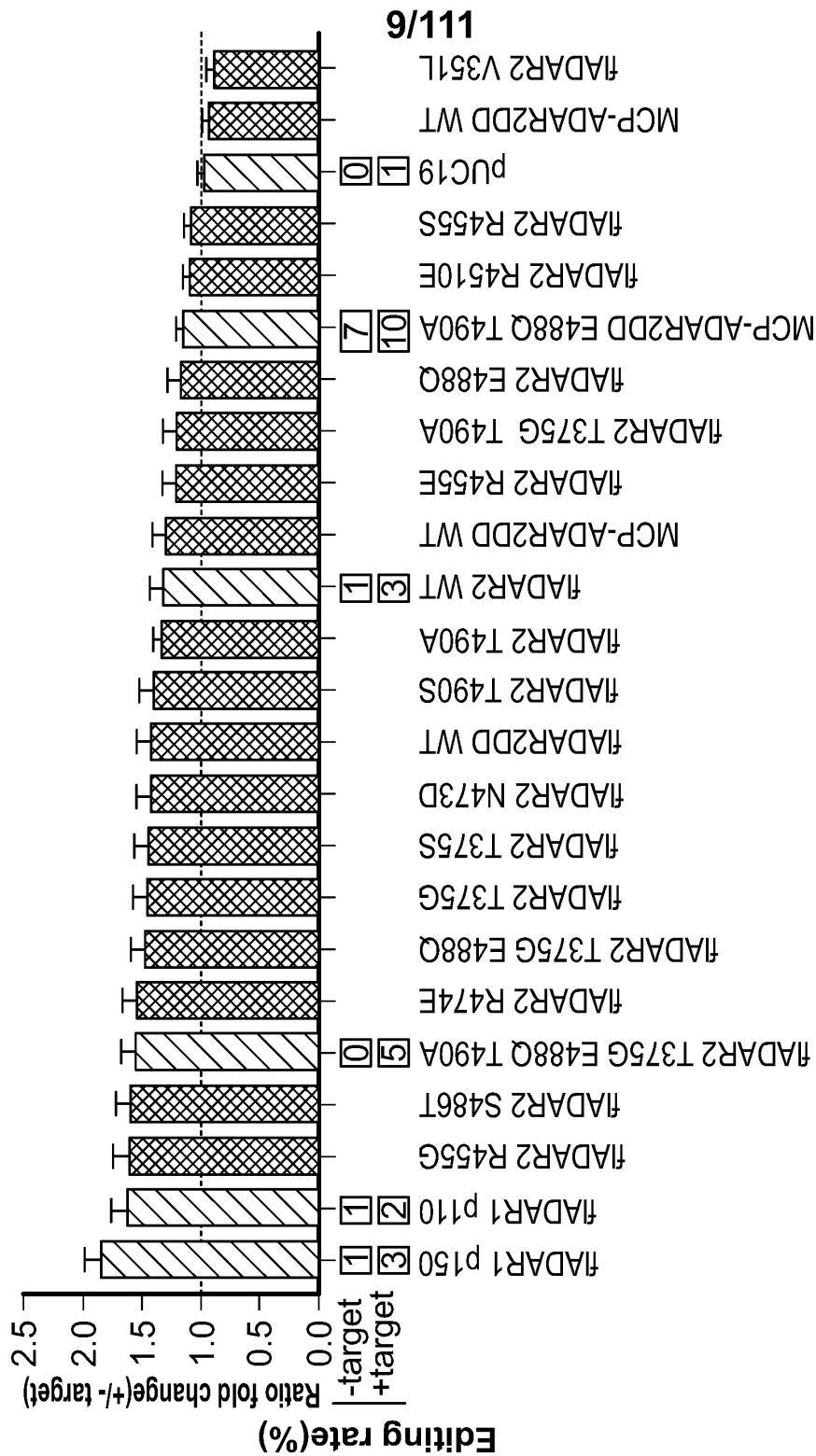


FIG. 6B

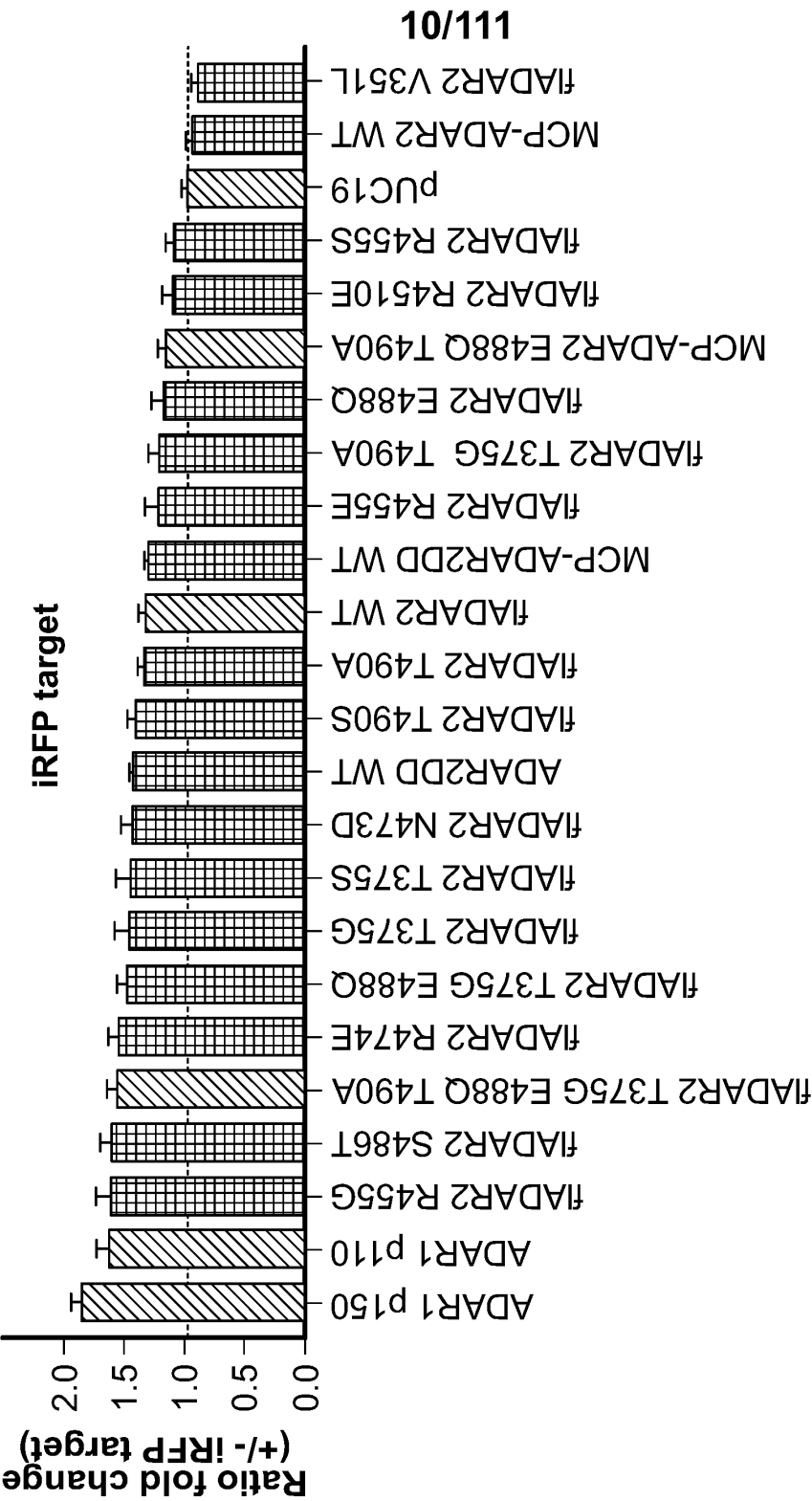


FIG. 7A

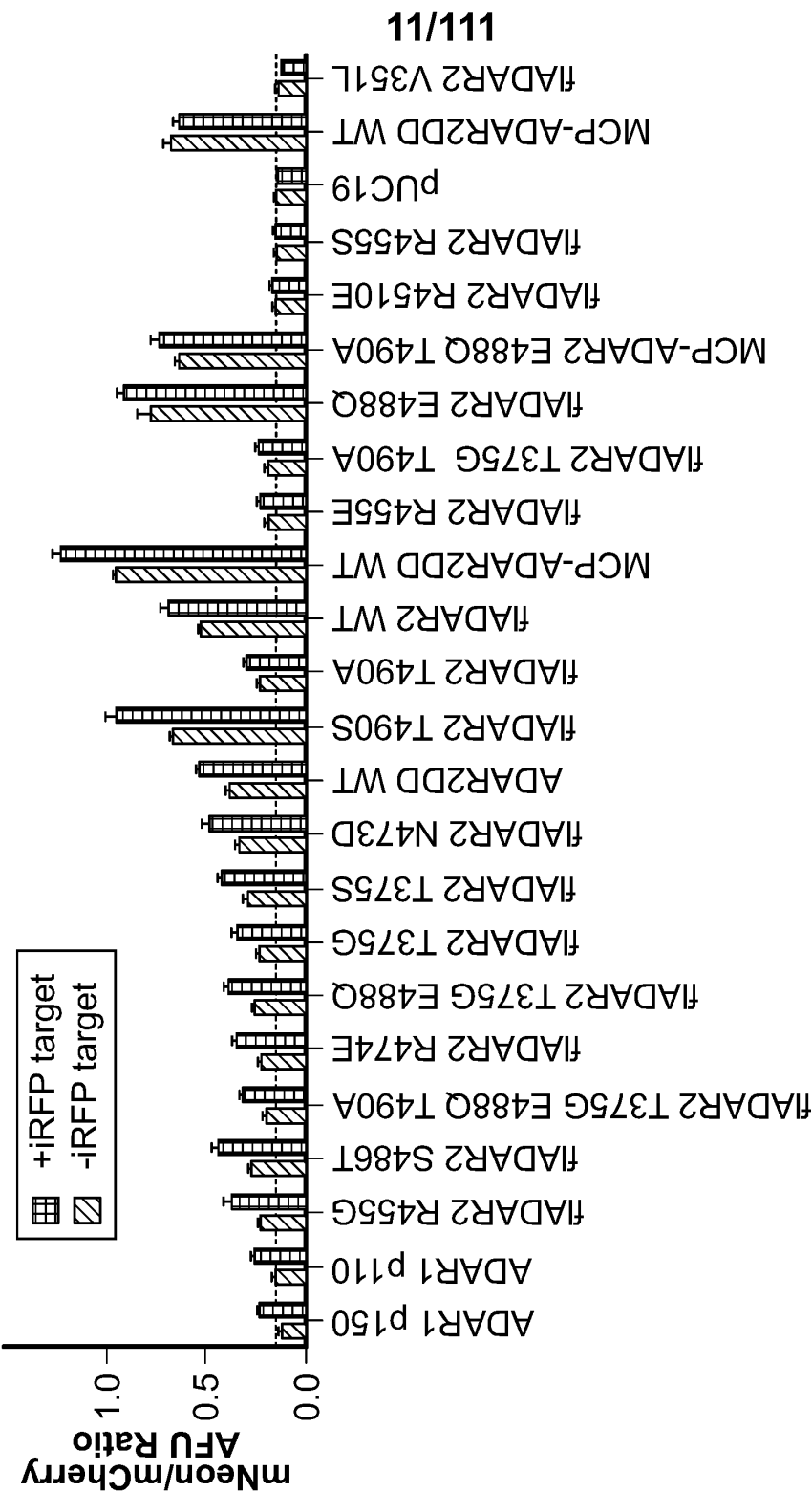


FIG. 7B

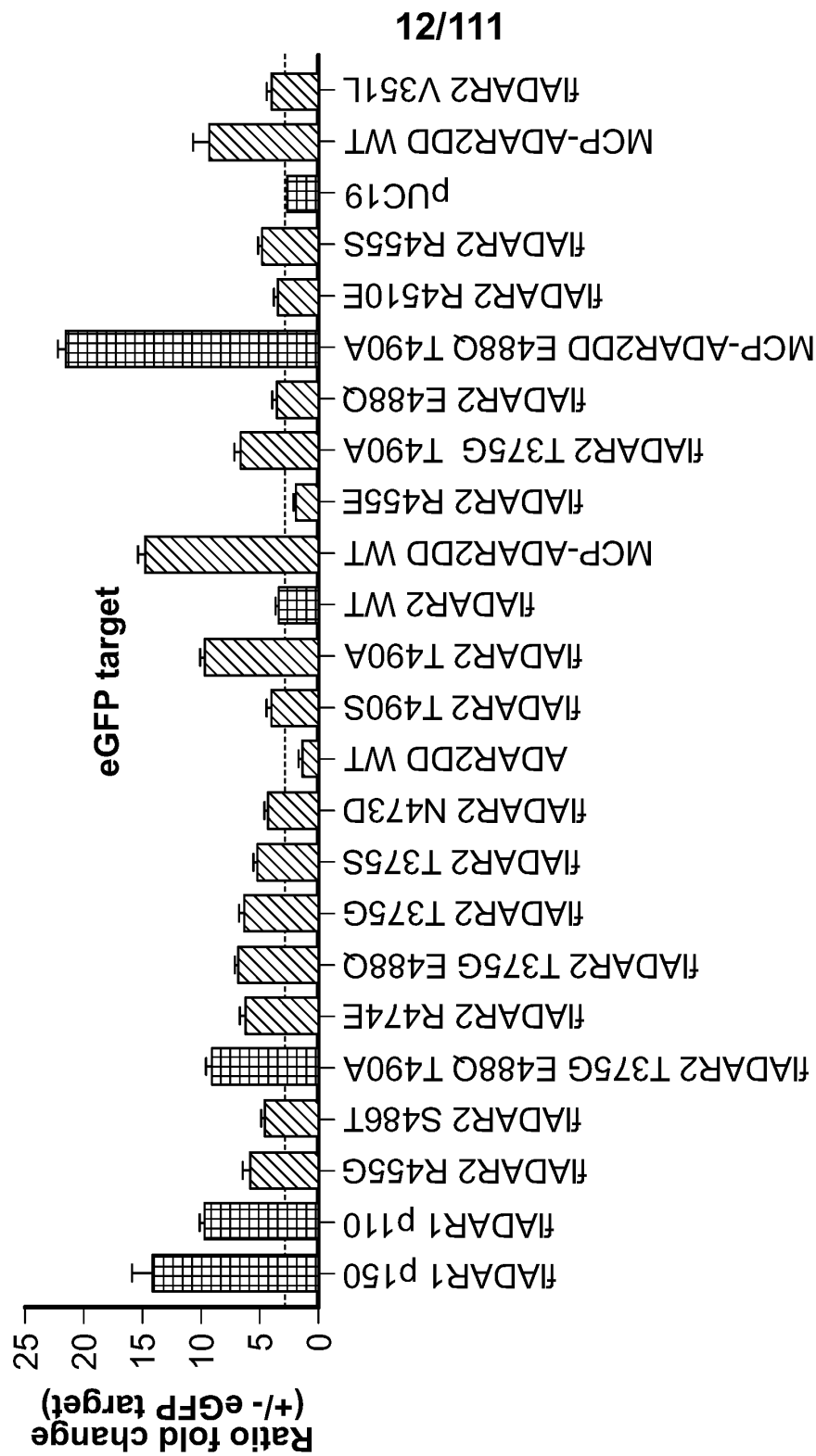


FIG. 7C

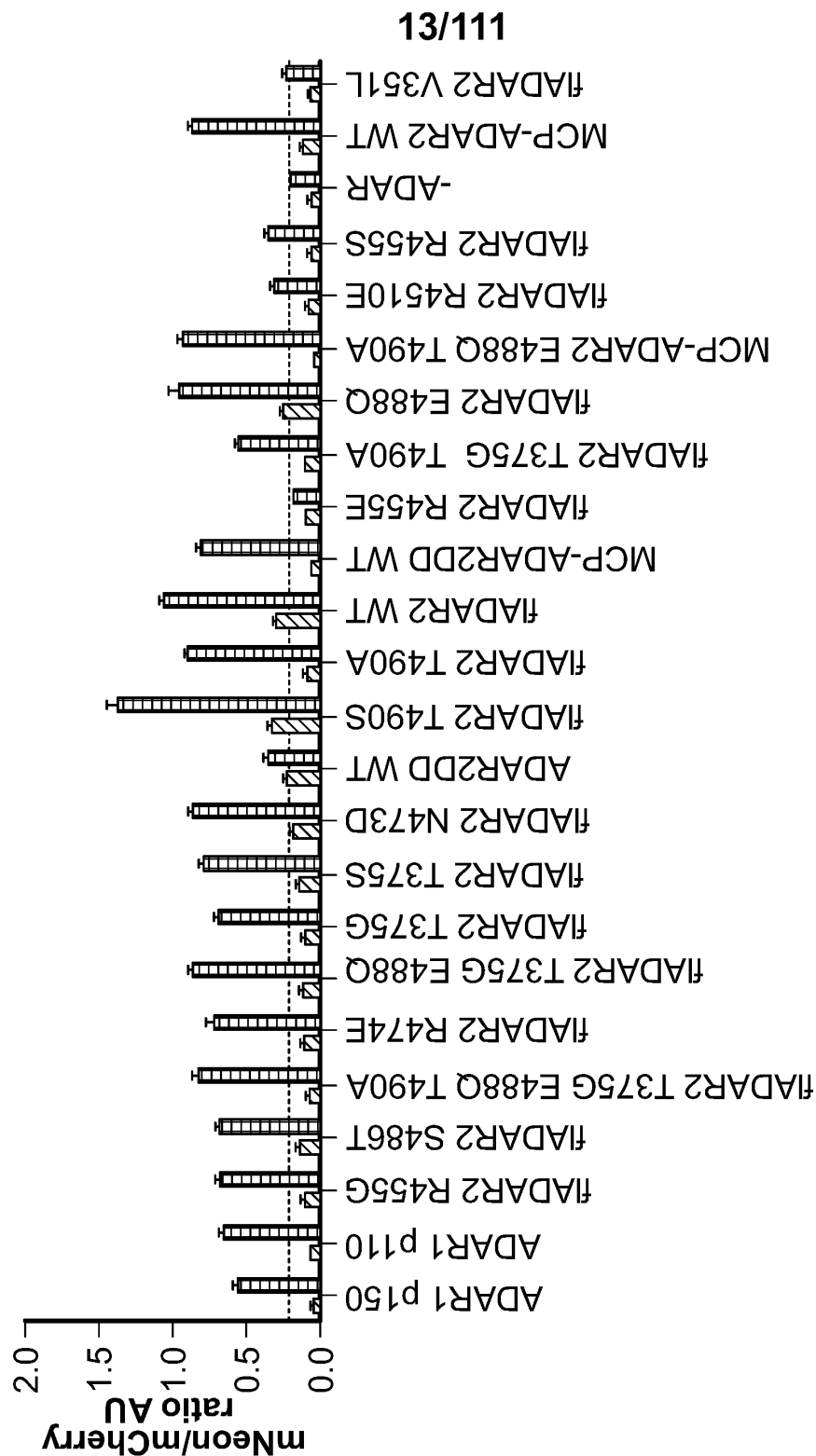
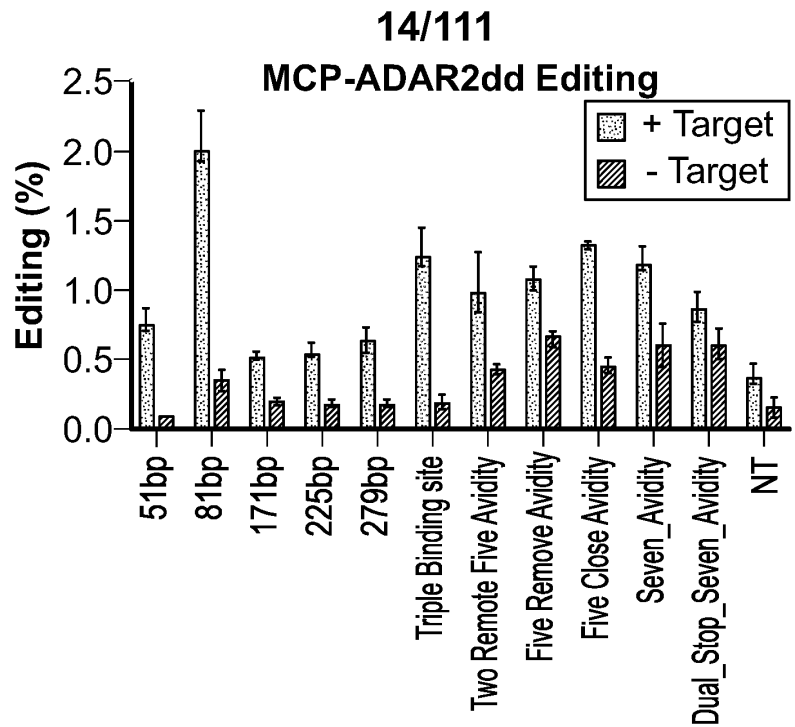
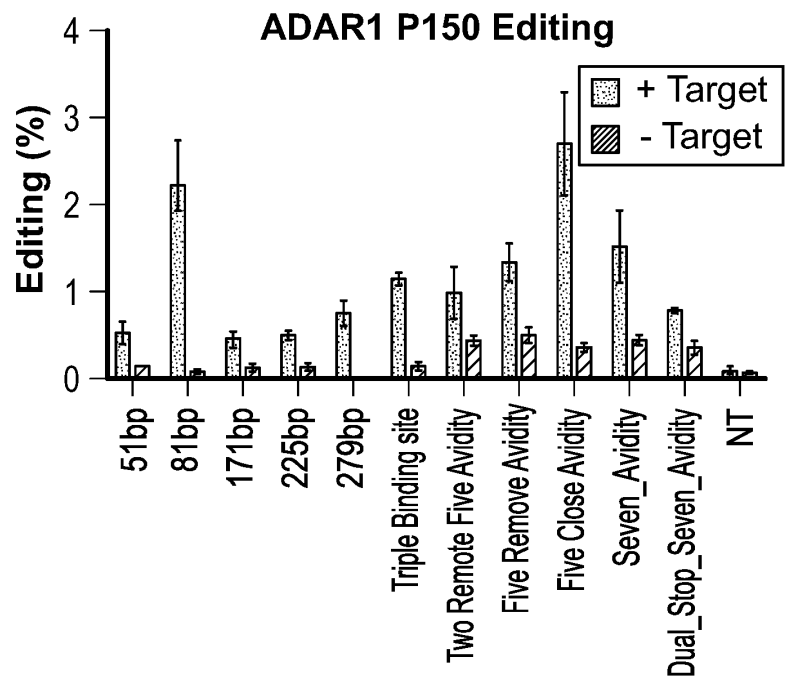


FIG. 7D



**FIG. 8A**



**FIG. 8B**

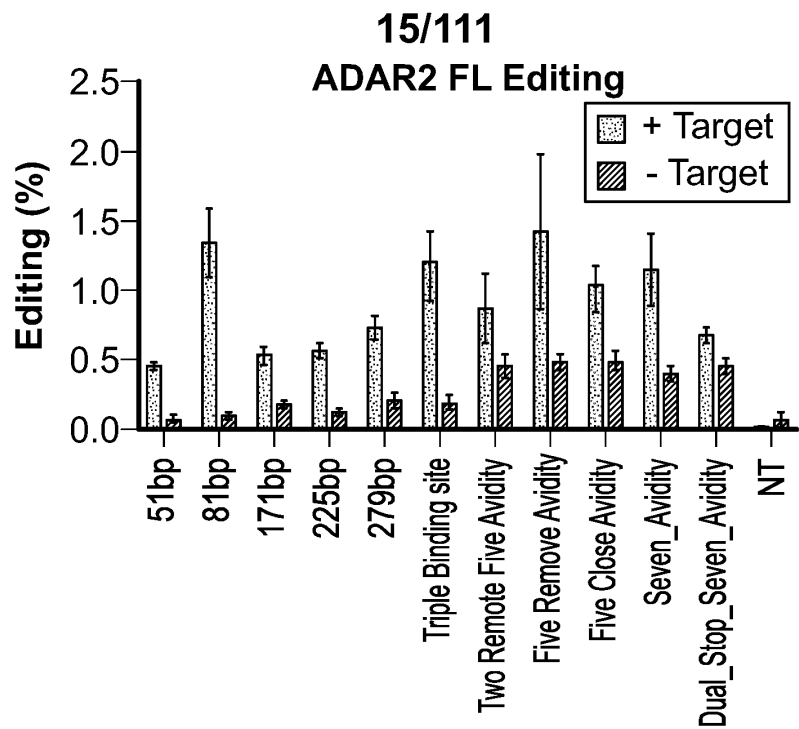


FIG. 8C

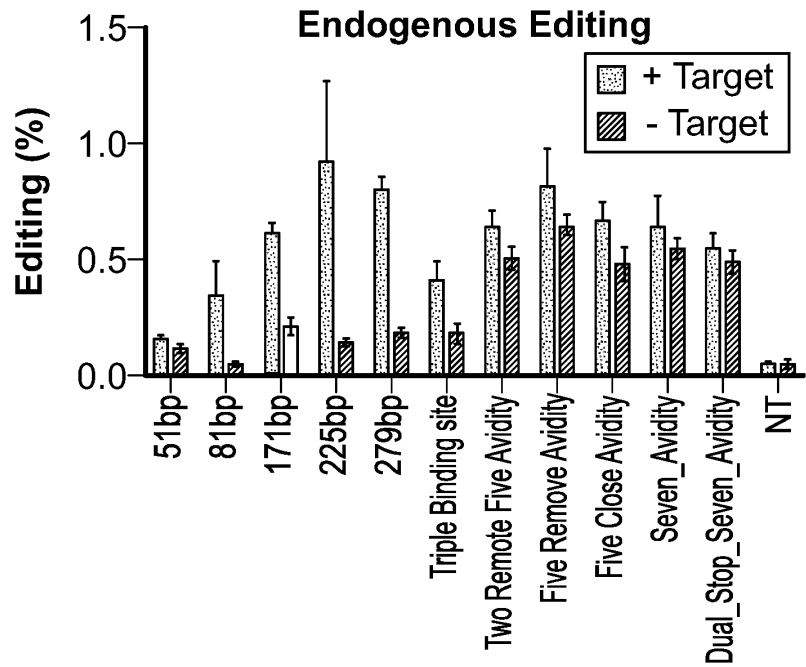


FIG. 8D

16/111

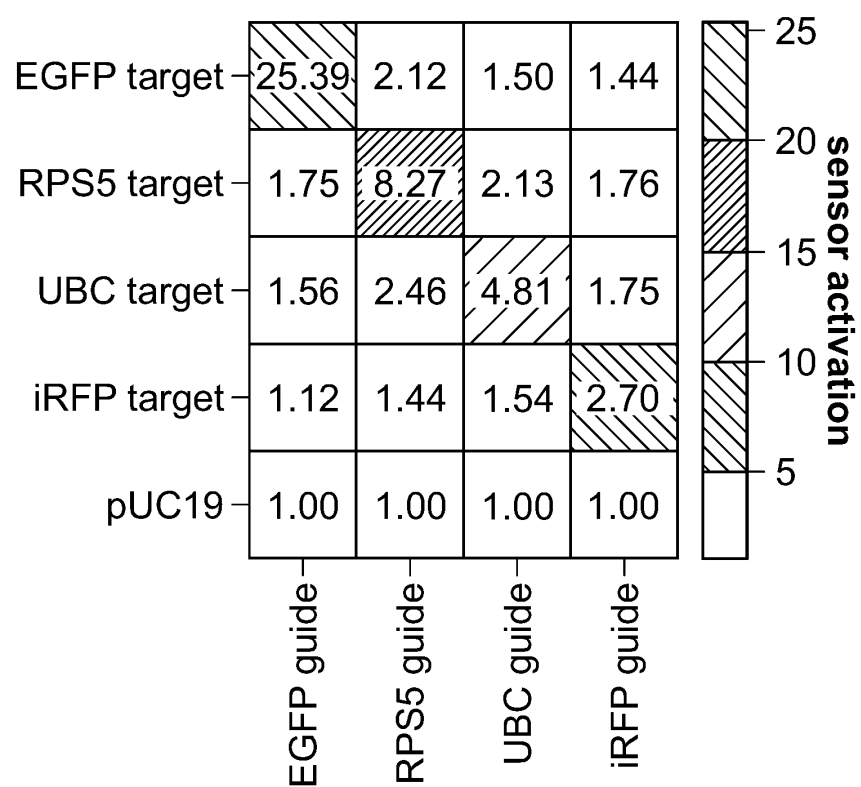
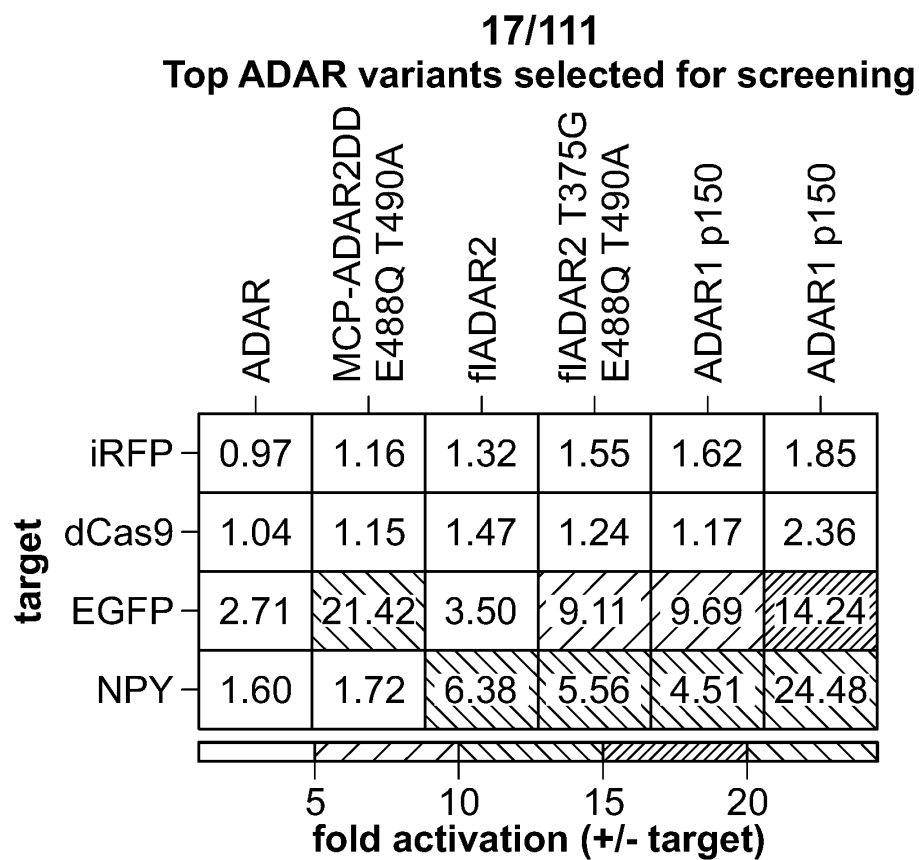
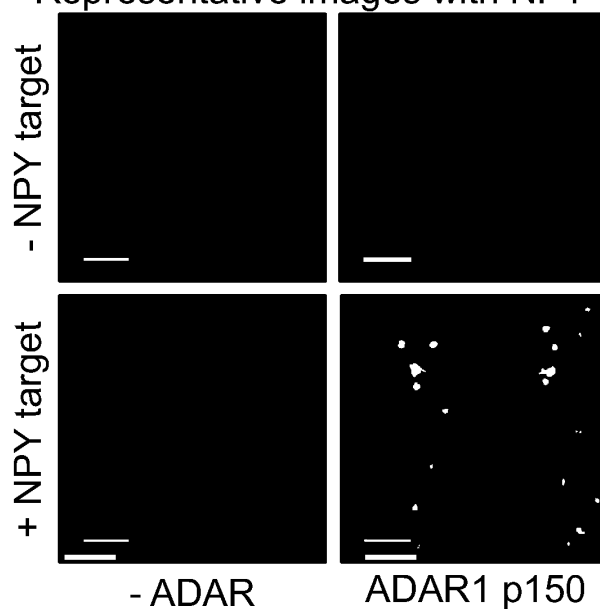
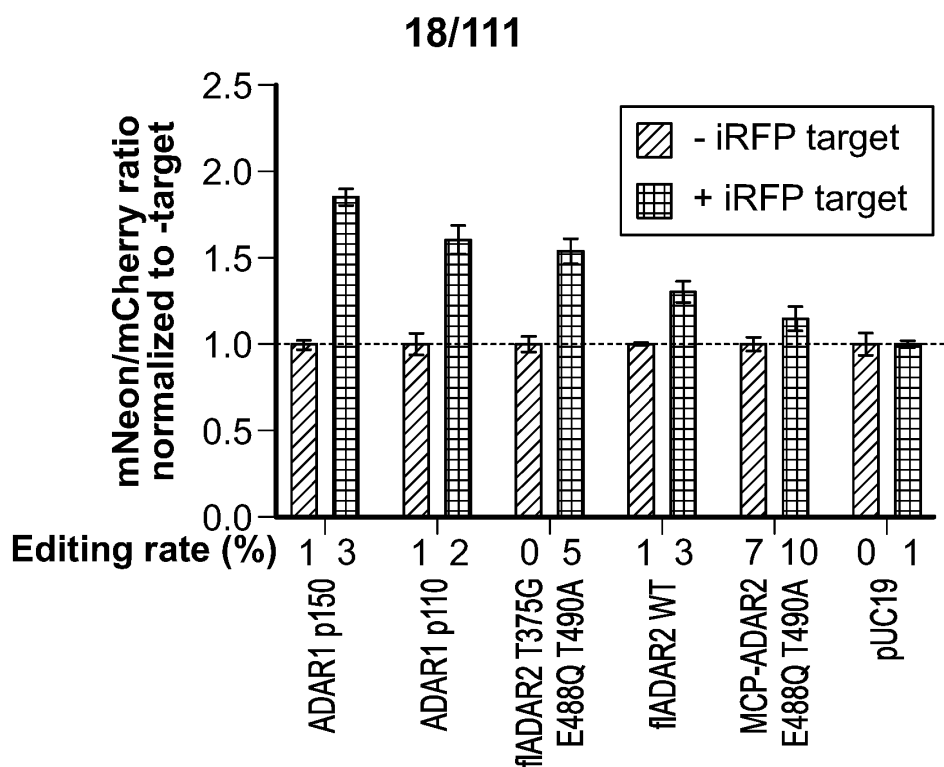
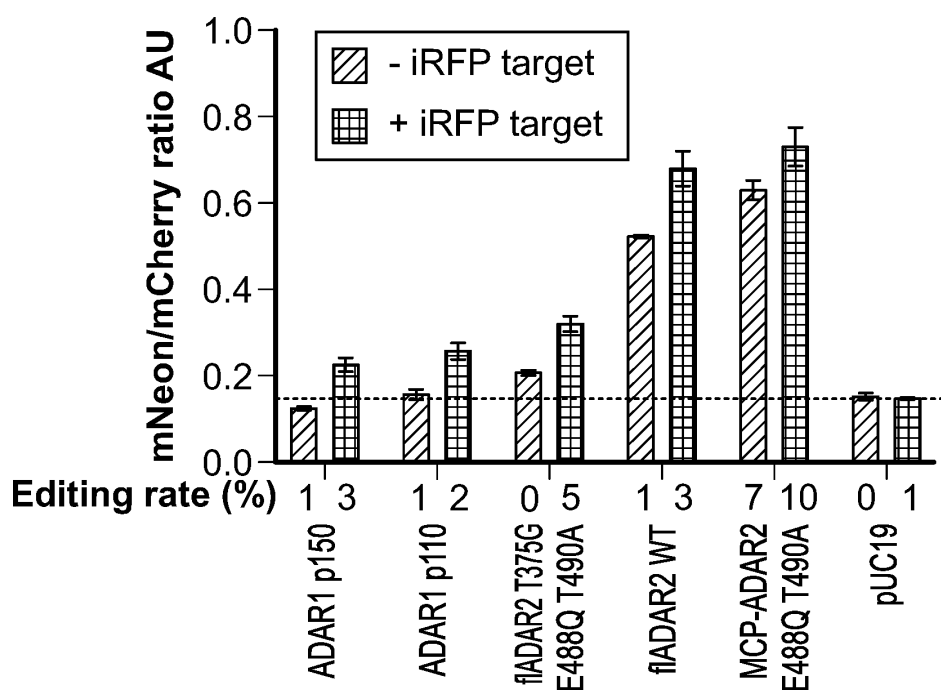


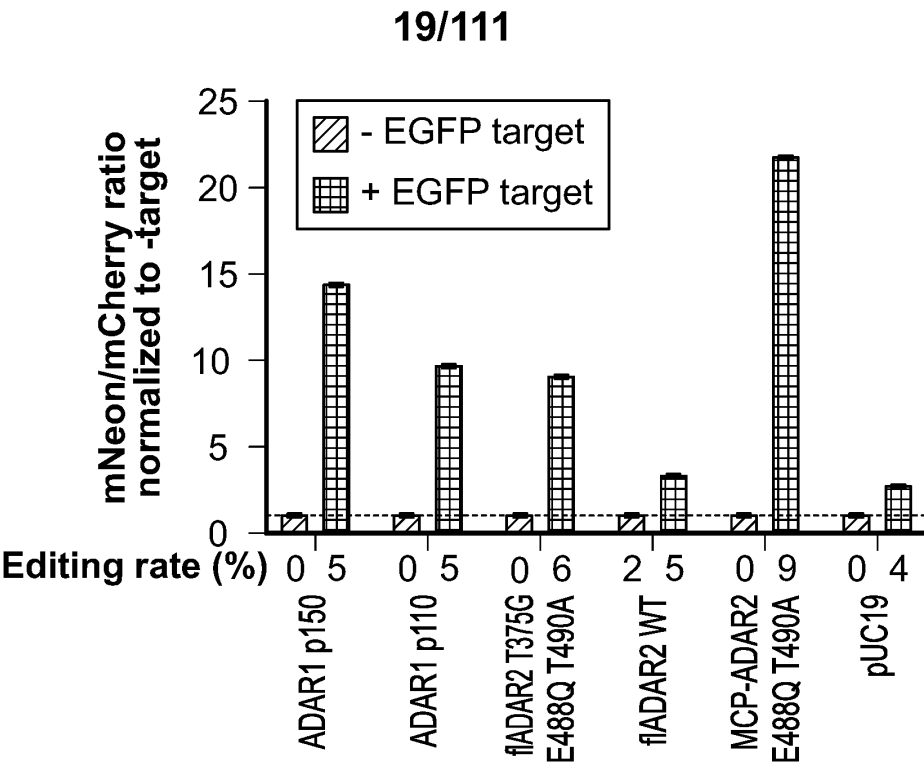
FIG. 9

**FIG. 10A**

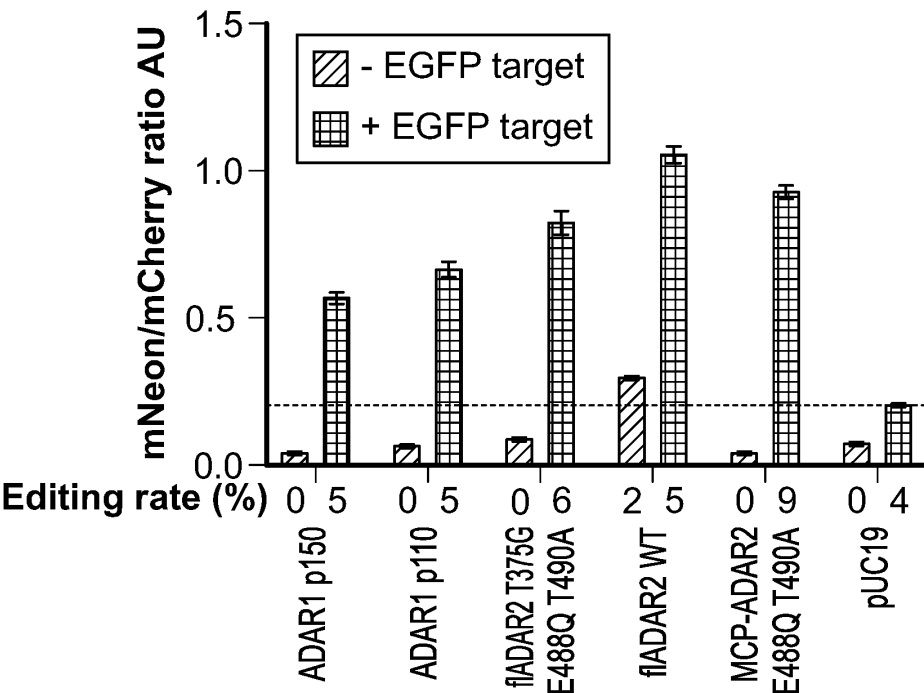
Representative images with NPY target

**FIG. 10B**

**FIG. 11A****FIG. 11B**



**FIG. 11C**



**FIG. 11D**

20/111

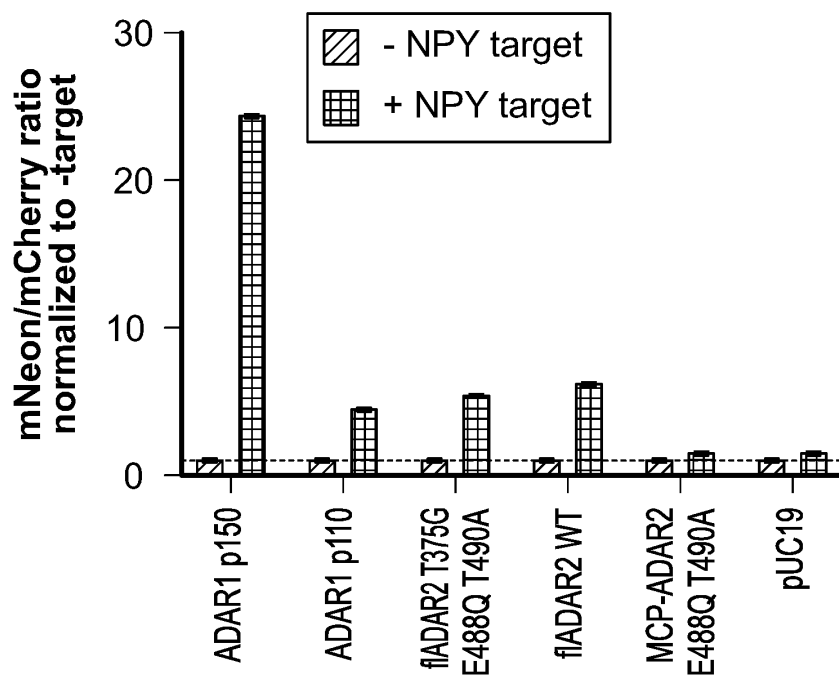


FIG. 11E

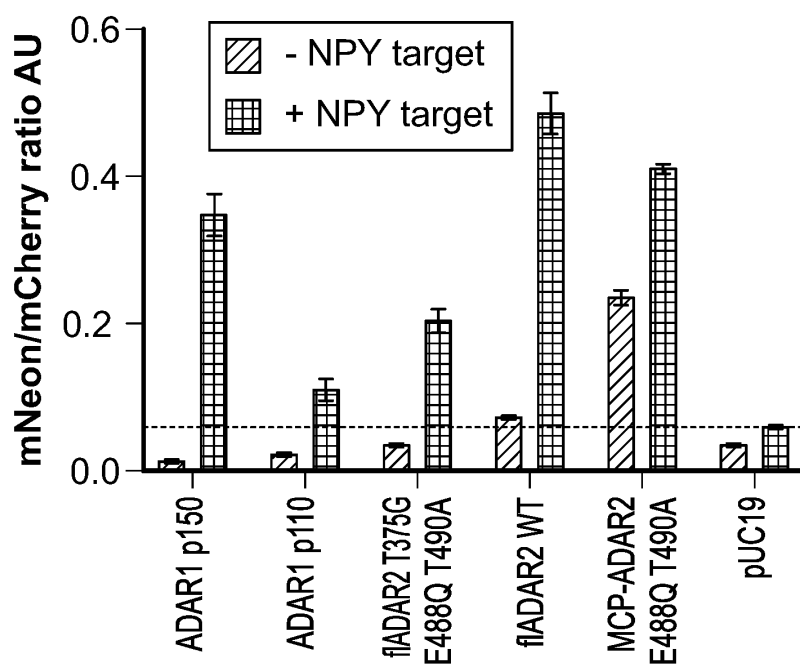


FIG. 11F

21/111

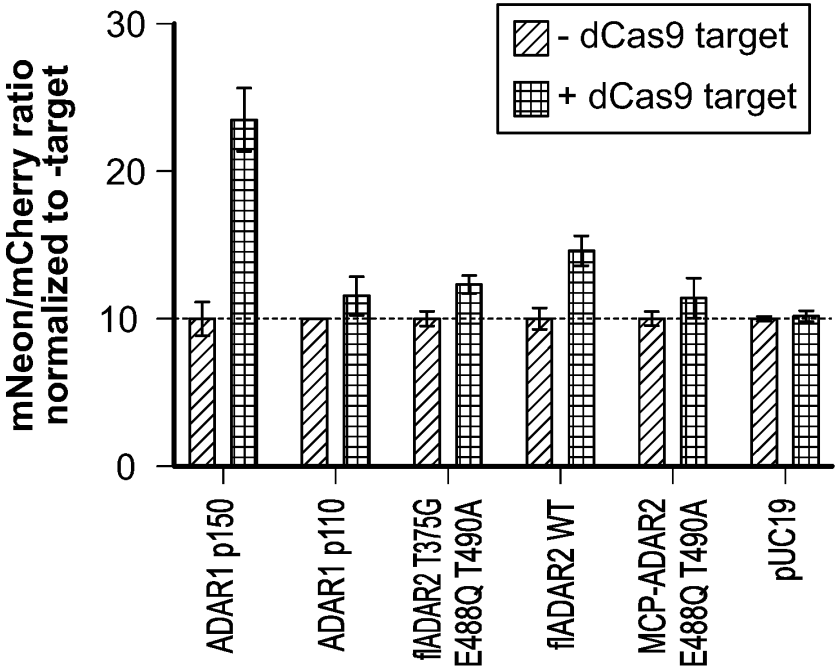


FIG. 11G

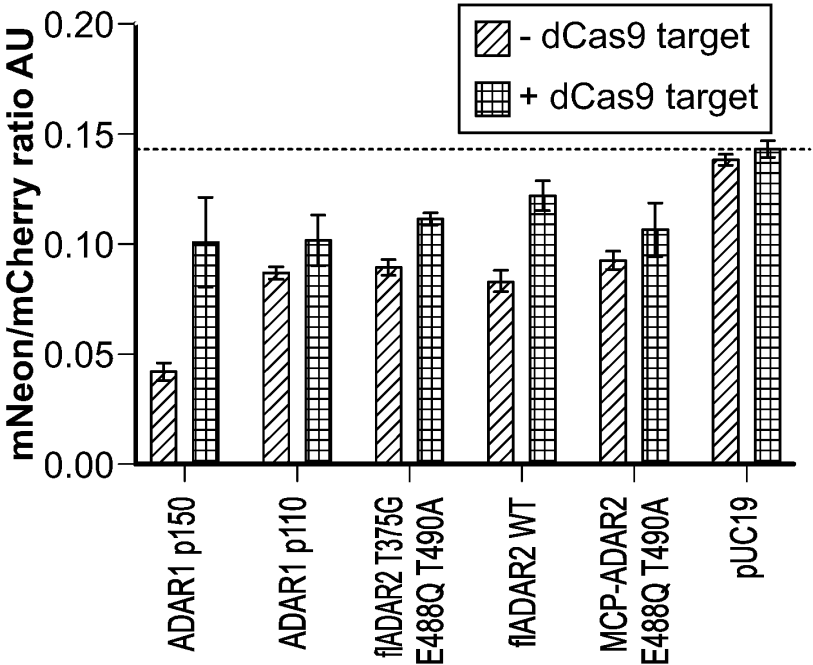


FIG. 11H

22/111

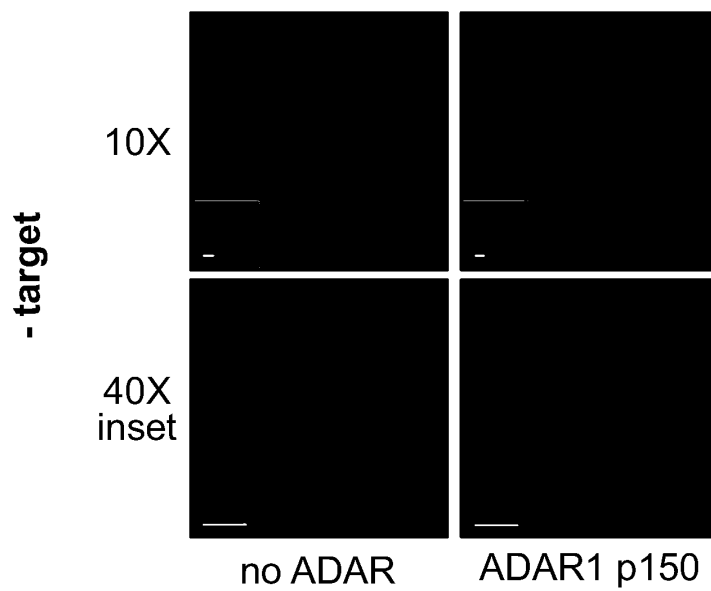


FIG. 12A

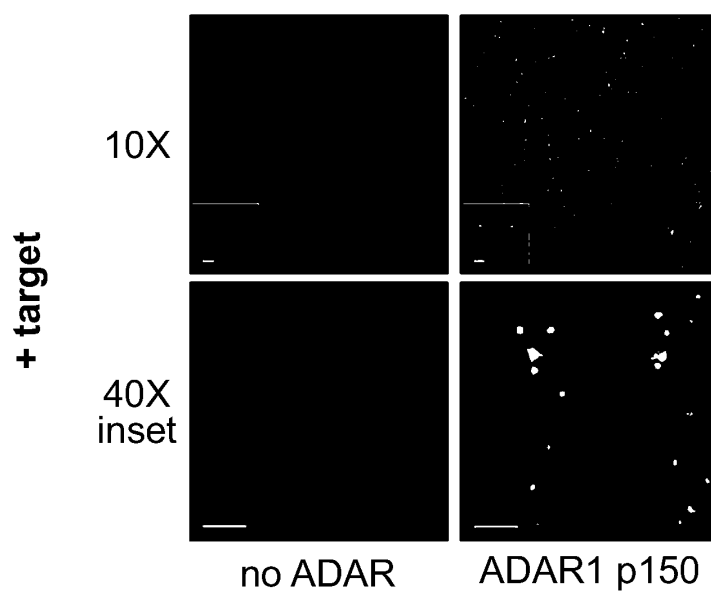


FIG. 12B

23/111

## MCP-ADAR2dd Background vs Activation

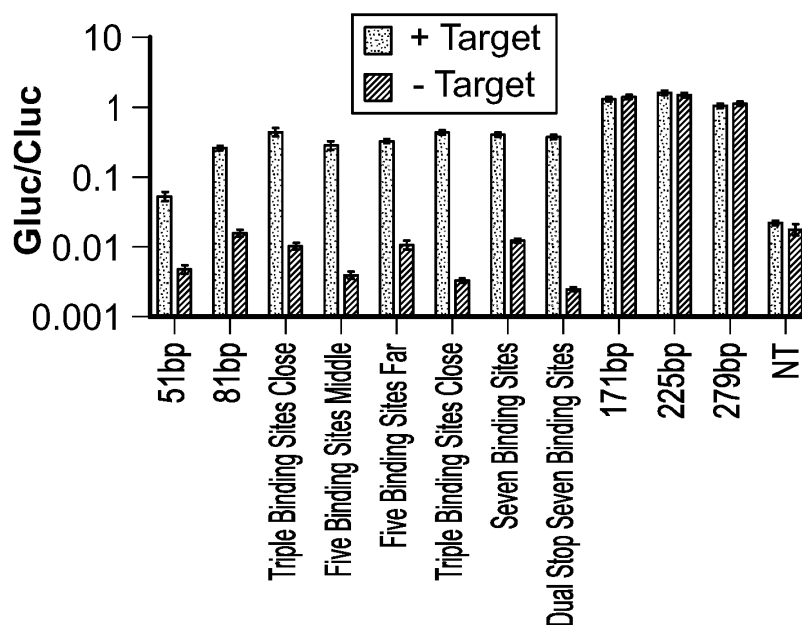


FIG. 13A

## ADAR1 P150 Background vs Activation

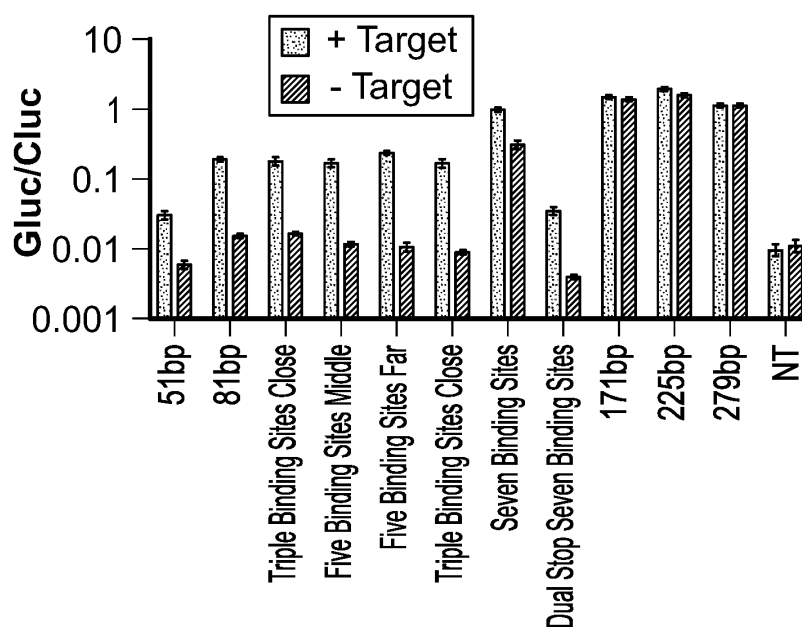


FIG. 13B

24/111

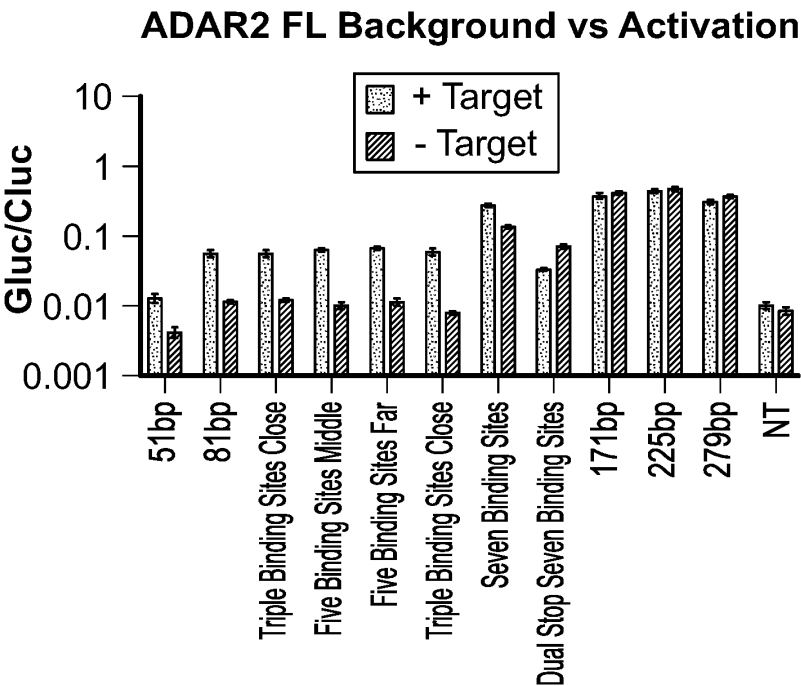


FIG. 13C

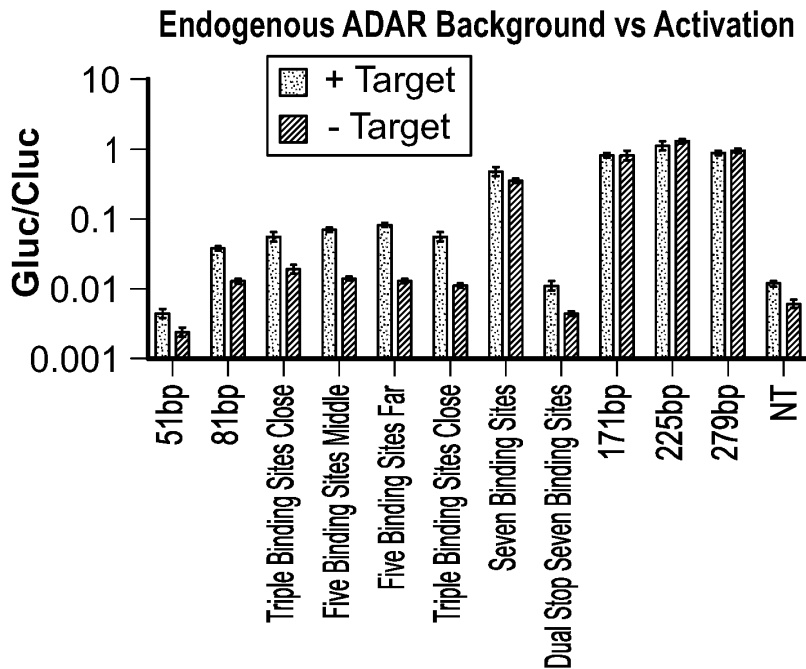


FIG. 13D

25/111

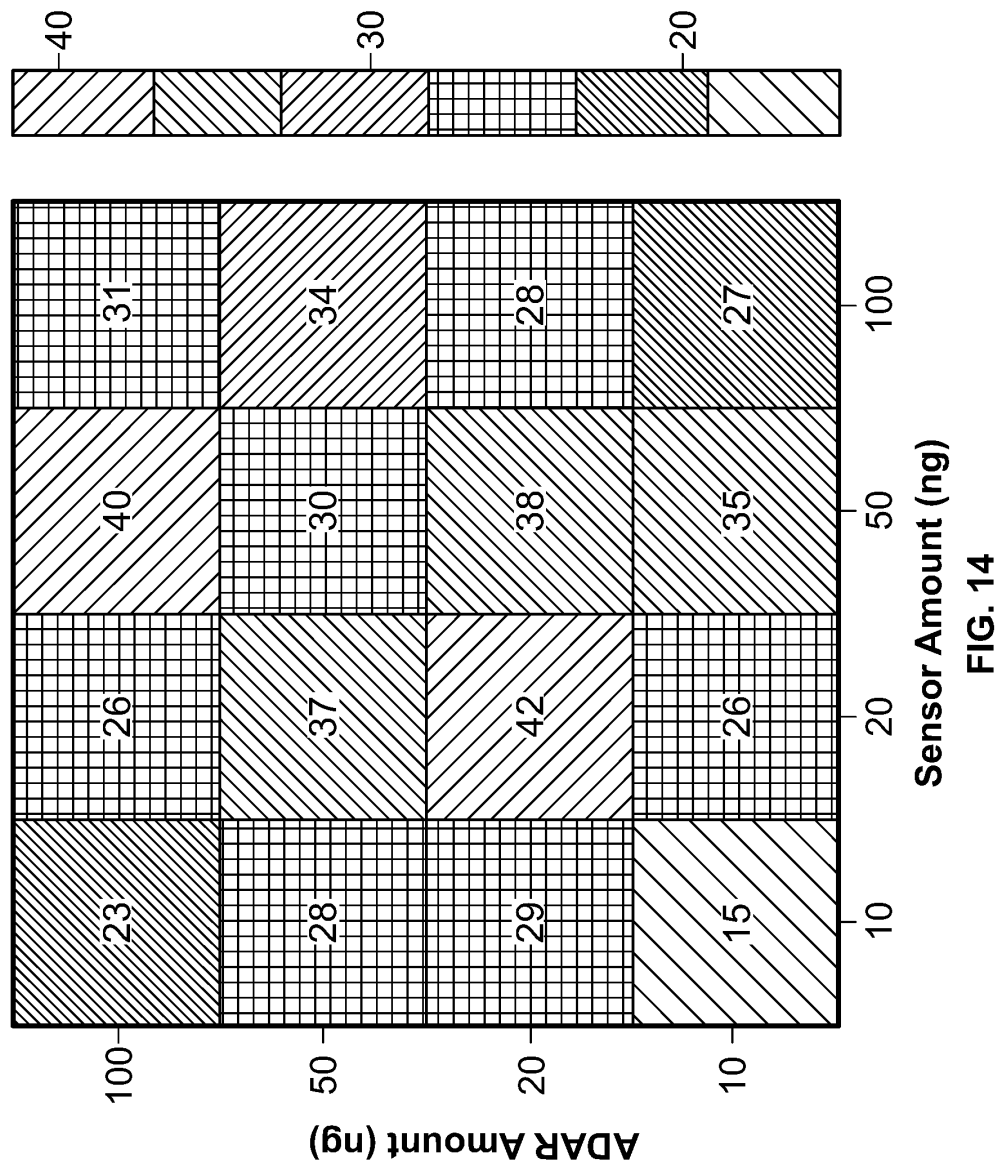


FIG. 14

26/111

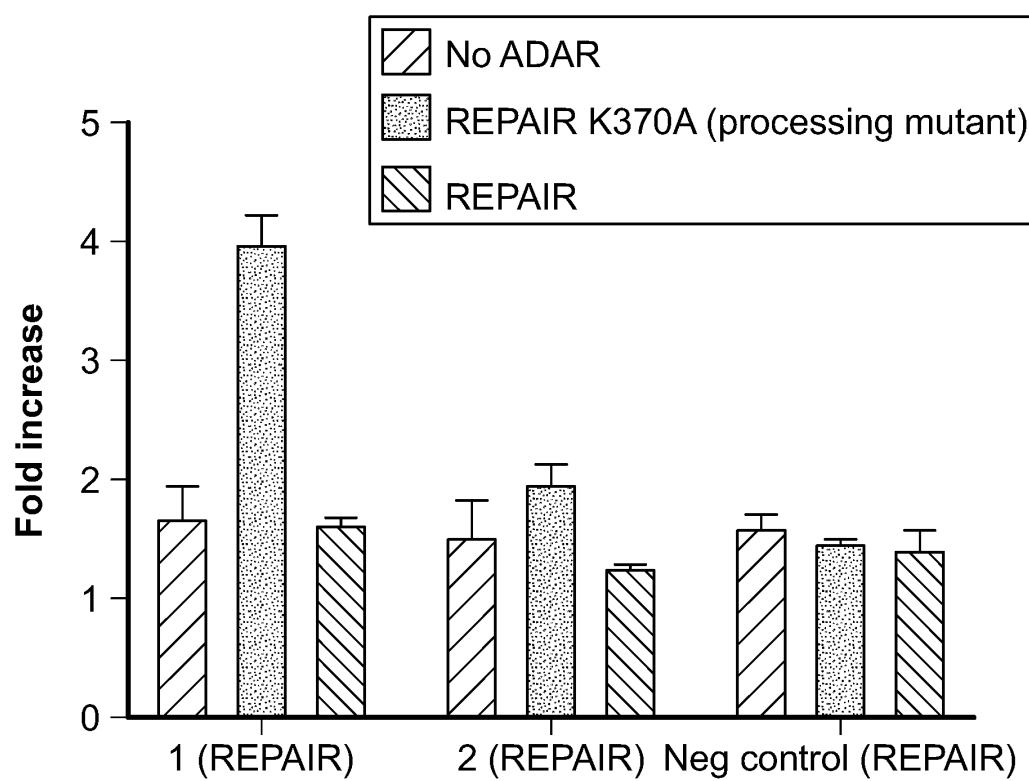


FIG. 15

27/111

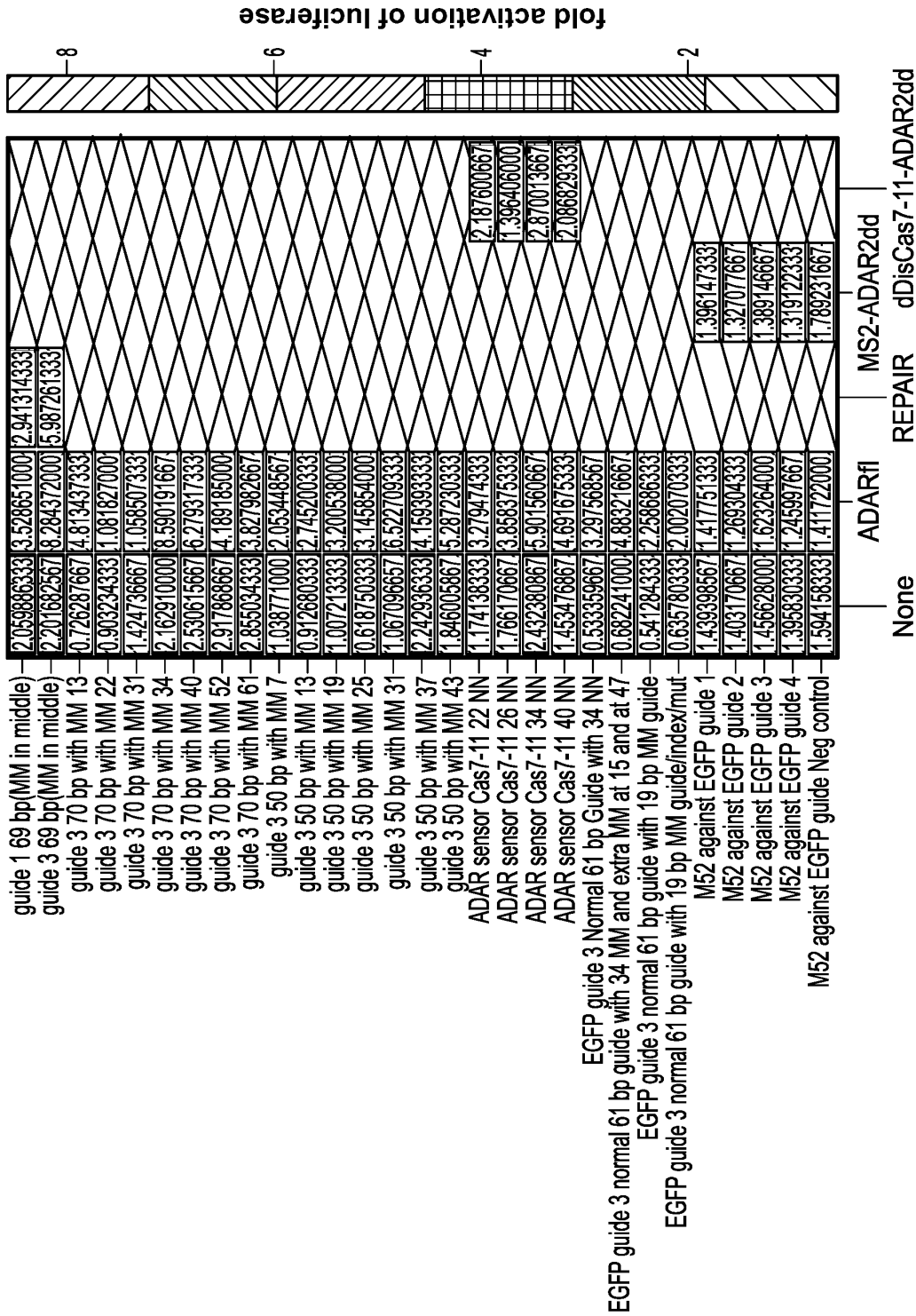
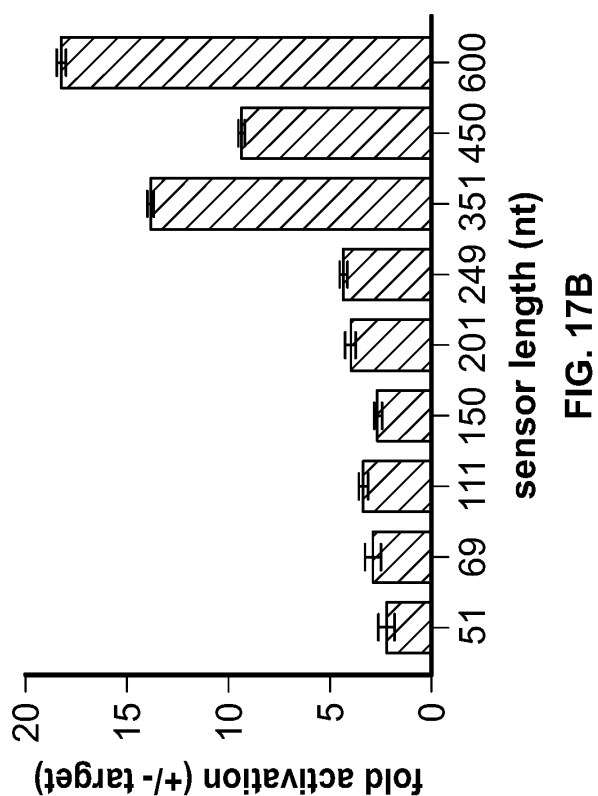
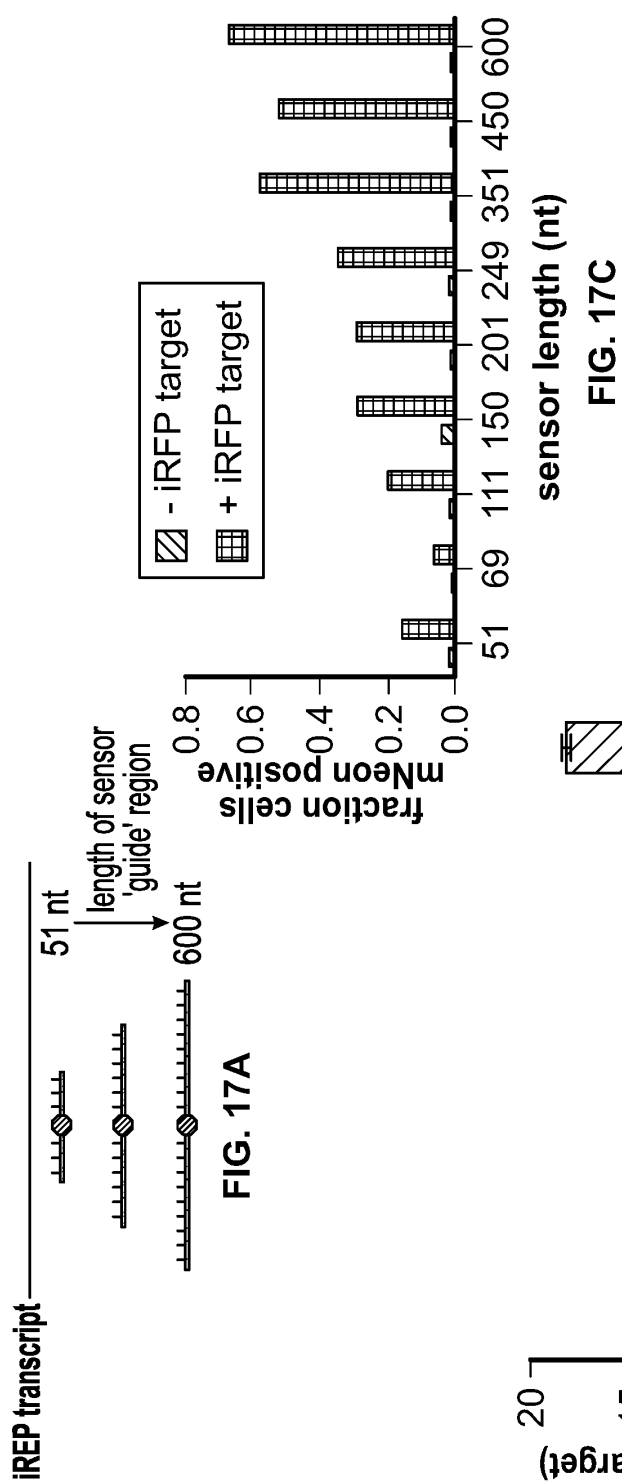
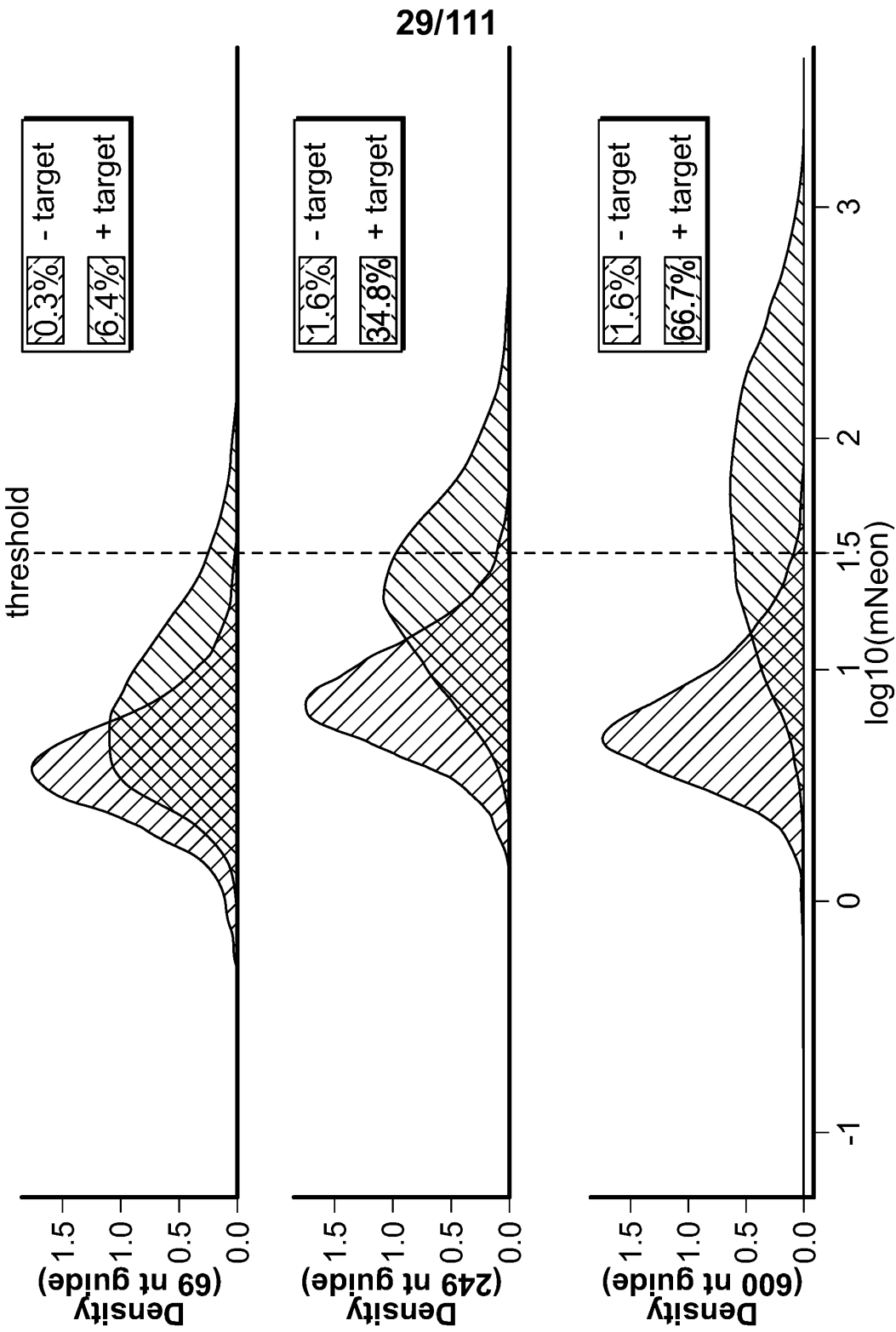


FIG. 16

**28/111**





30/111

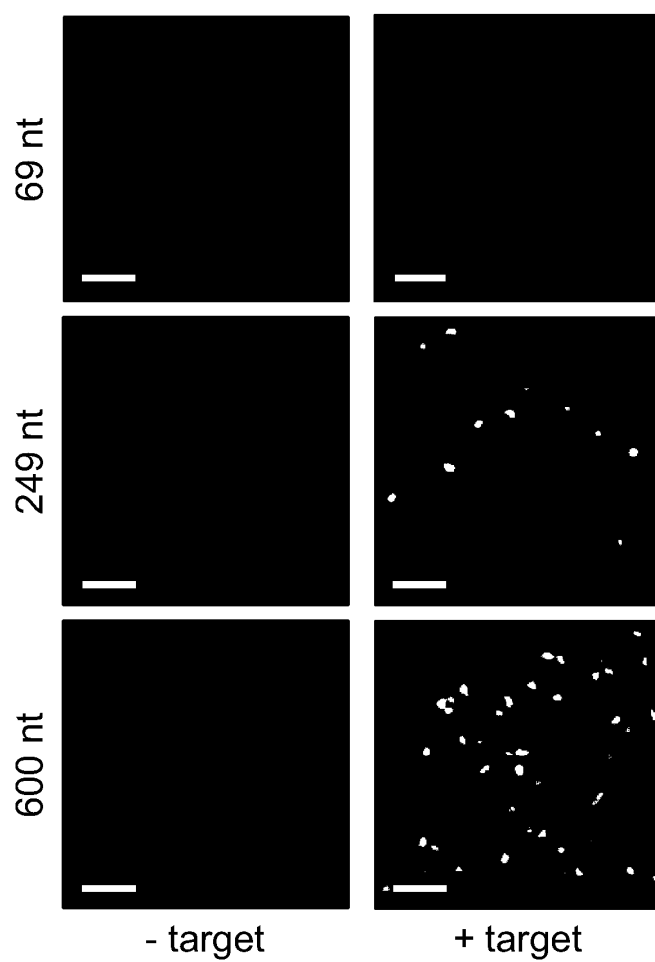
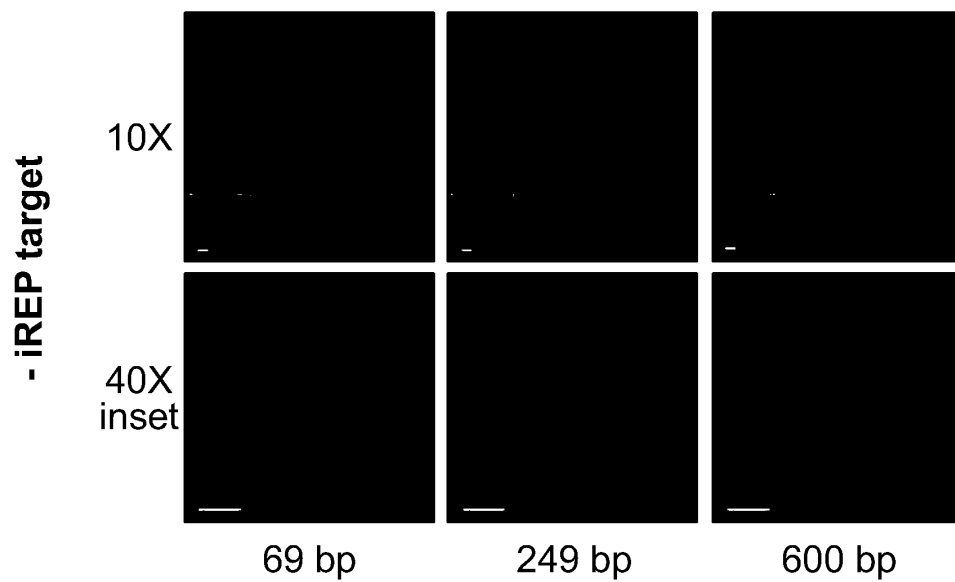
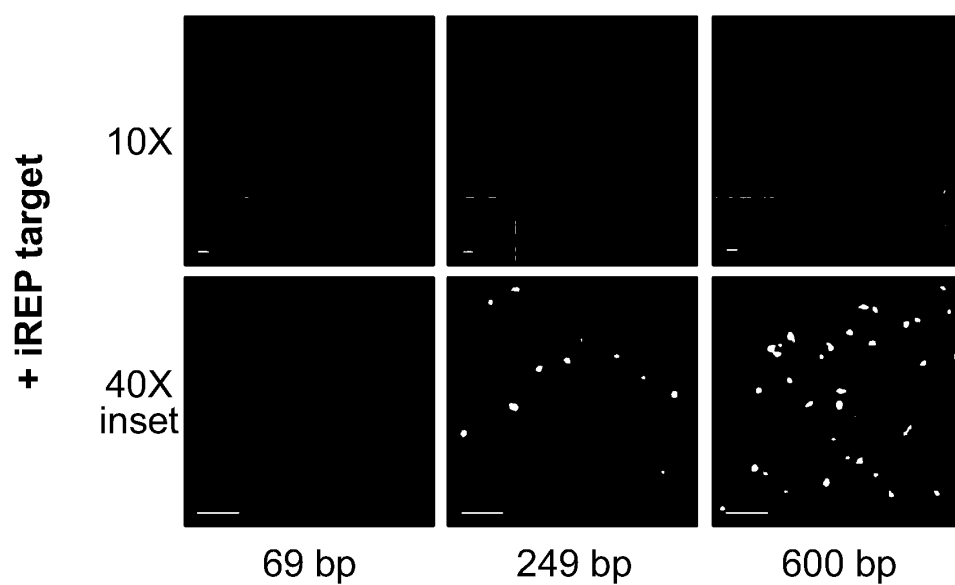


FIG. 18B

**31/111****FIG. 19A****FIG. 19B**

32/111

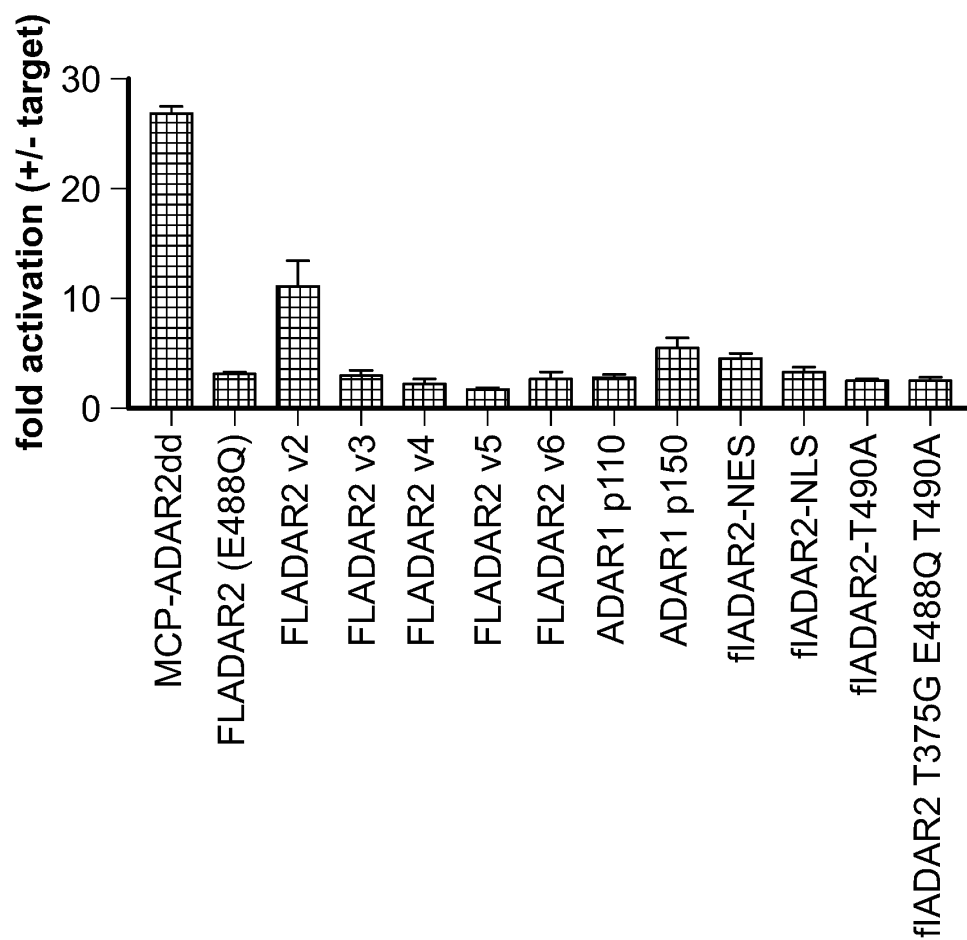
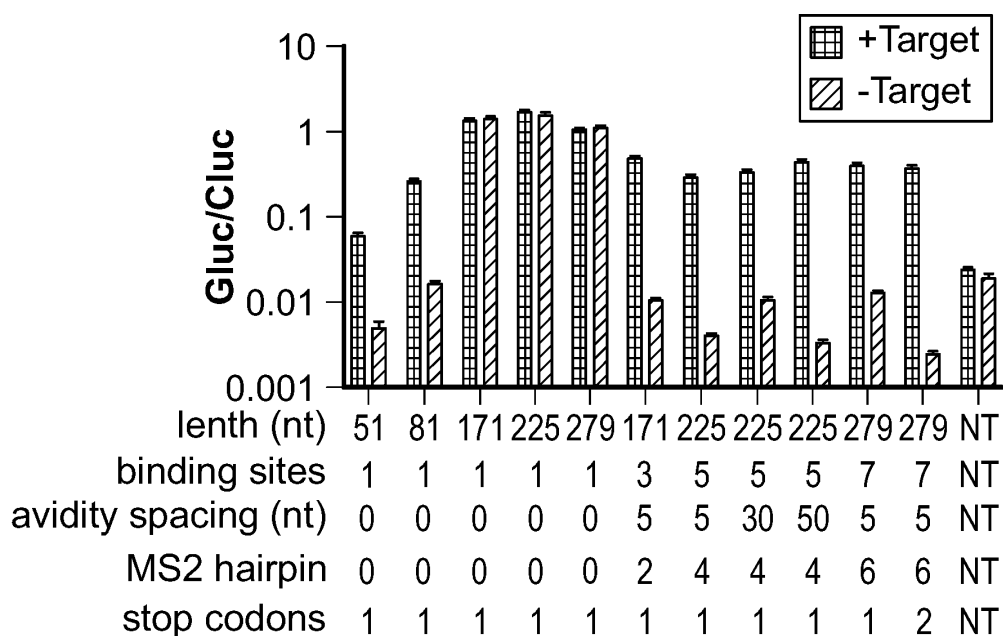
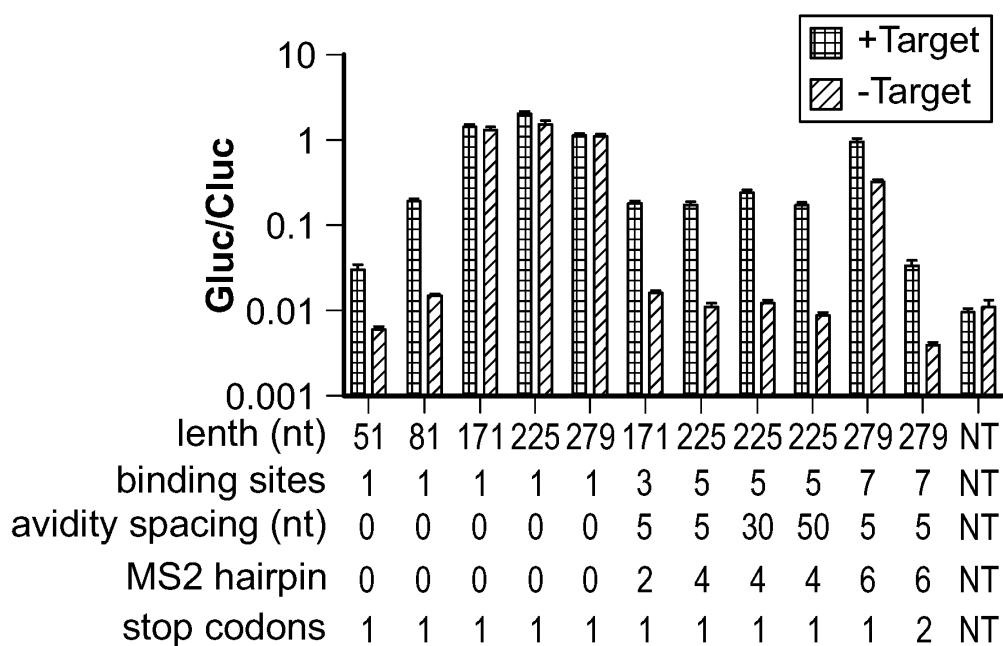
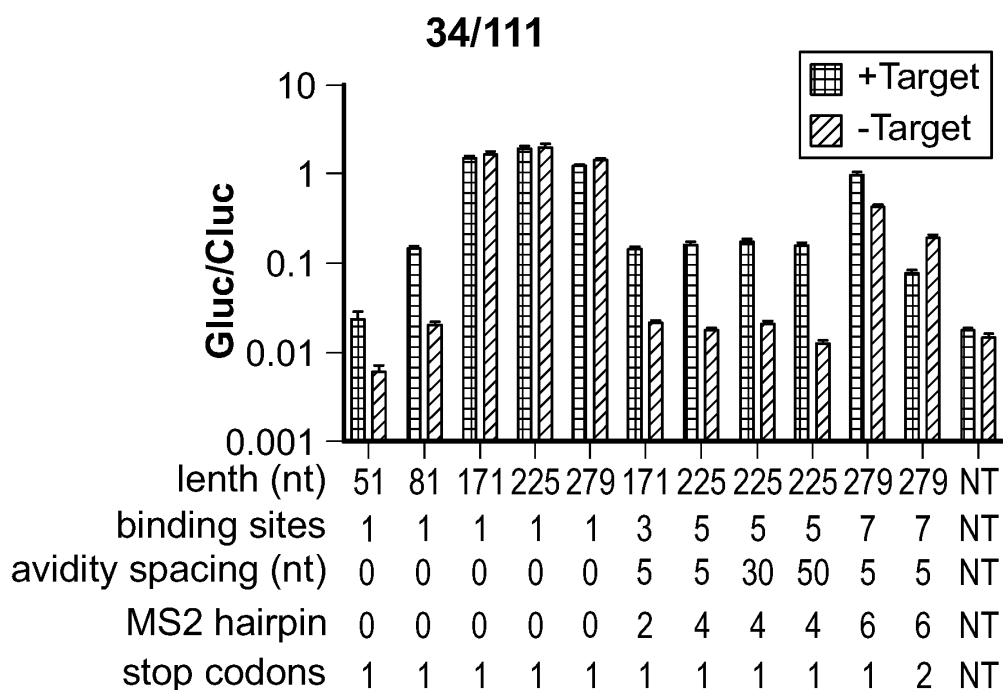
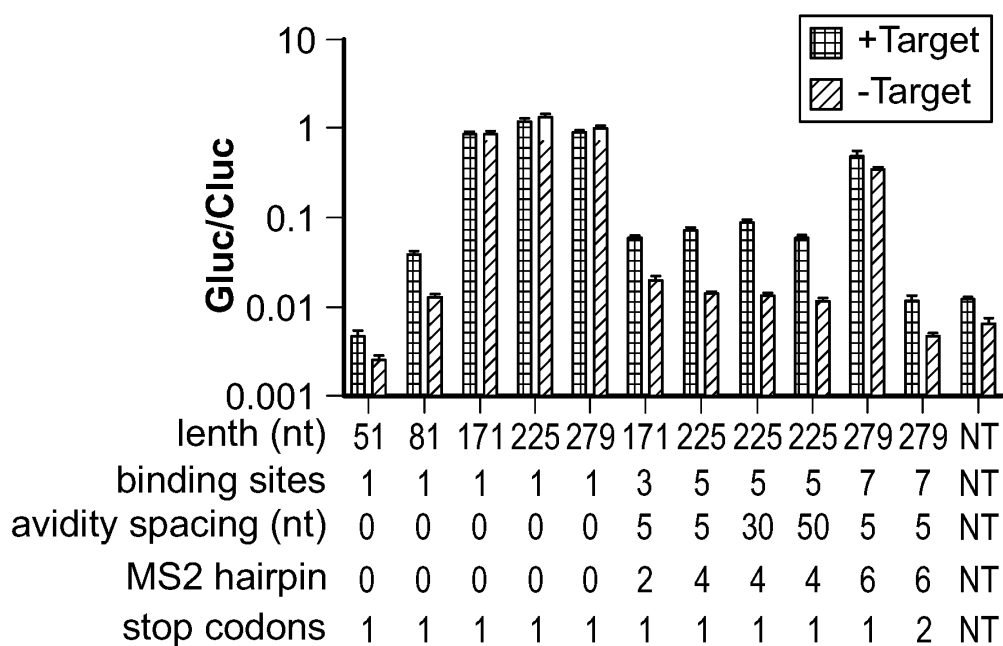


FIG. 20

**33/111****FIG. 21A****FIG. 21B**

**FIG. 21C****FIG. 21D**

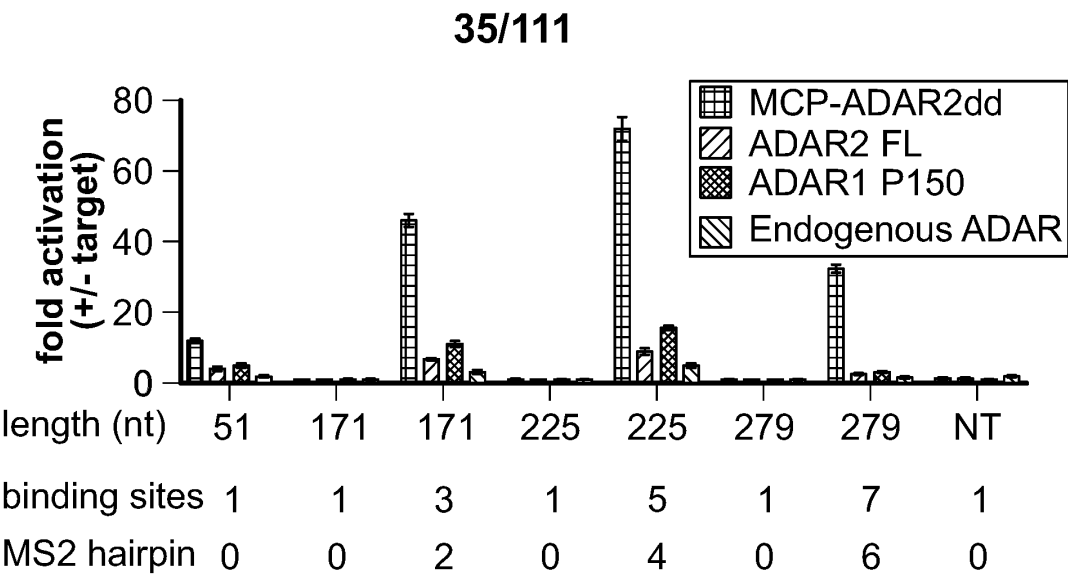


FIG. 22

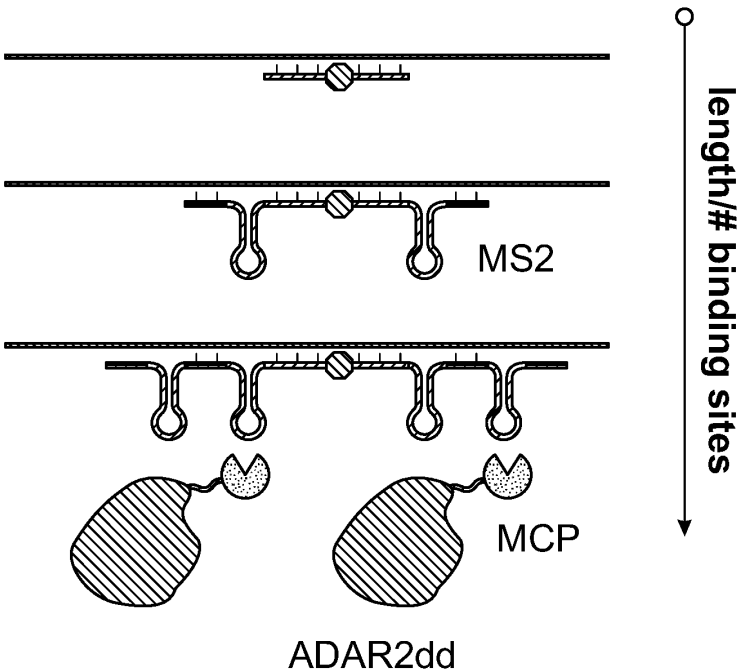


FIG. 23

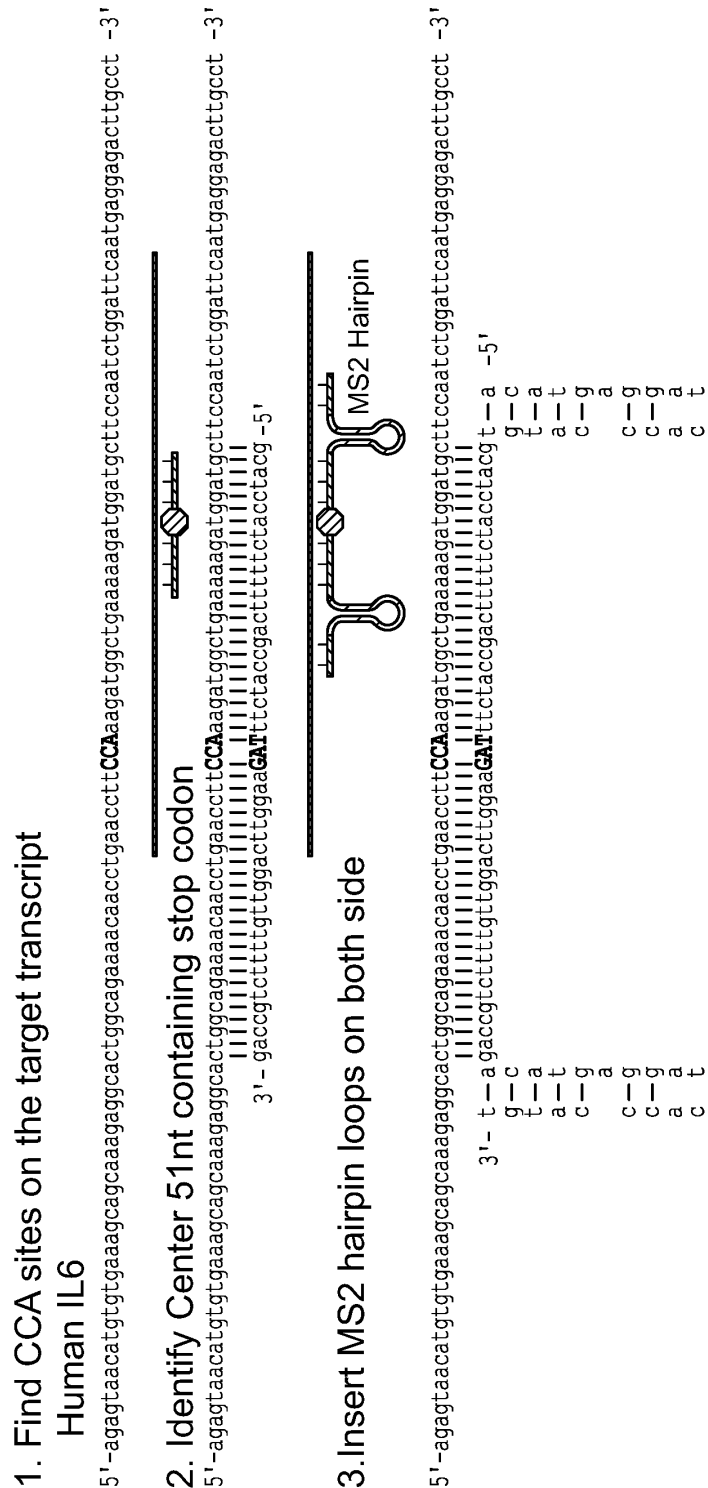
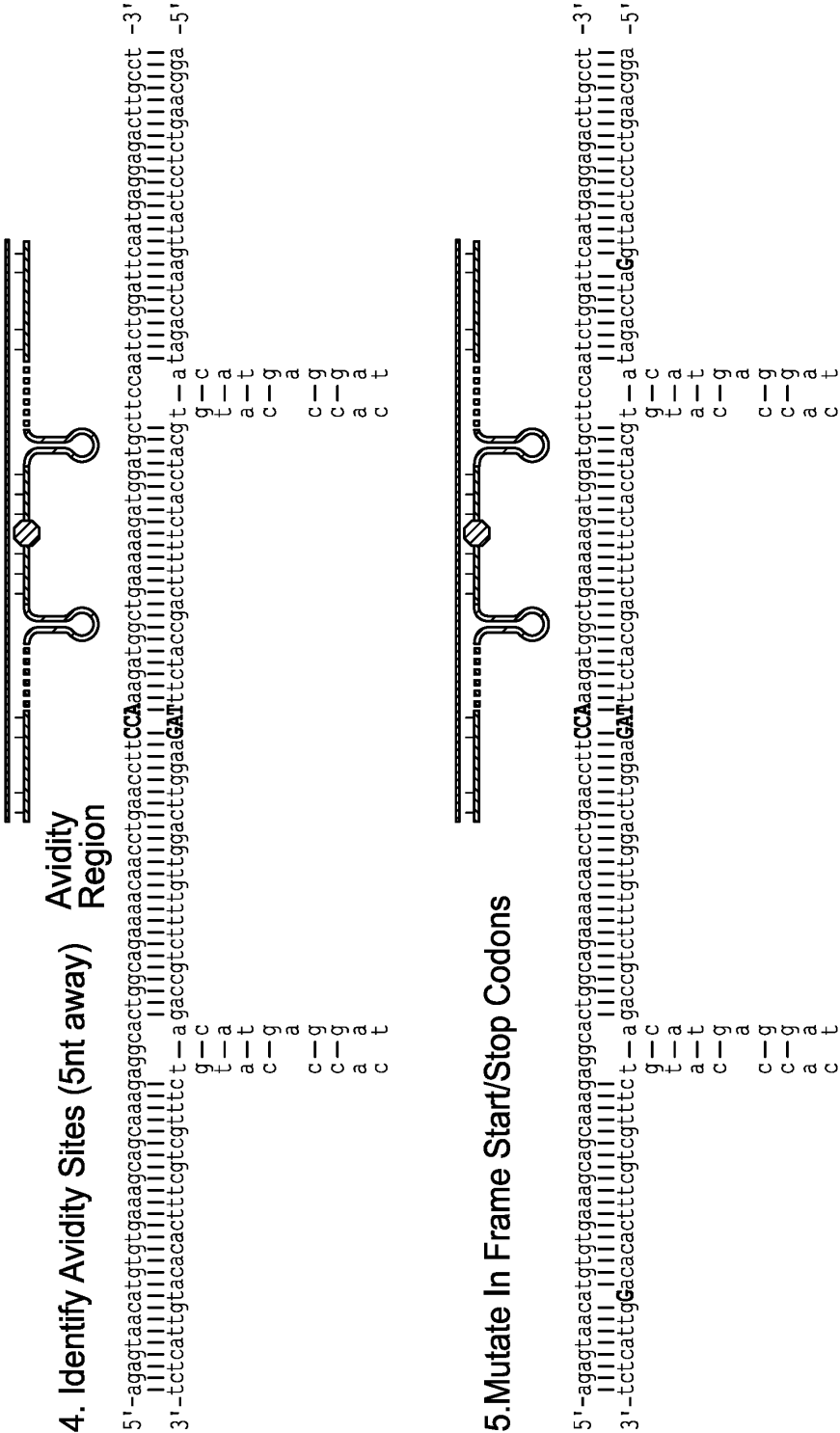
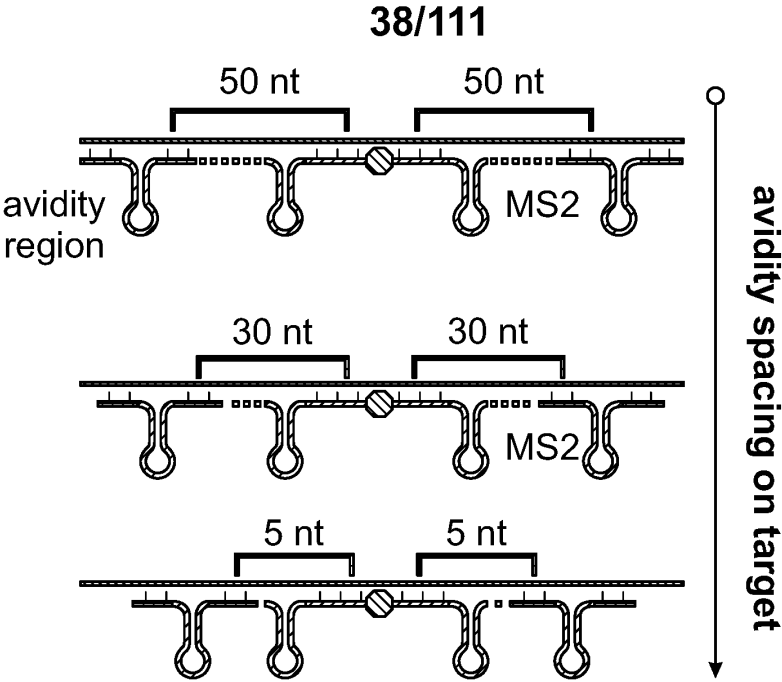
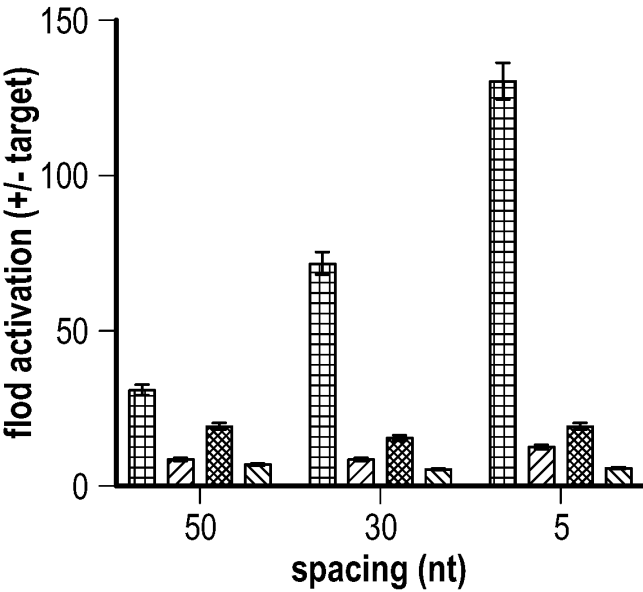


FIG. 24

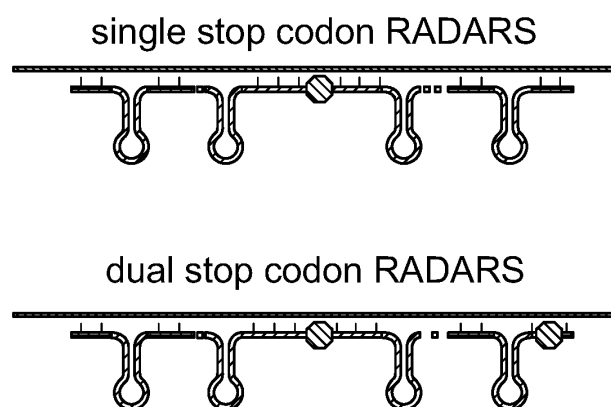
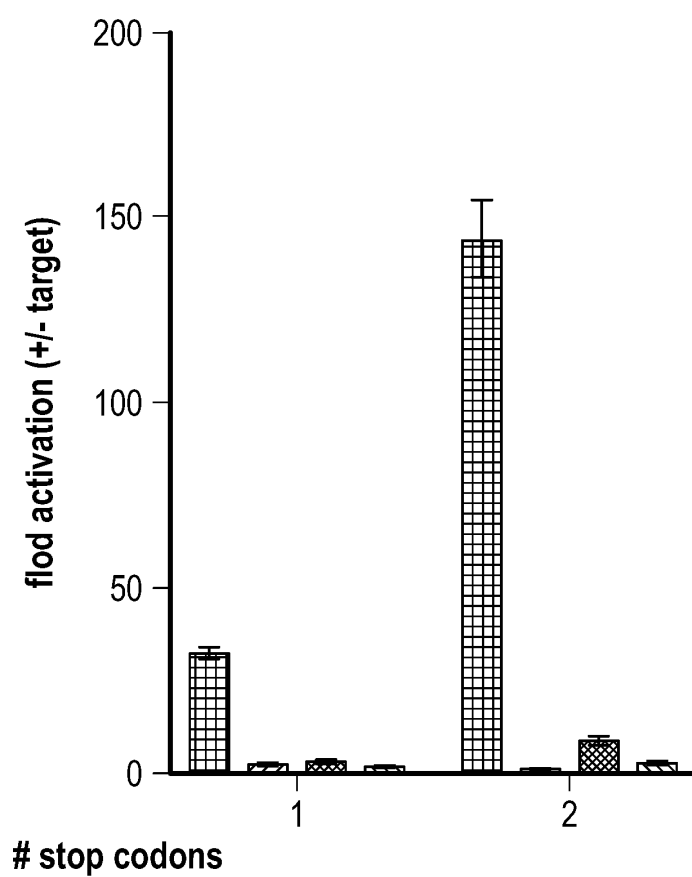




**FIG. 25A**



**FIG. 25B**

**39/111****FIG. 26A****FIG. 26B**

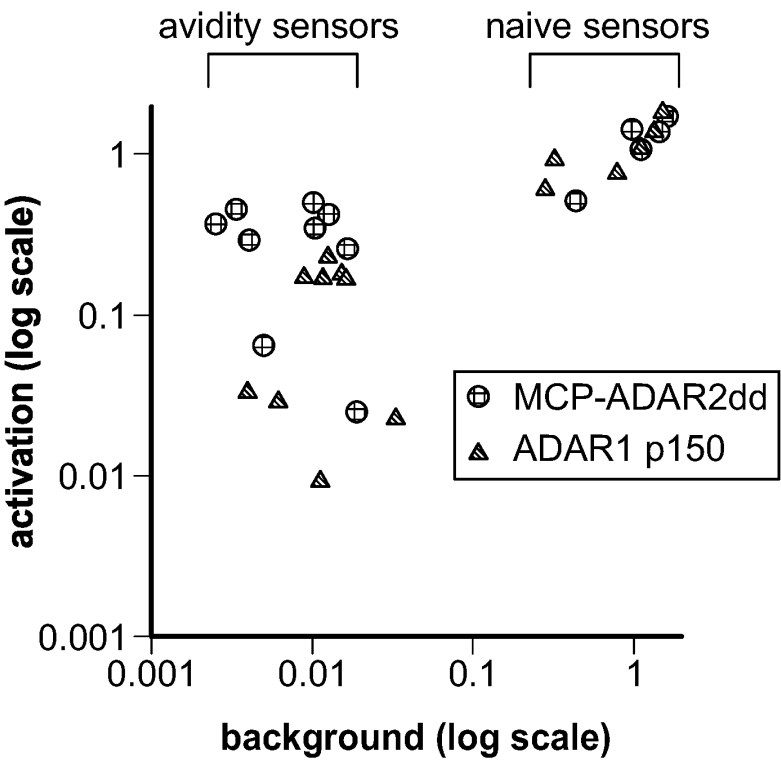


FIG. 27A

41/111

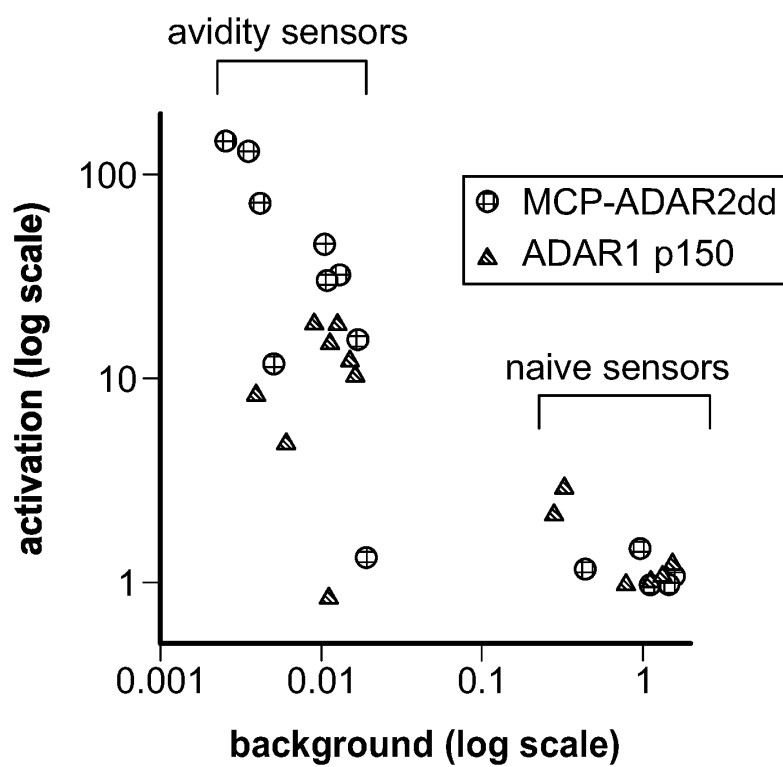
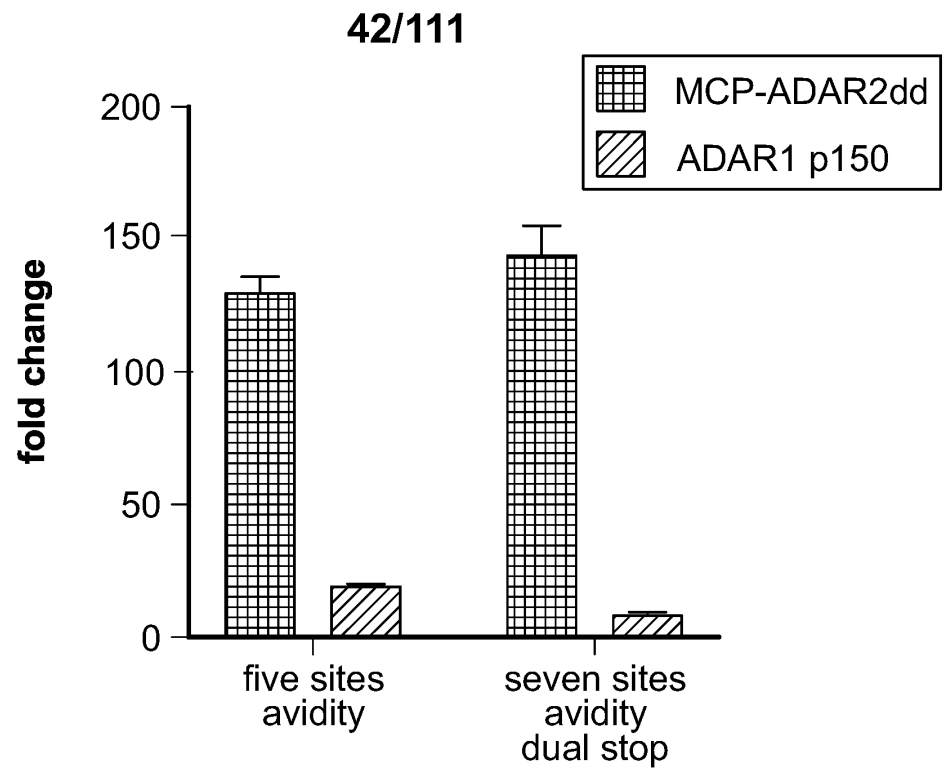
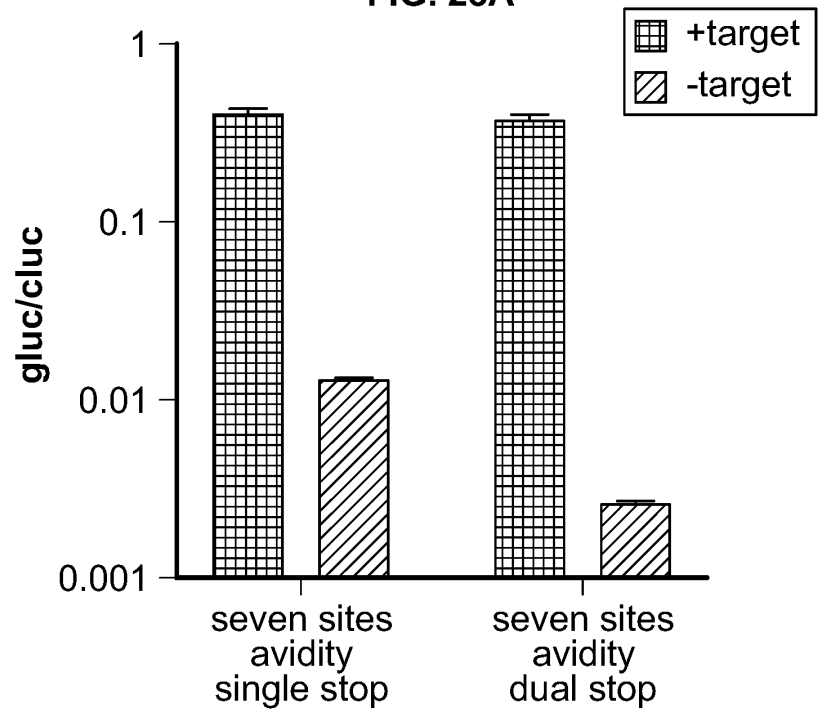


FIG. 27B



**FIG. 28A**



**FIG. 28B**

43/111

Mismatch Tolerance

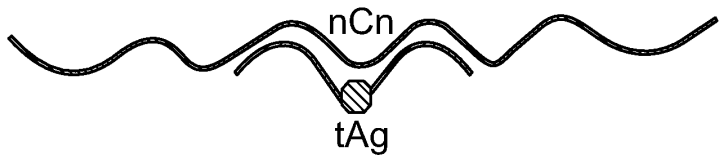


FIG. 29A

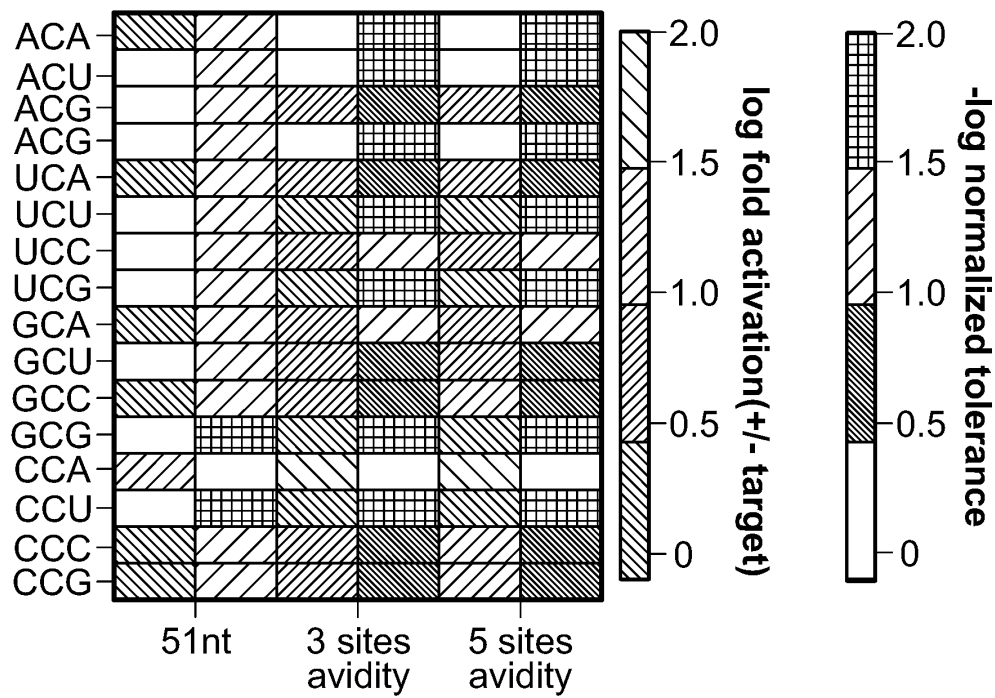


FIG. 29B

44/111

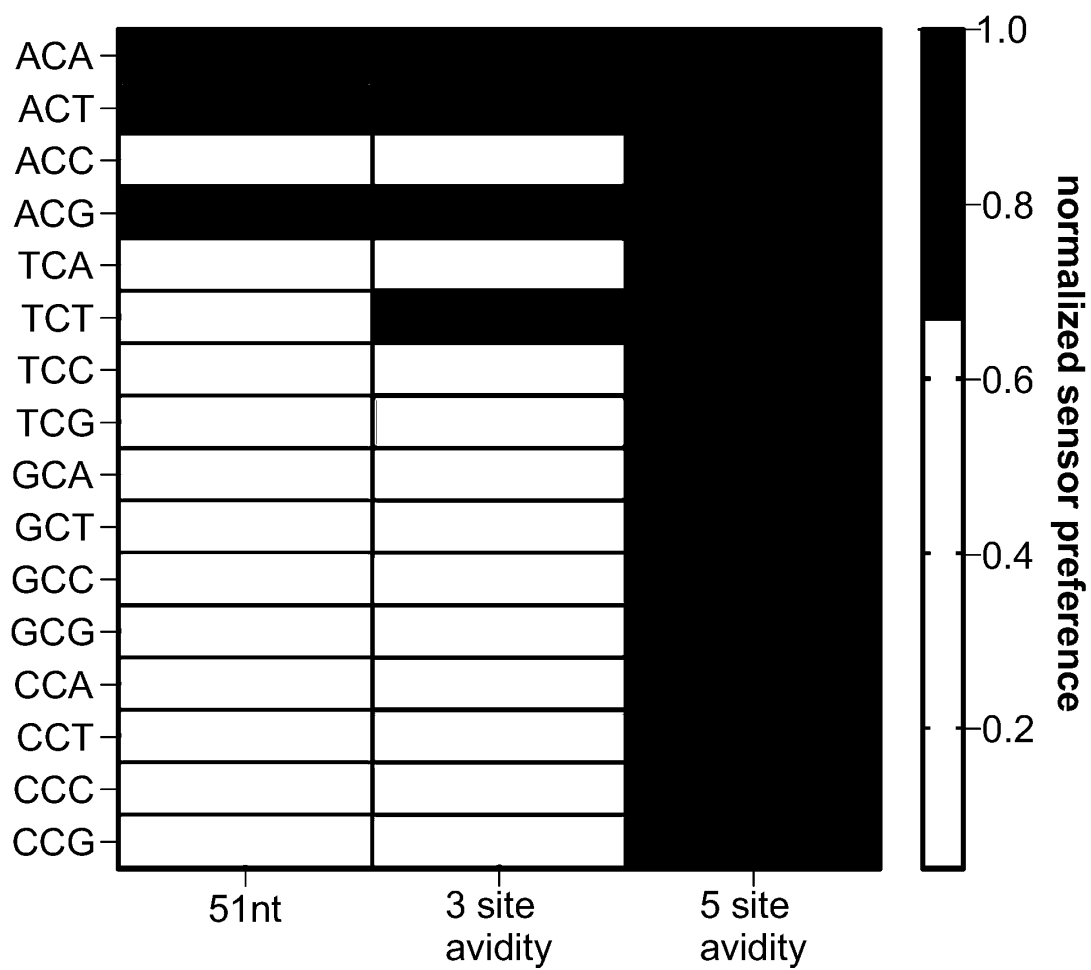


FIG. 30

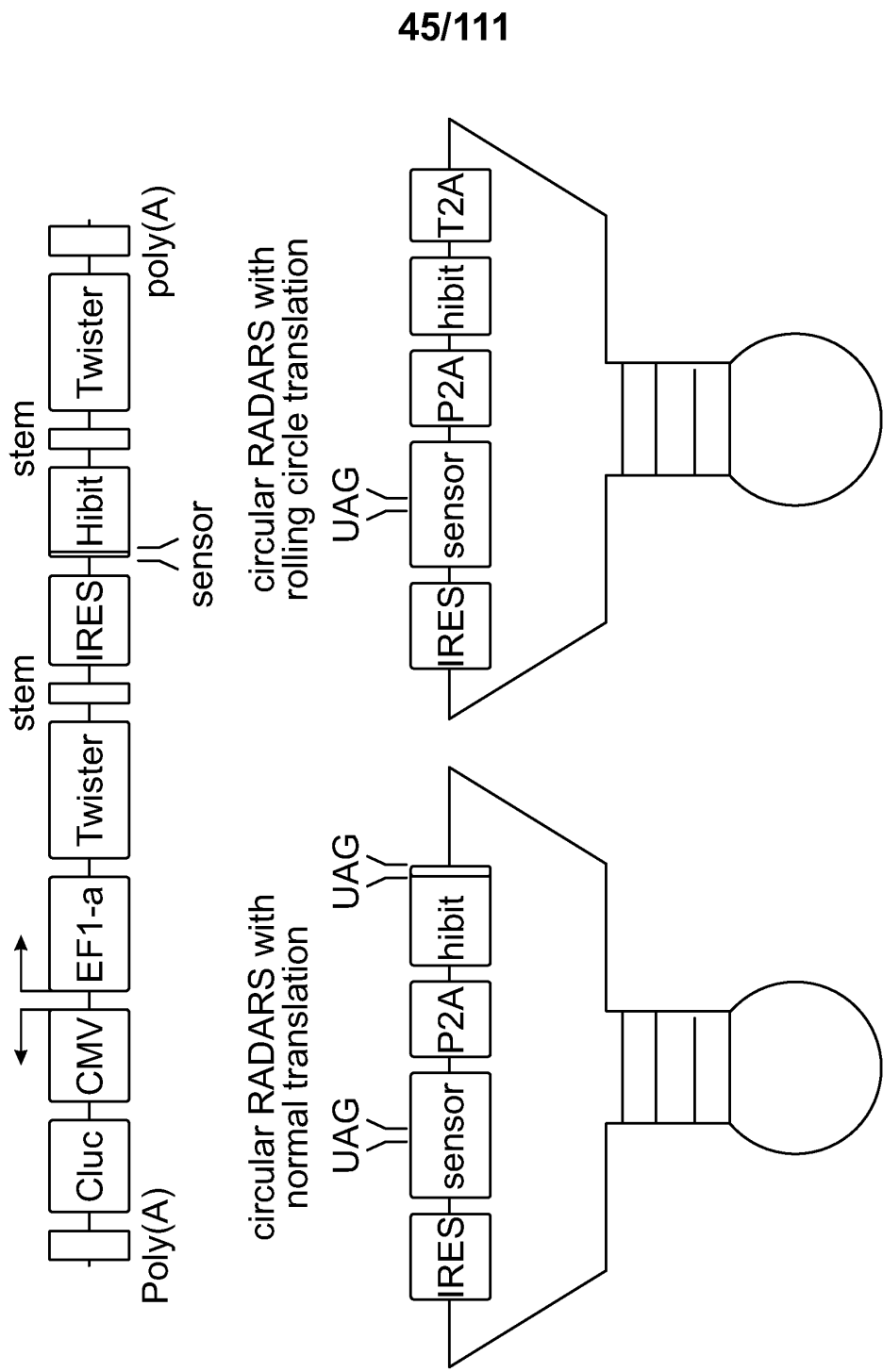
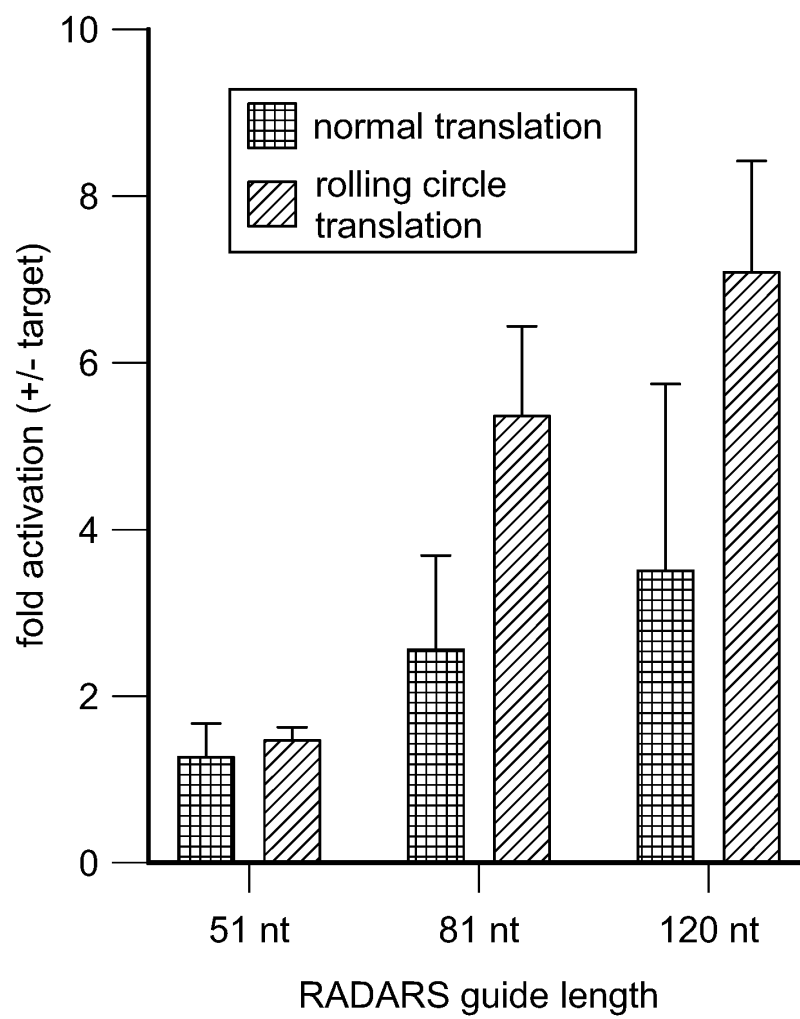


FIG. 31A

**46/111****FIG. 31B**

47/111

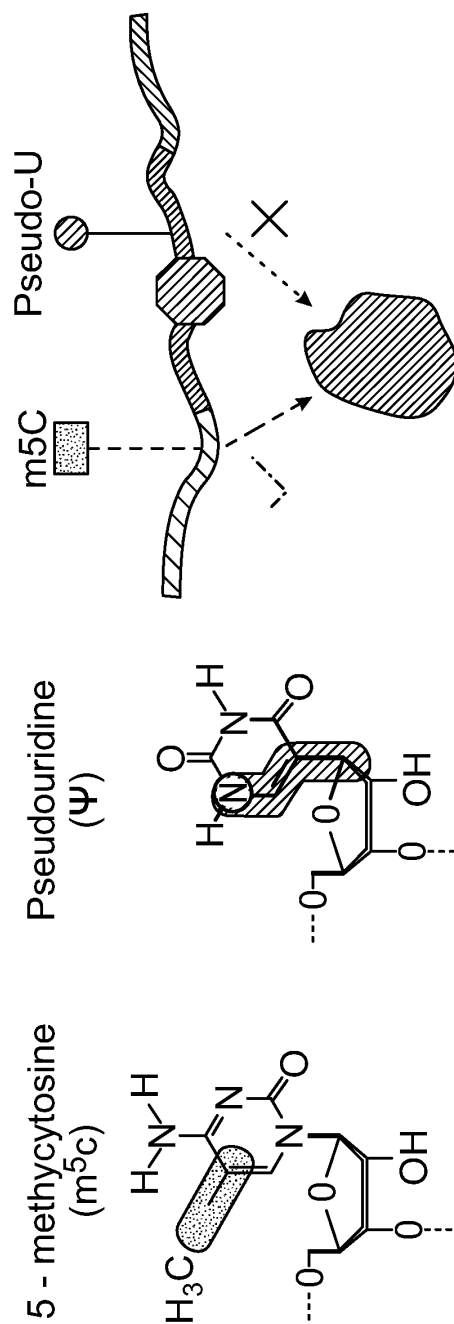


FIG. 32A

48/111

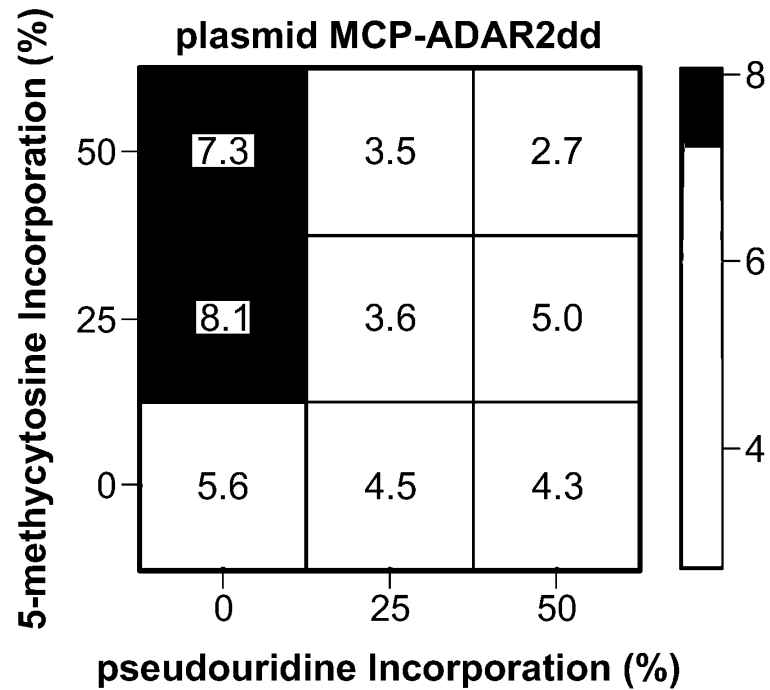


FIG. 32B

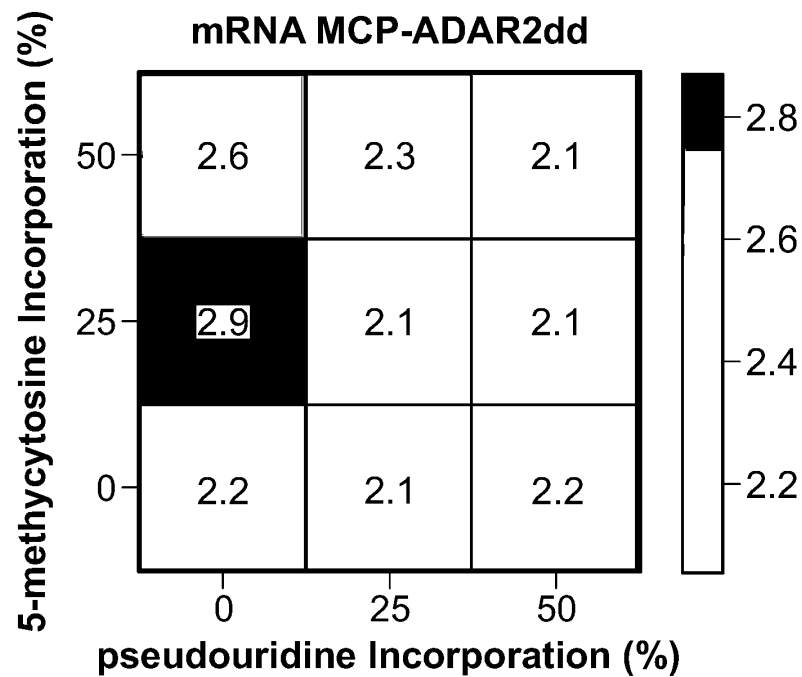
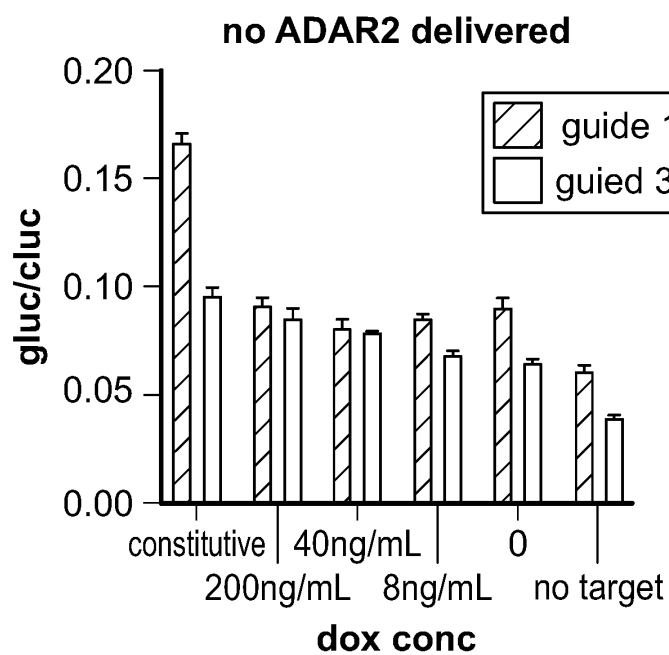
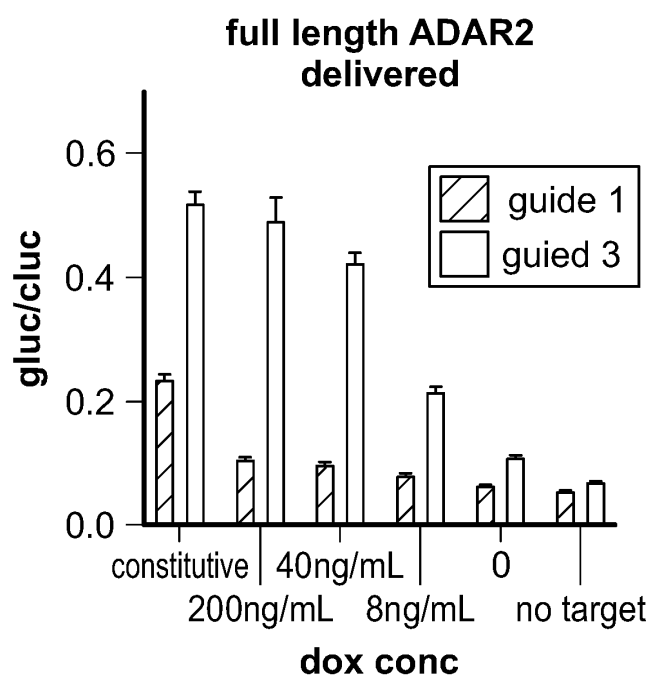
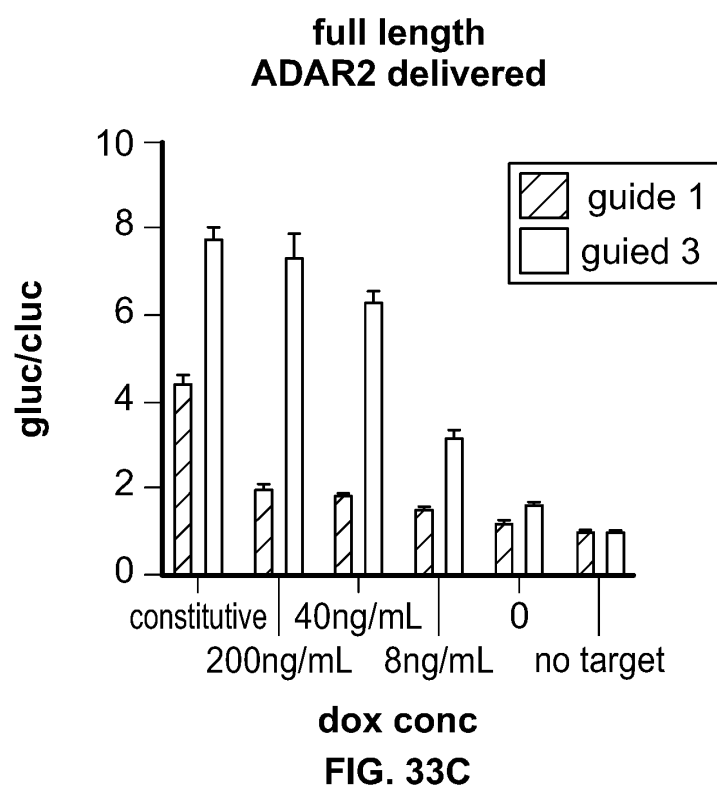


FIG. 32C

**49/111****FIG. 33A****FIG. 33B**

**50/111**

51/111

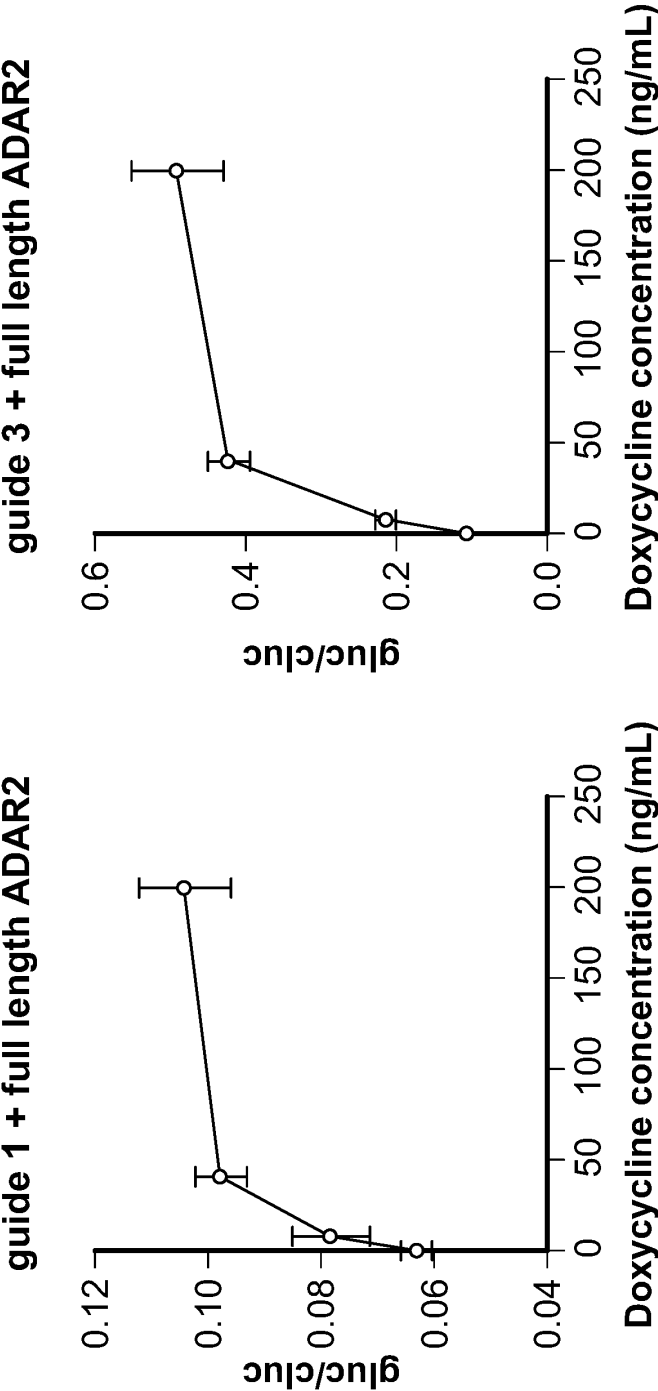


FIG. 34B

FIG. 34A

52/111

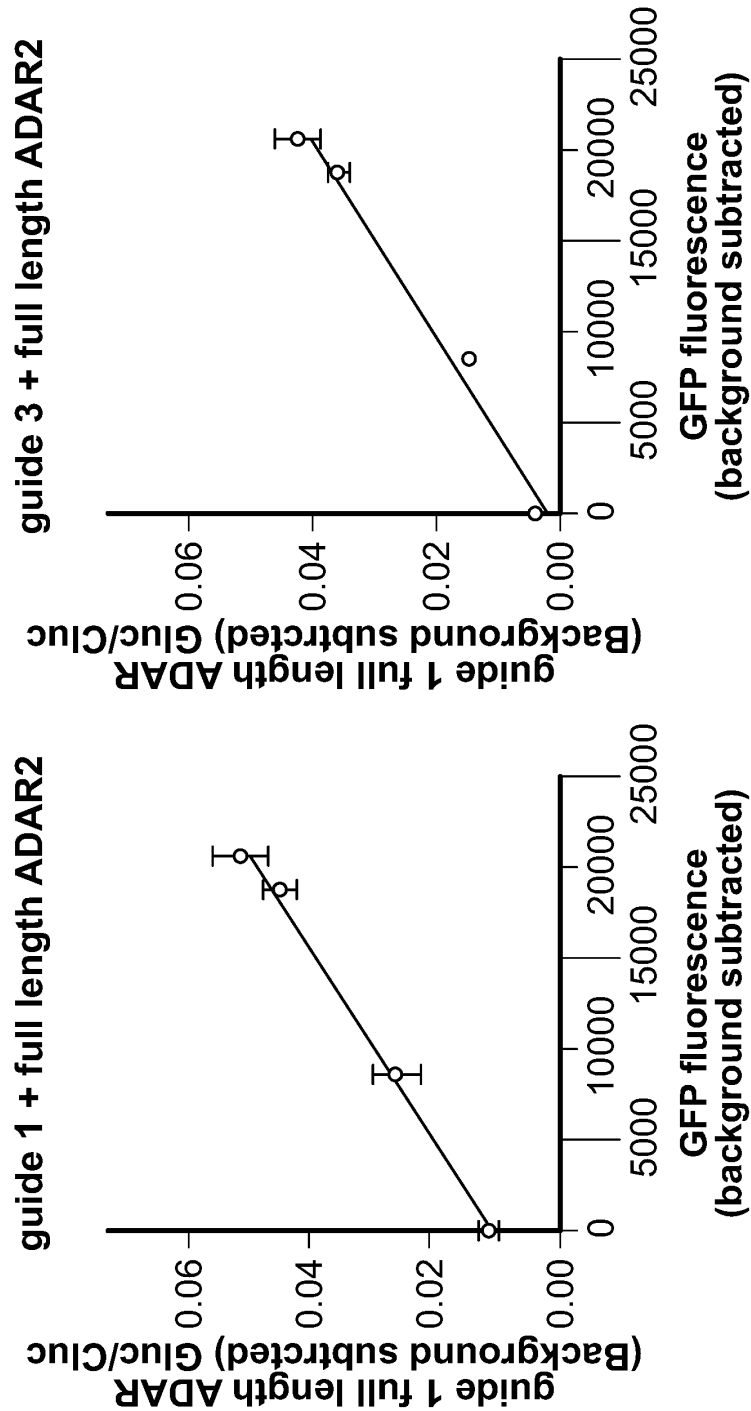


FIG. 35B

FIG. 35A

53/111

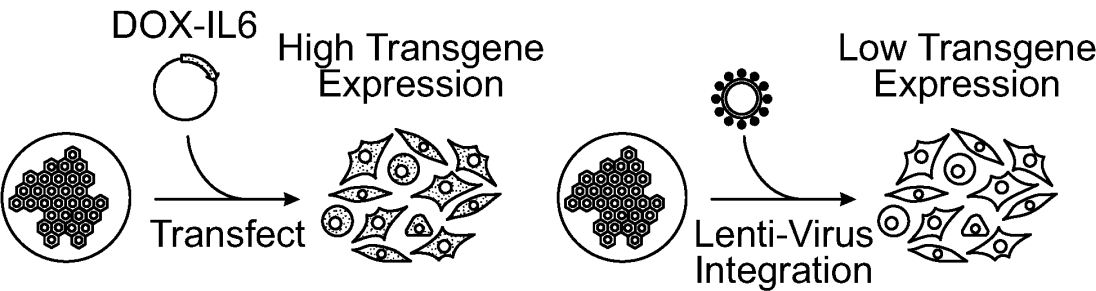


FIG. 36A

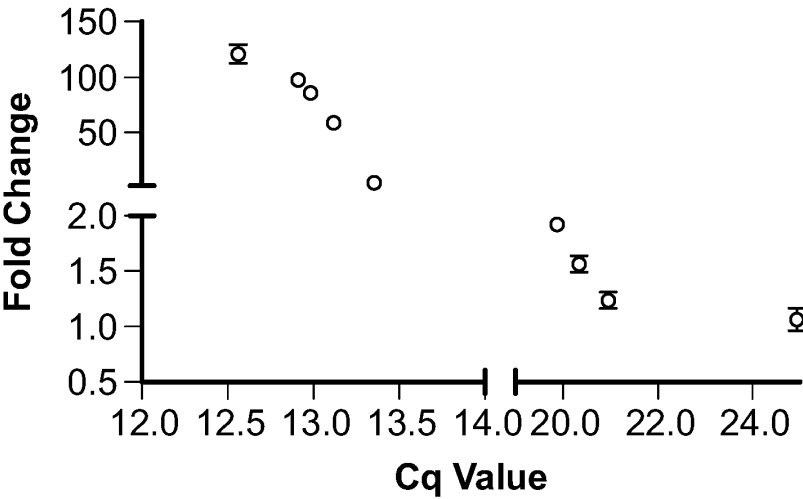


FIG. 36B

54/111

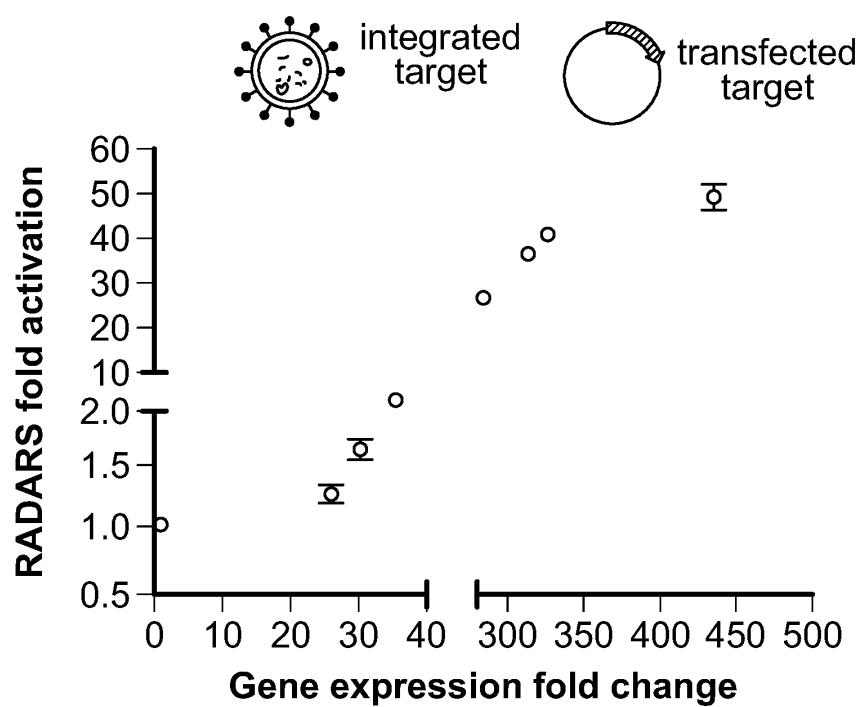


FIG. 37

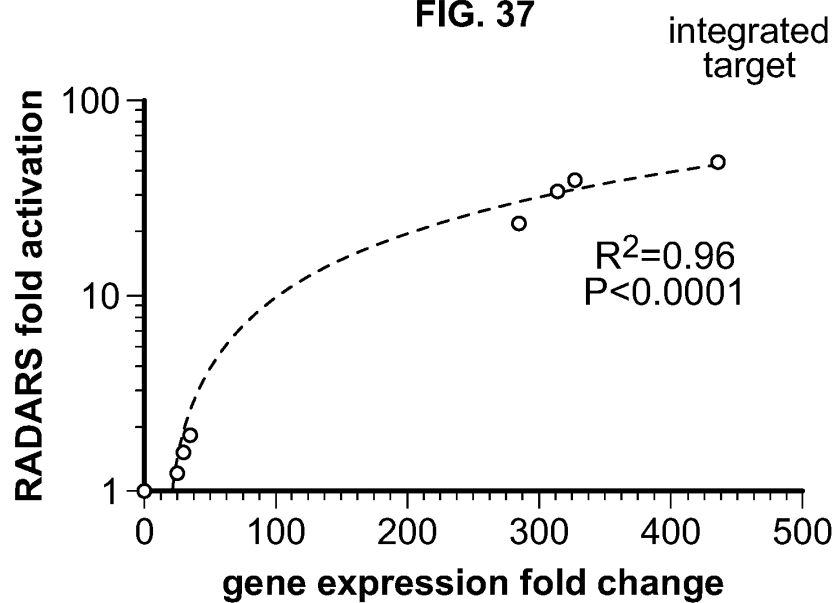
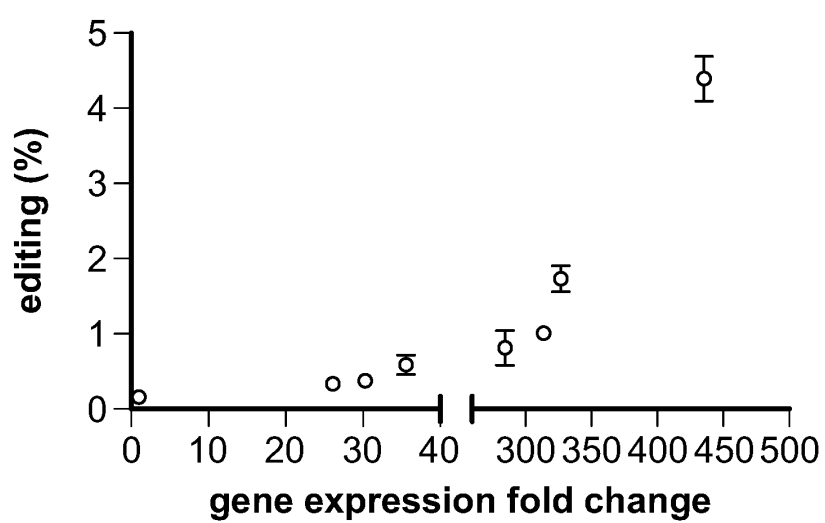


FIG. 38

**55/111****FIG. 39**

56/111

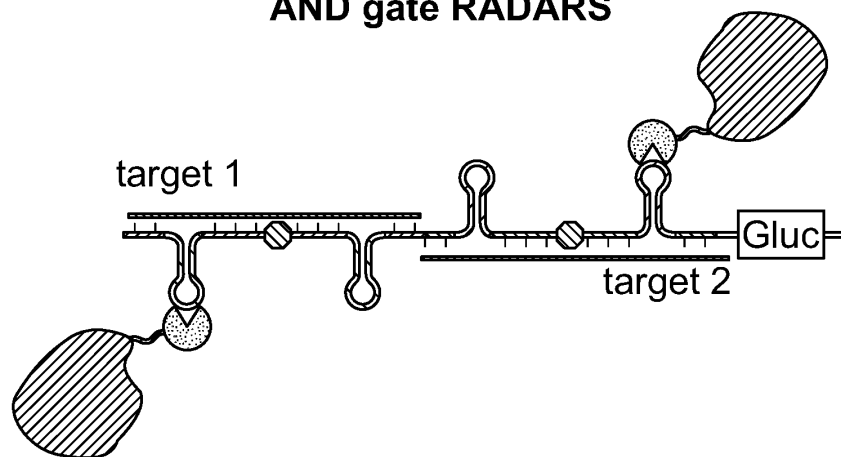
**AND gate RADARS**

FIG. 40A

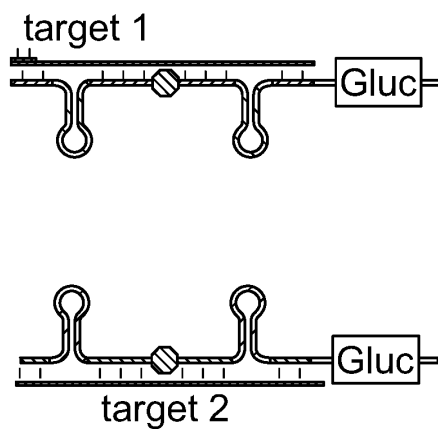
**OR gate RADARS**

FIG. 40B

57/111

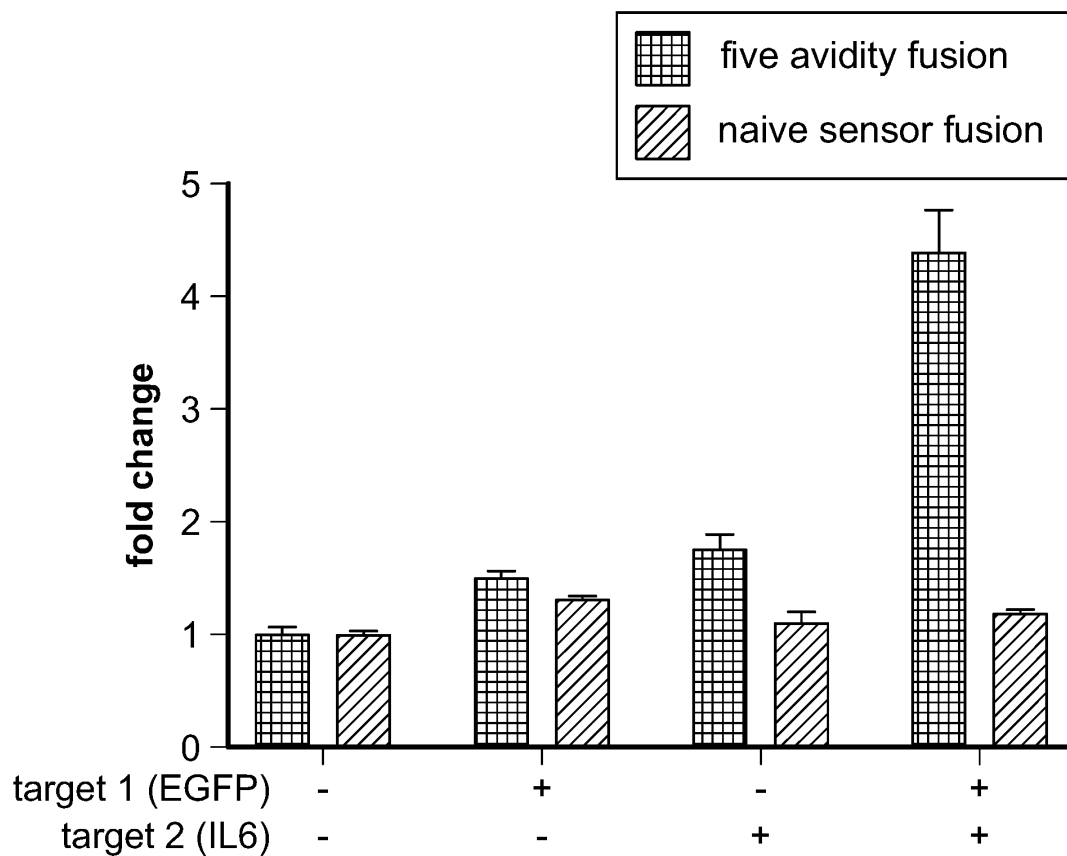


FIG. 40C

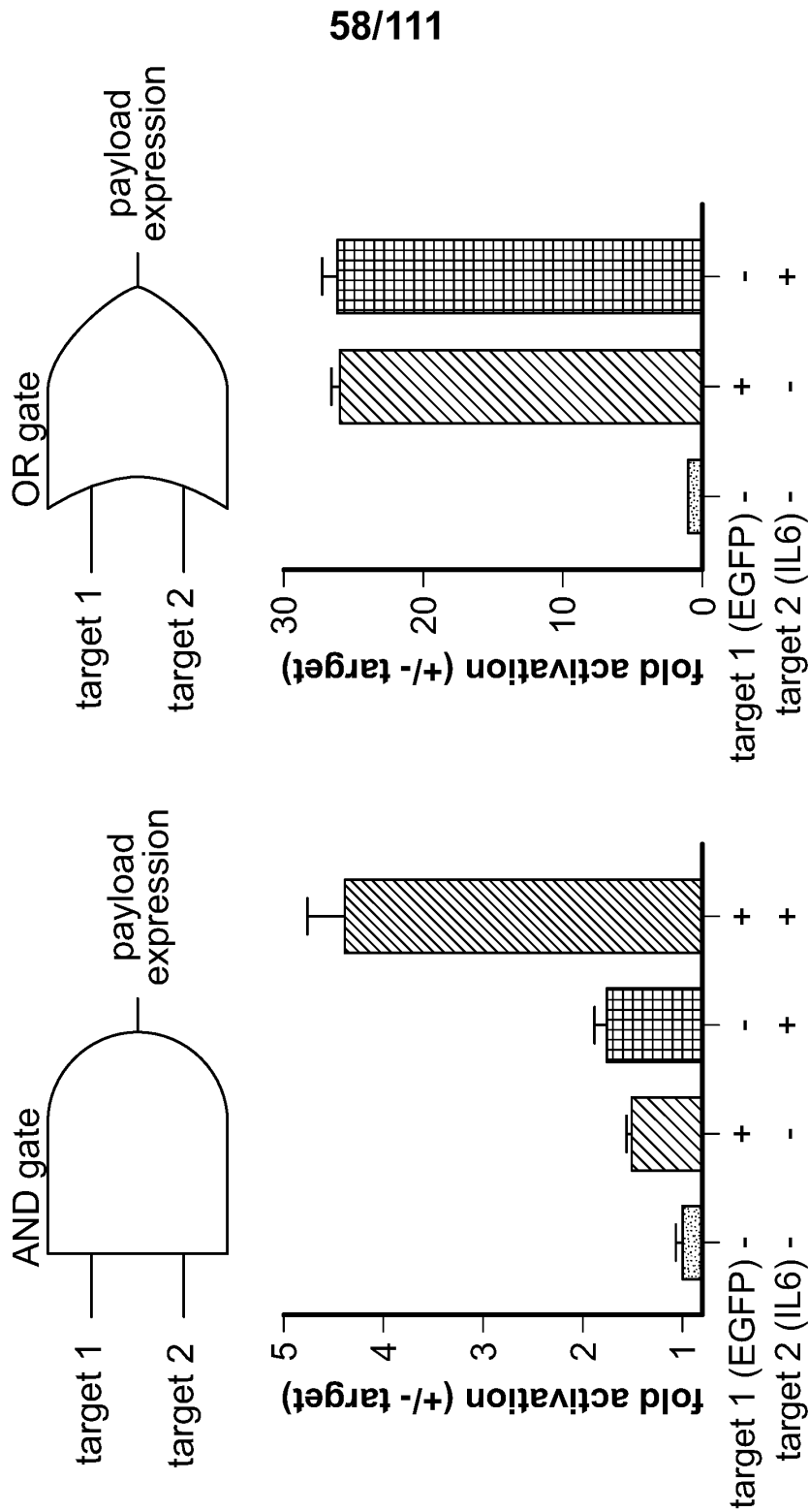


FIG. 41A

FIG. 41B

59/111

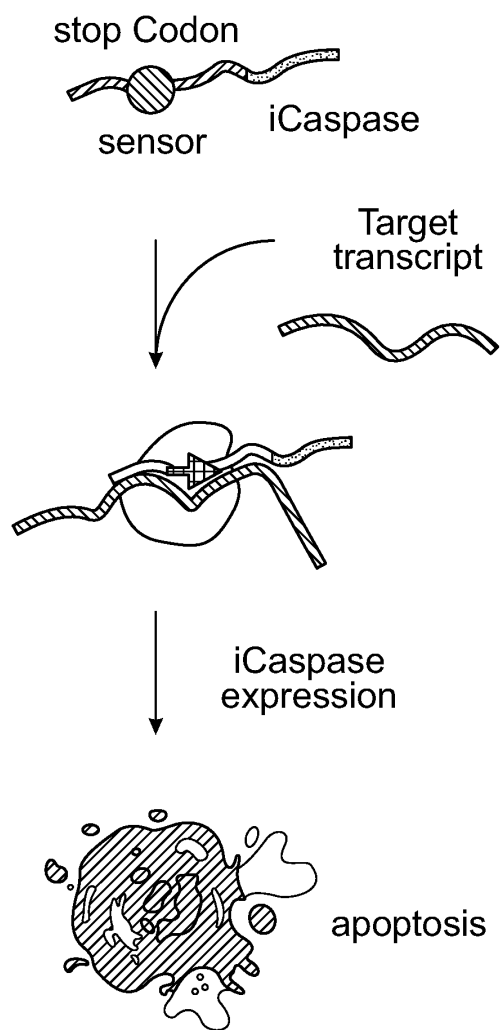
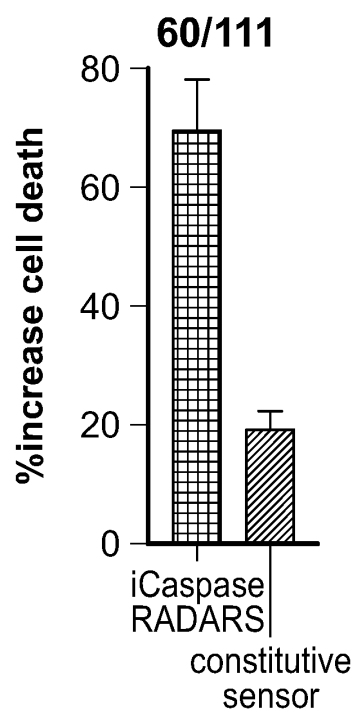
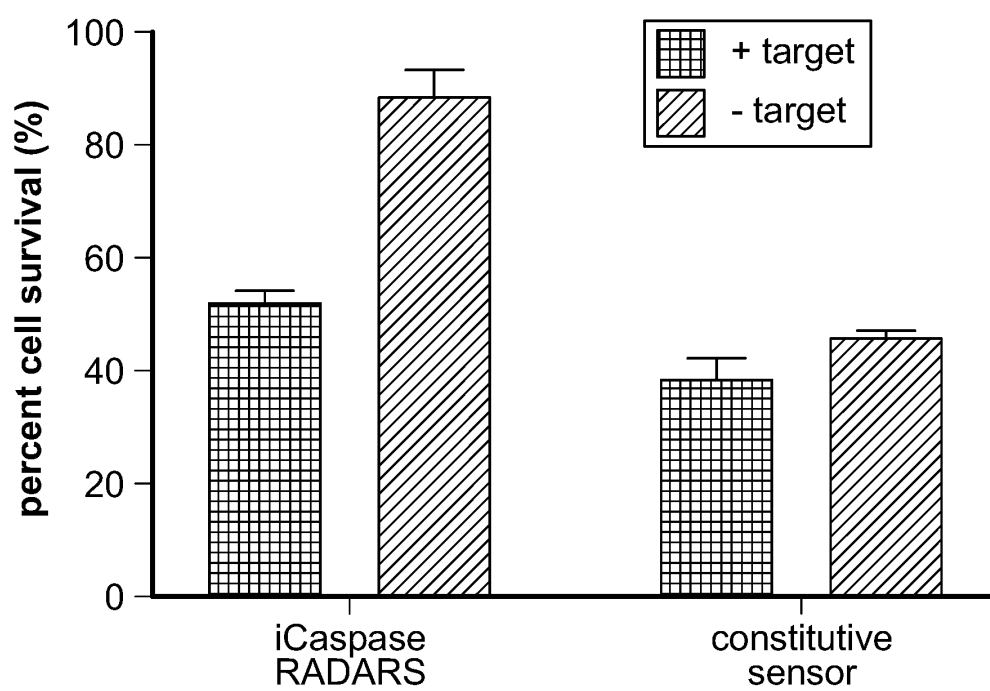
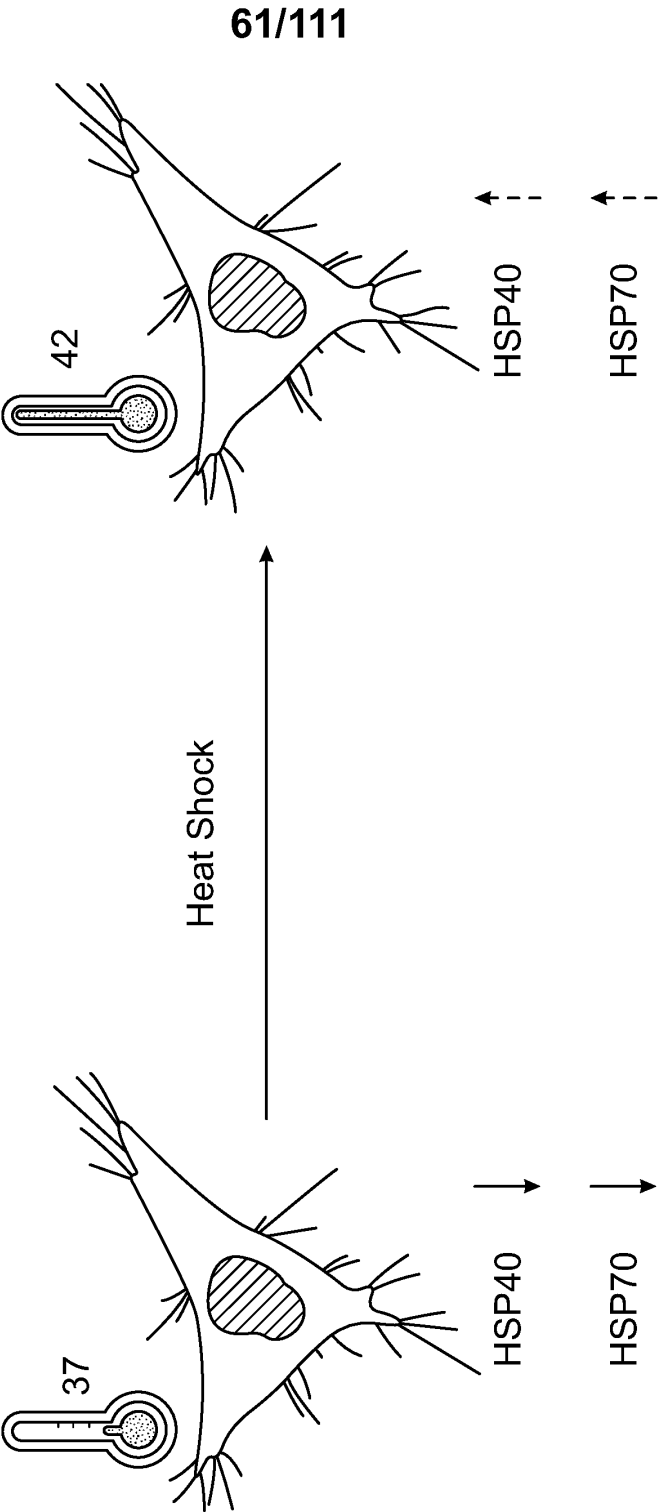


FIG. 42A

**FIG. 42B****FIG. 42C**



**FIG. 43A**

62/111

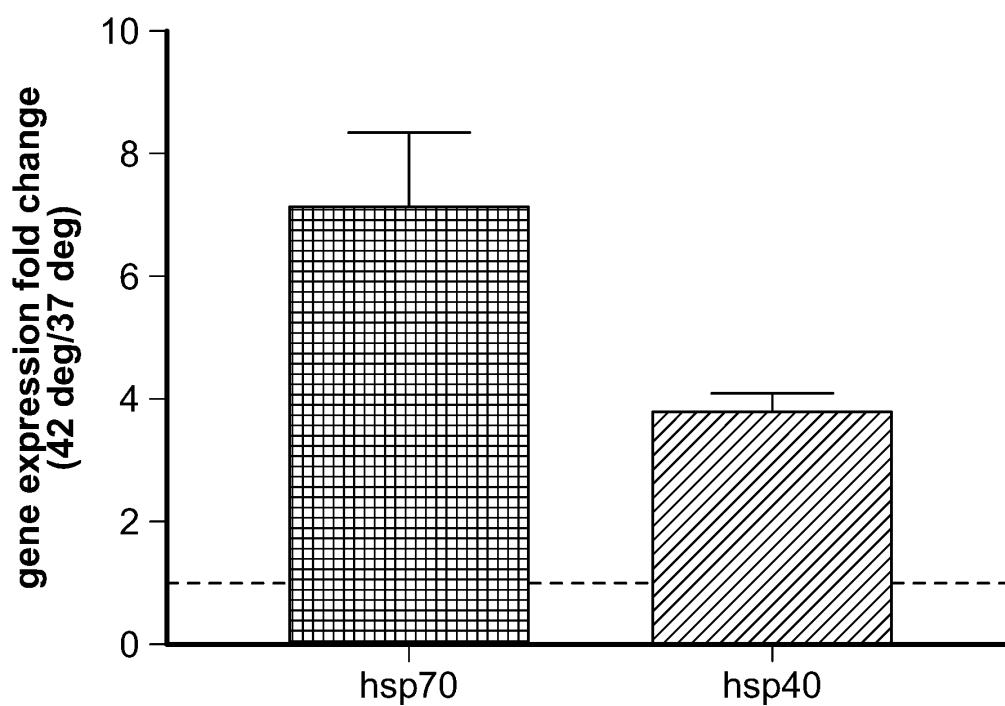


FIG. 43B

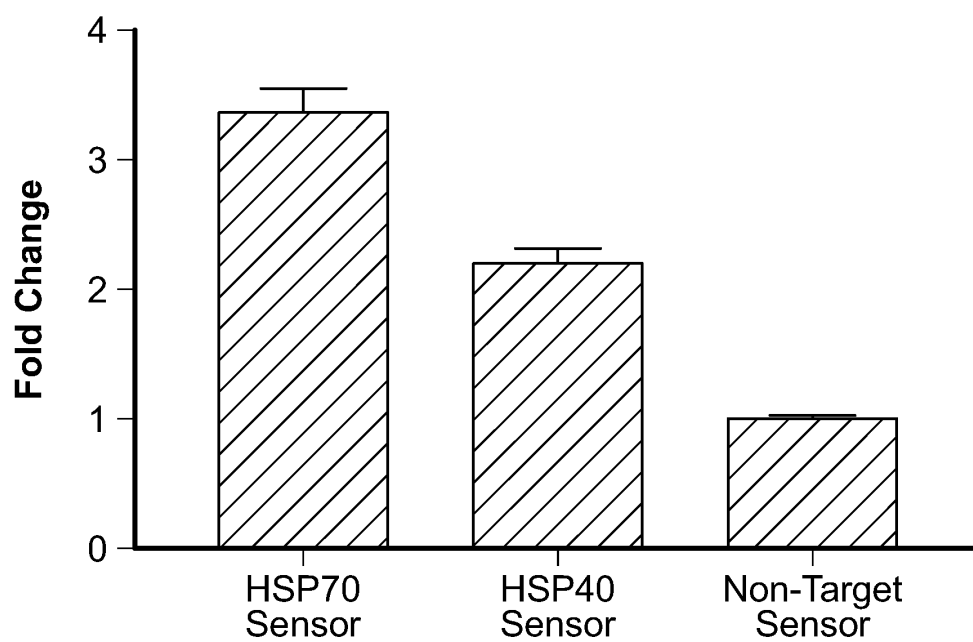
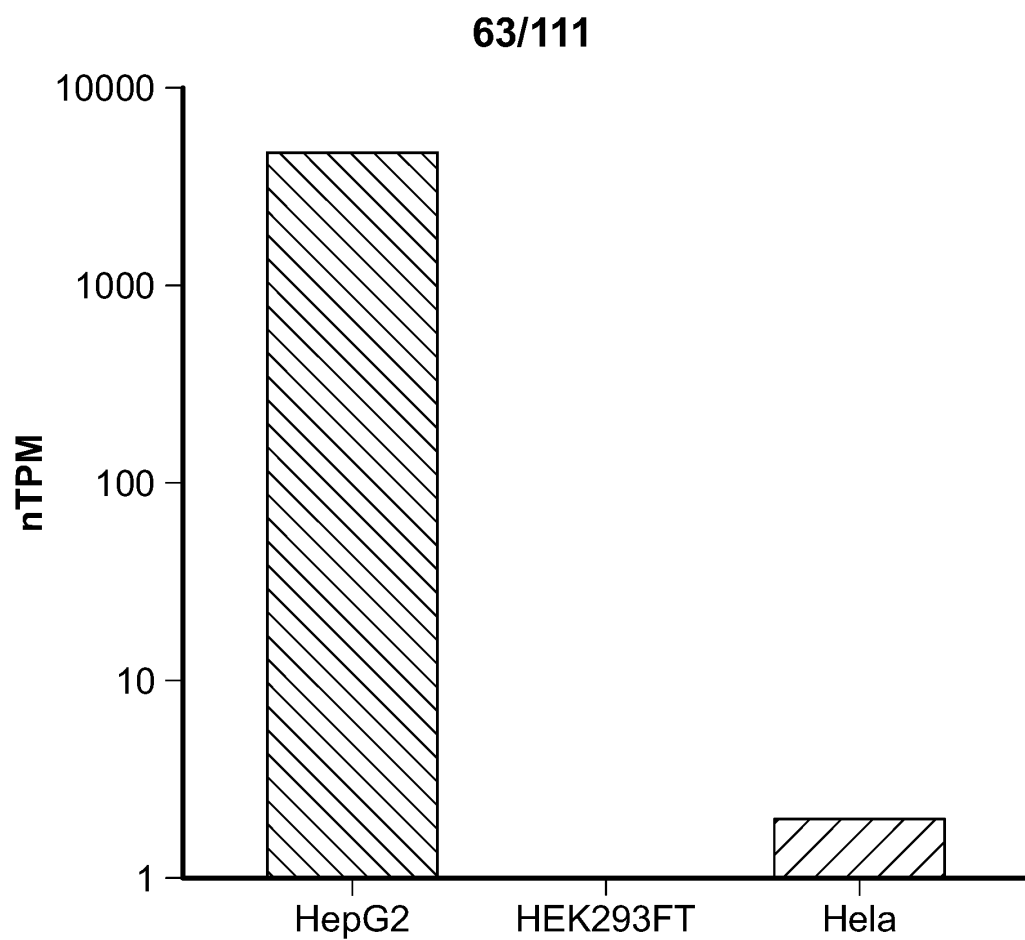
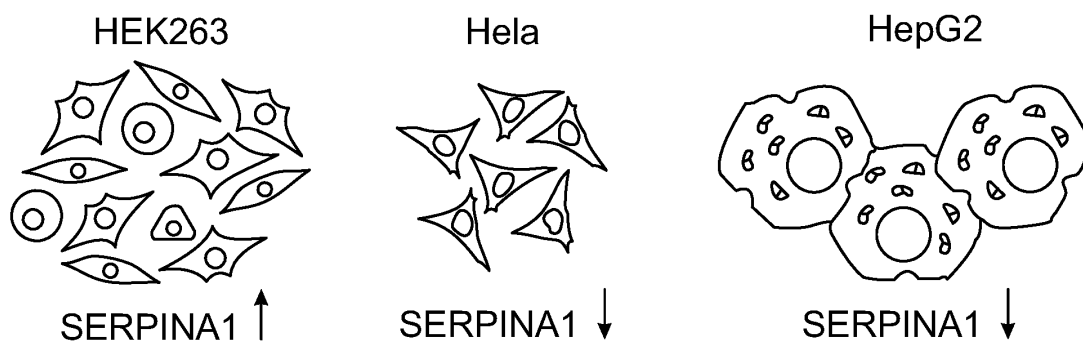
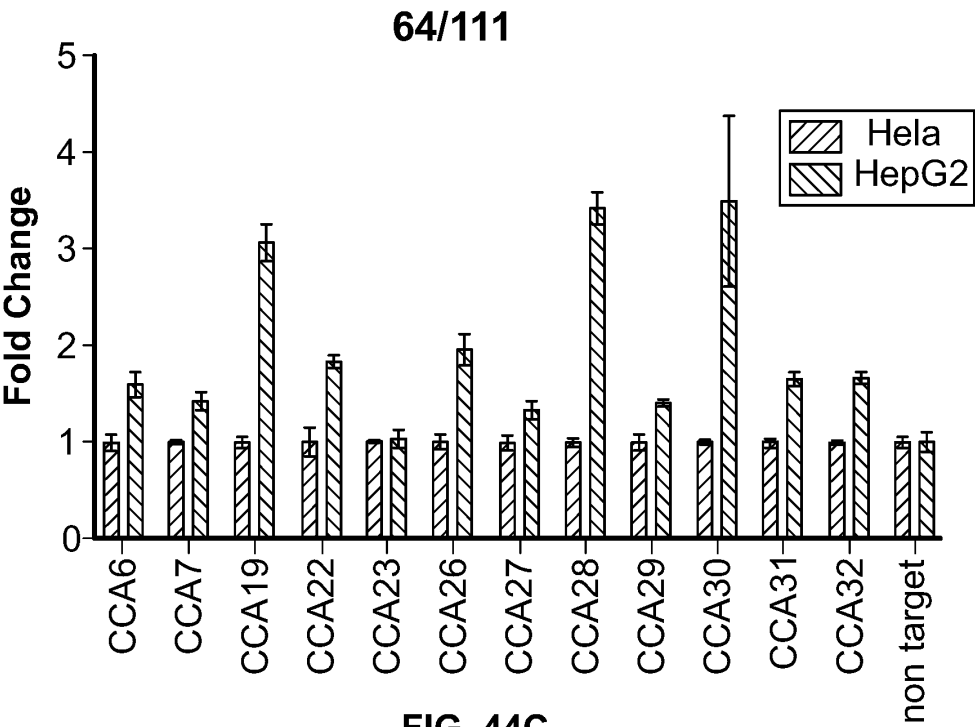
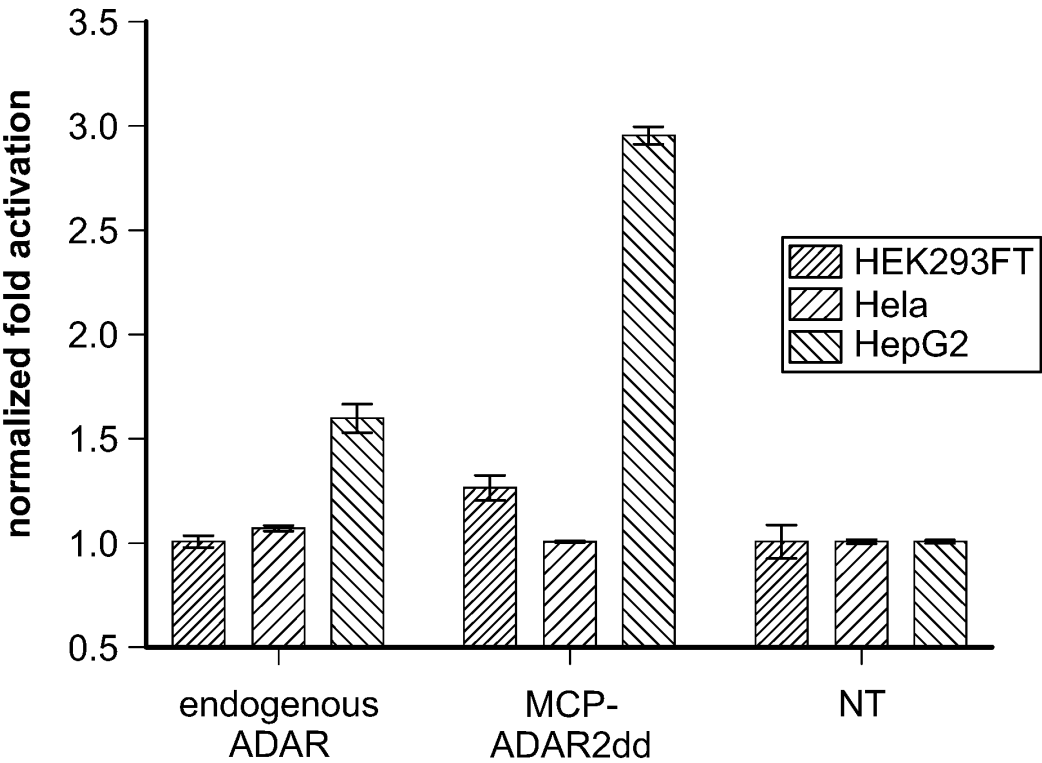


FIG. 43C

**FIG. 44A****FIG. 44B**



**FIG. 44C**



**FIG. 44D**

65/111

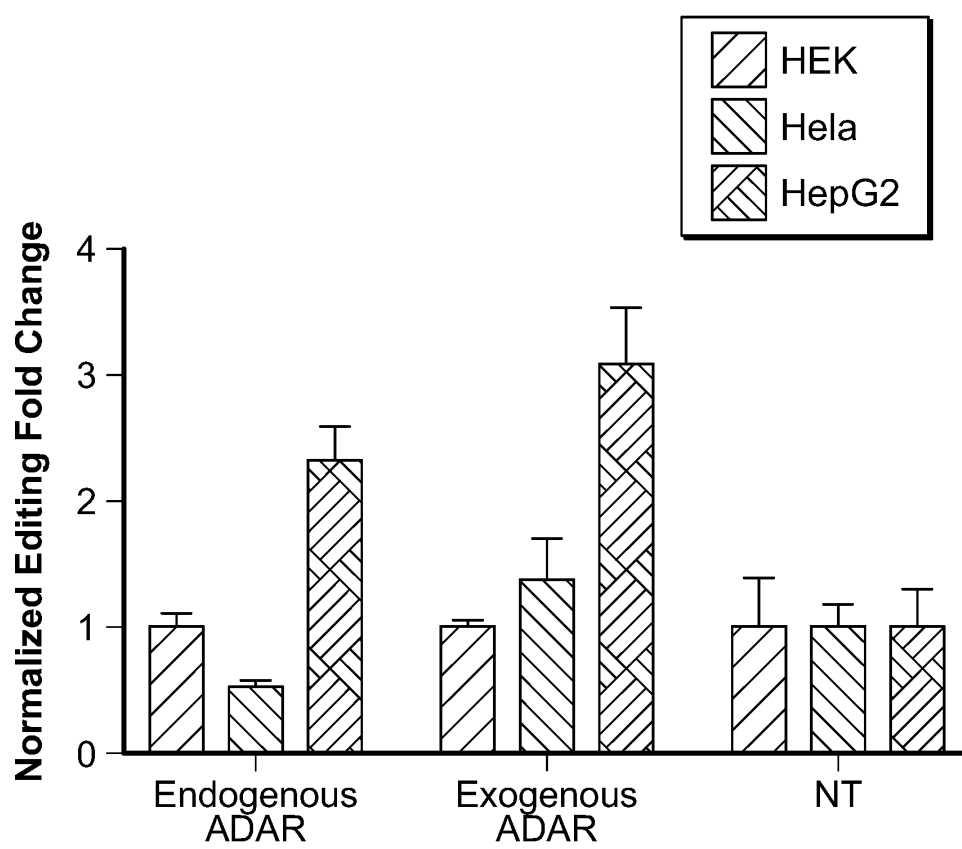
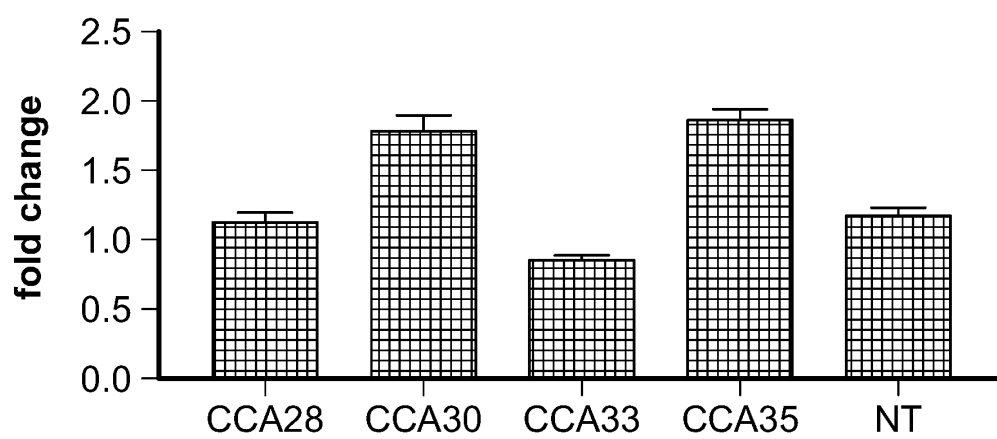


FIG. 45

**66/111****FIG. 46**

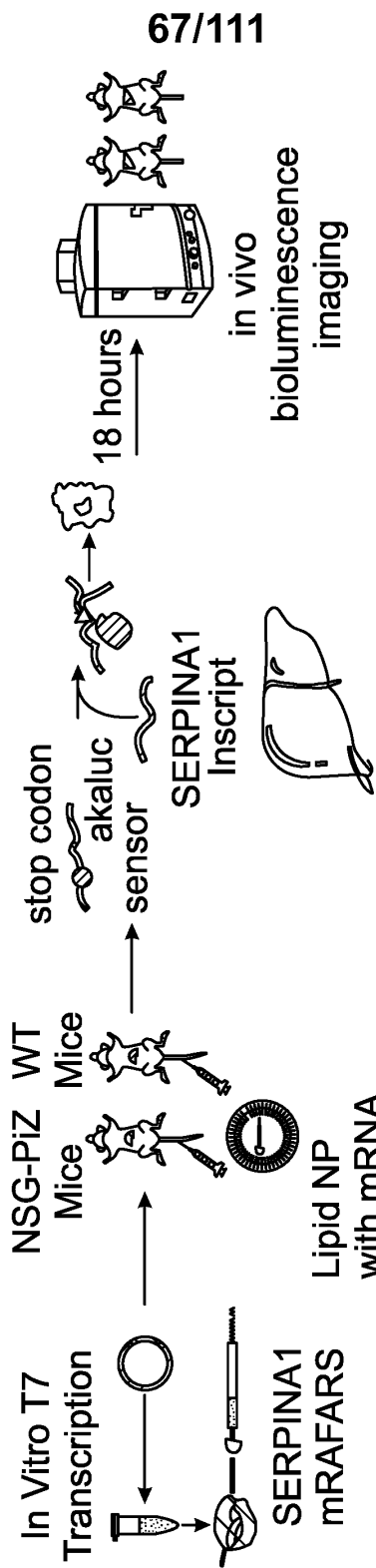


FIG. 47A



FIG. 47B

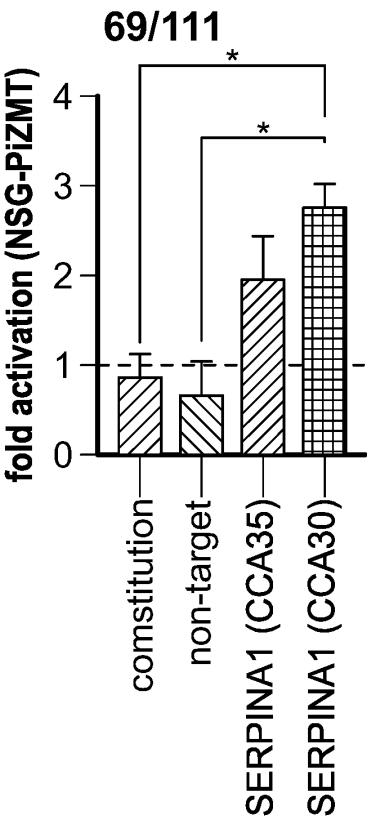


FIG. 48A

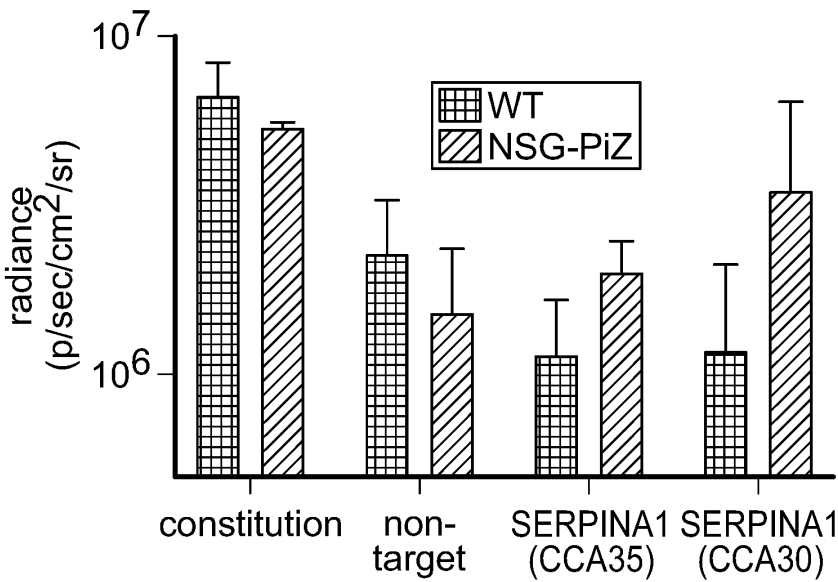
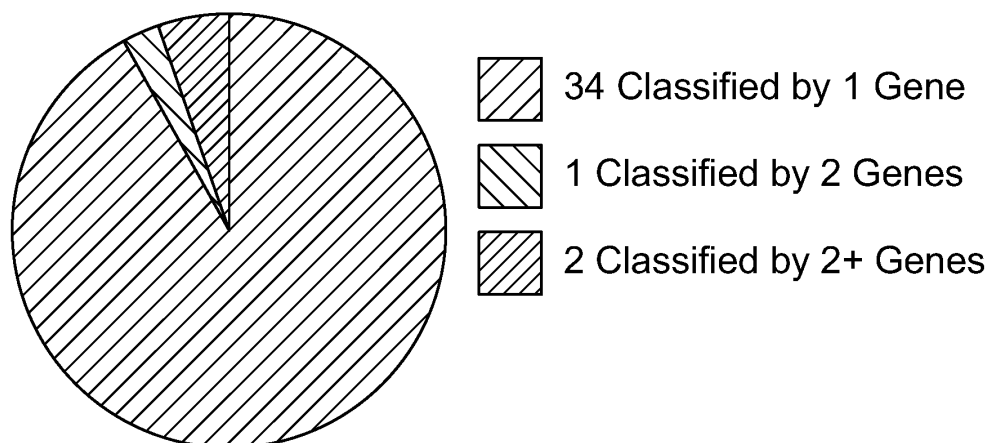
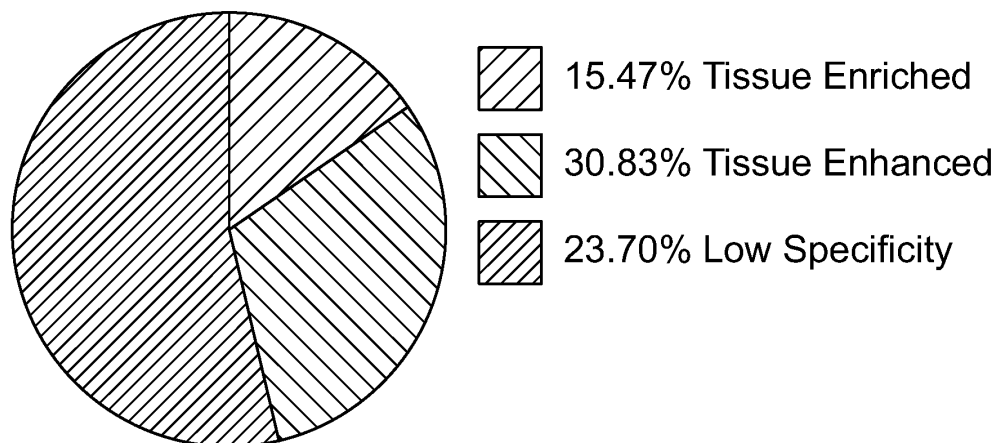


FIG. 48B

70/111

**Total Tissue Types=37****FIG. 49A****Total Protein Coding Genes=20090****FIG. 49B**

71/111

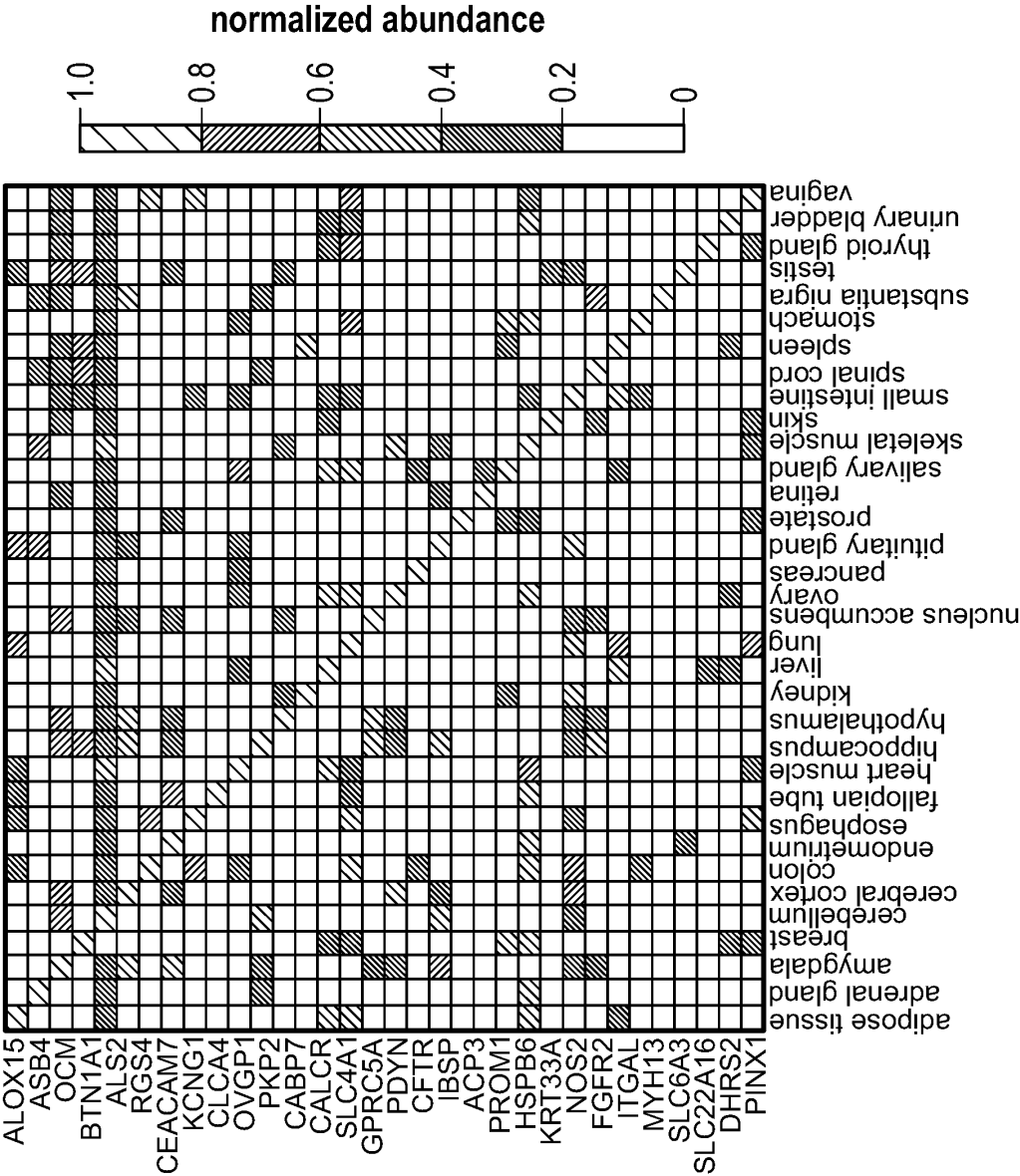


FIG. 49C

72/111

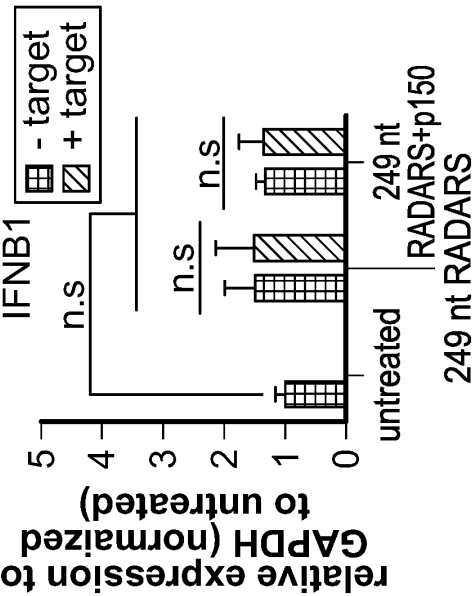


FIG. 50B

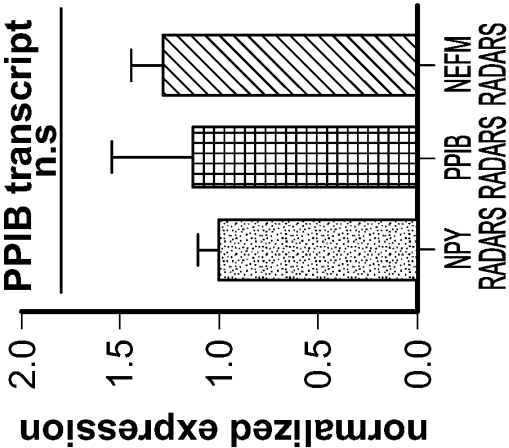


FIG. 50D

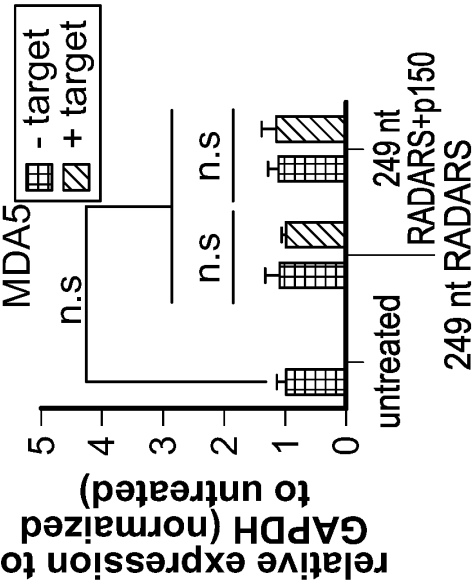


FIG. 50A

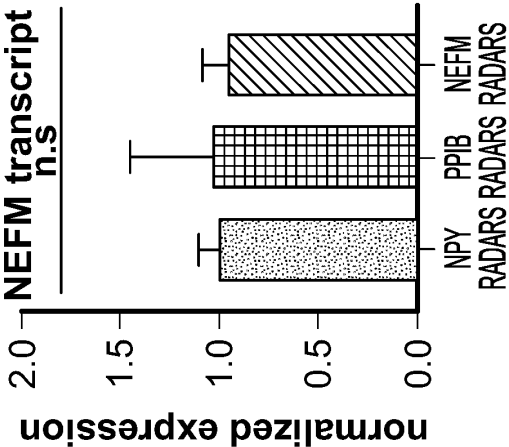
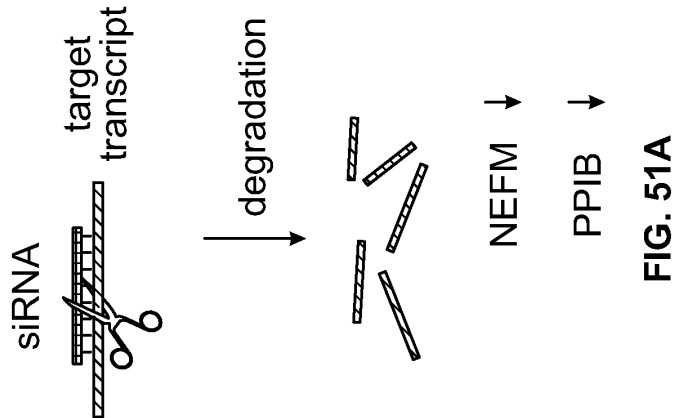
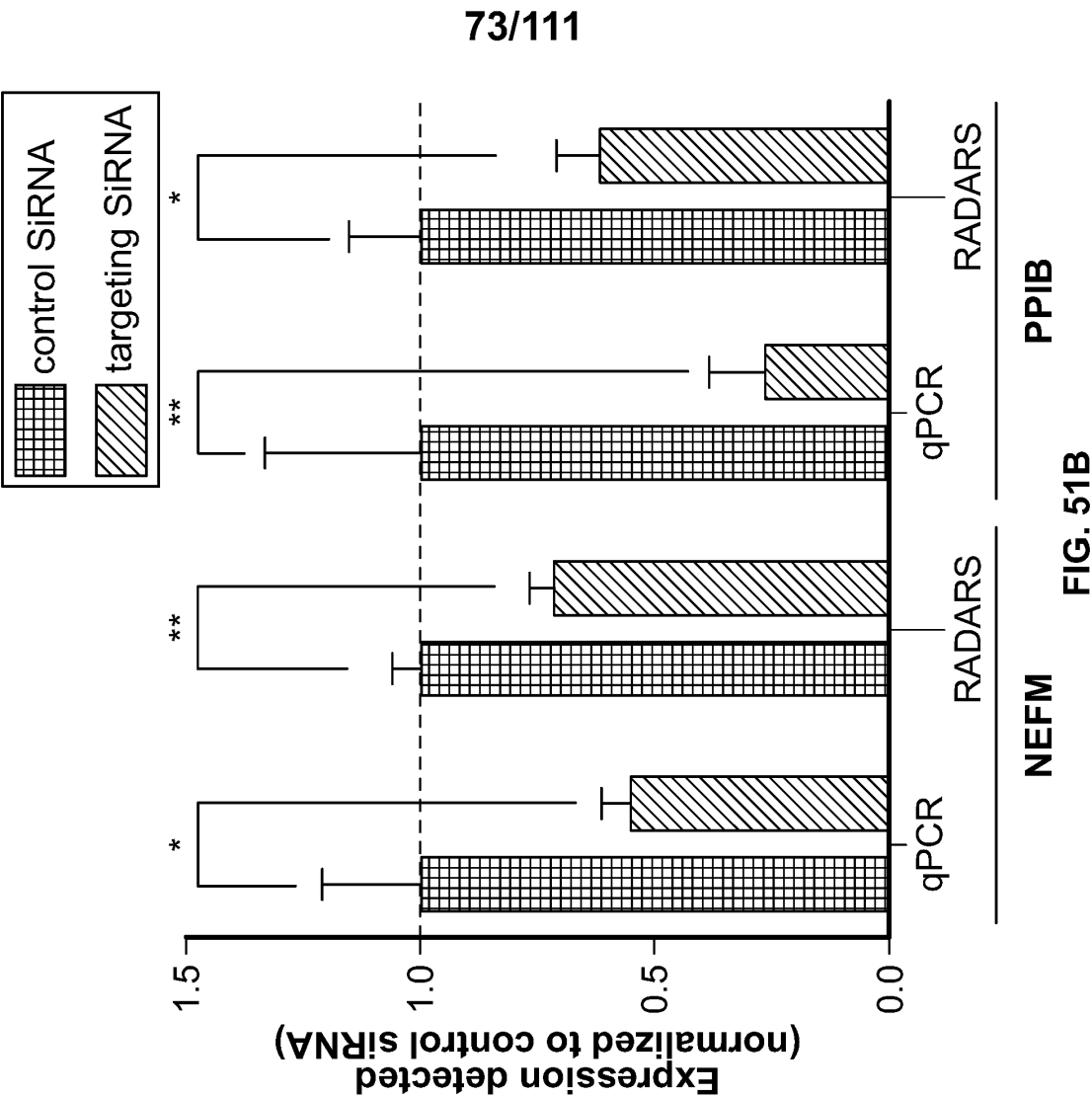


FIG. 50C



74/111

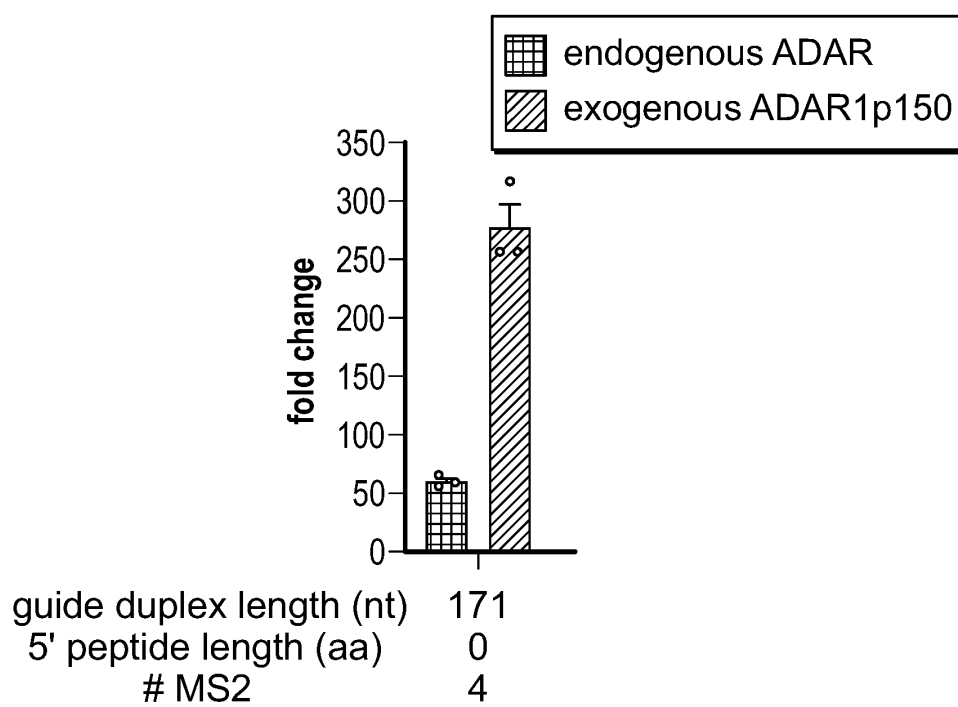


FIG. 52

75/111

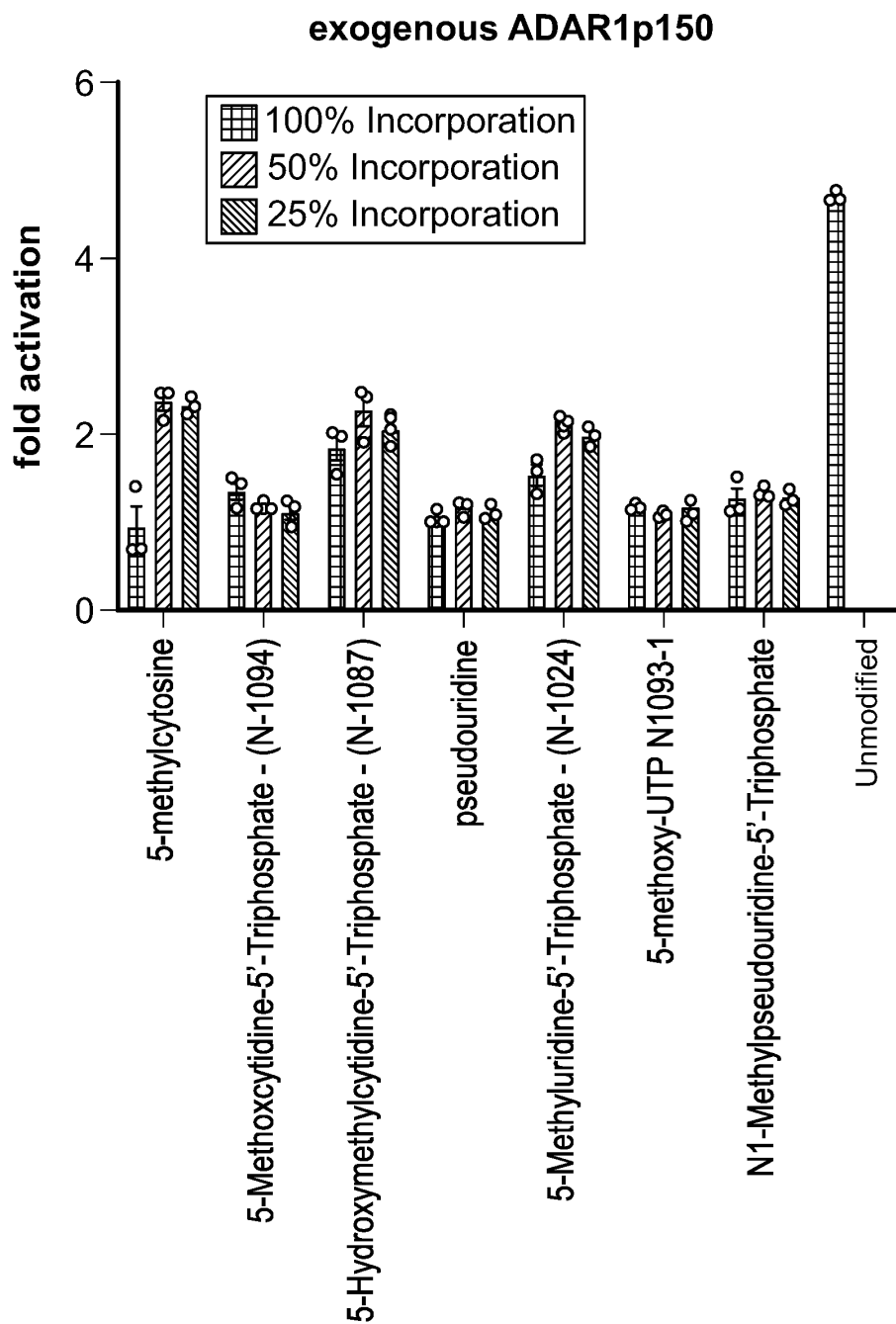


FIG. 53A

76/111

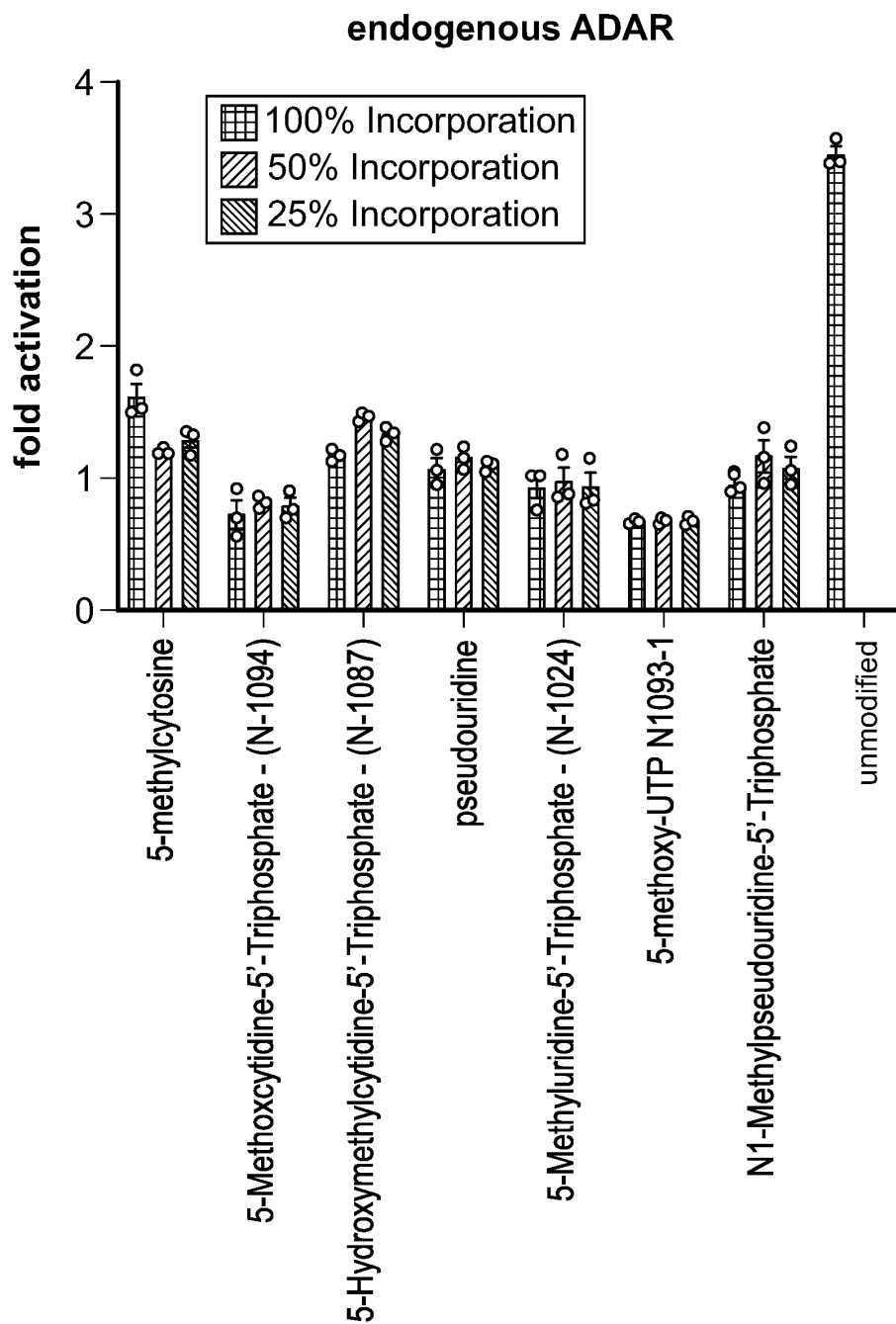


FIG. 53B

77/111

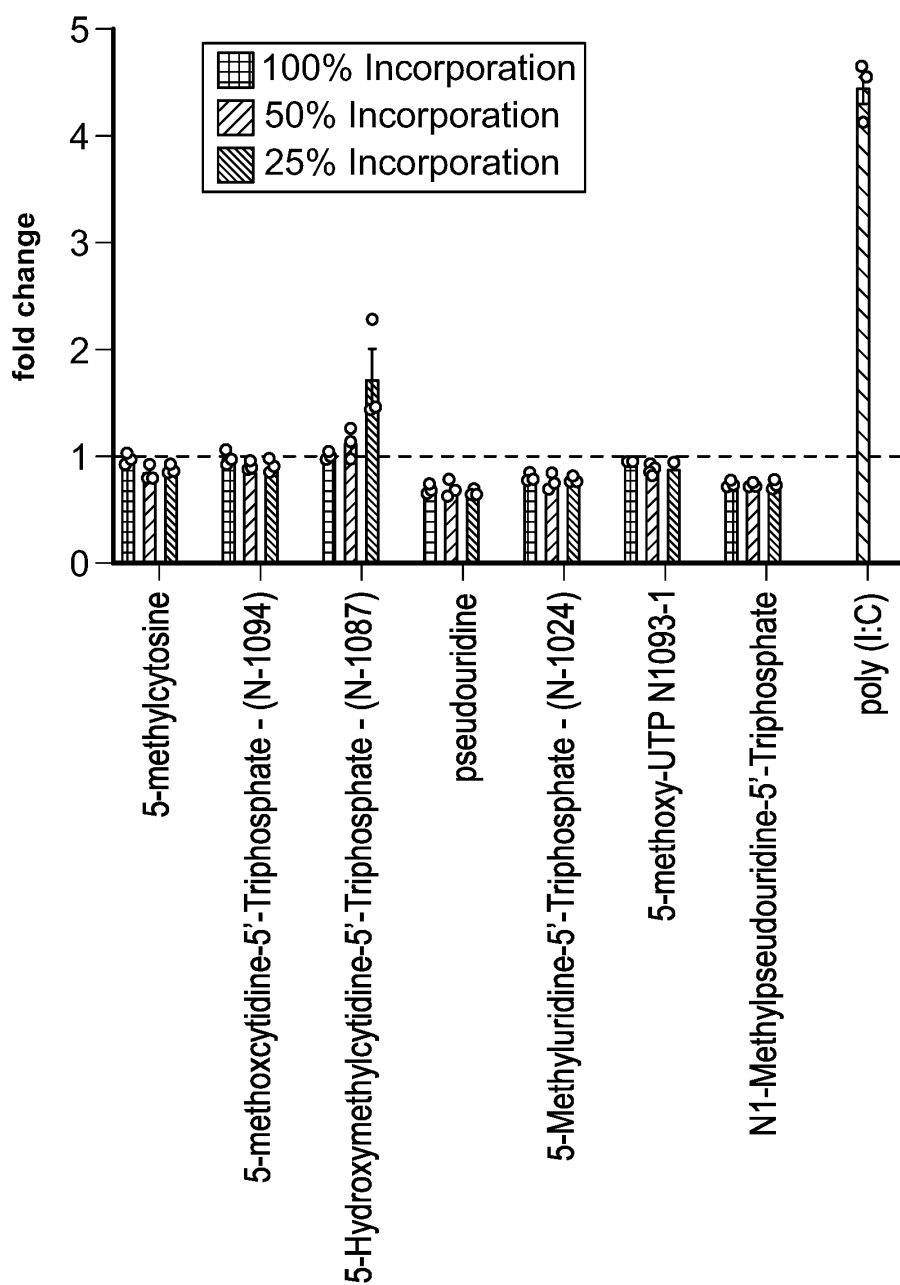


FIG. 53C

78/111

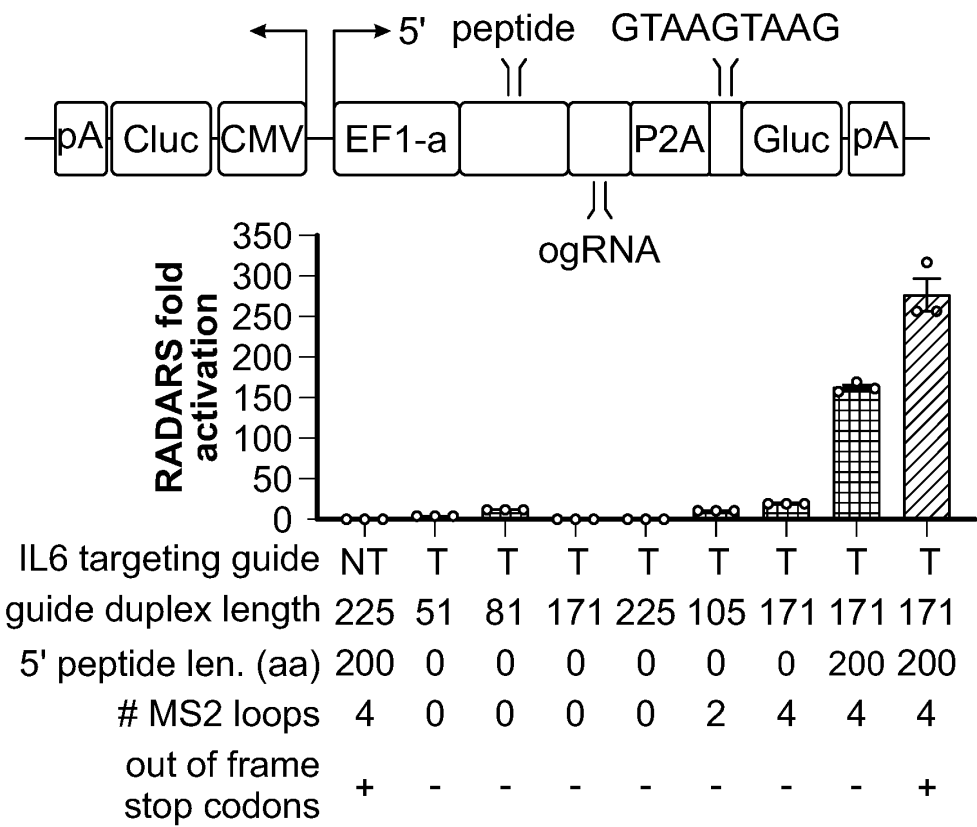


FIG. 54A

79/111

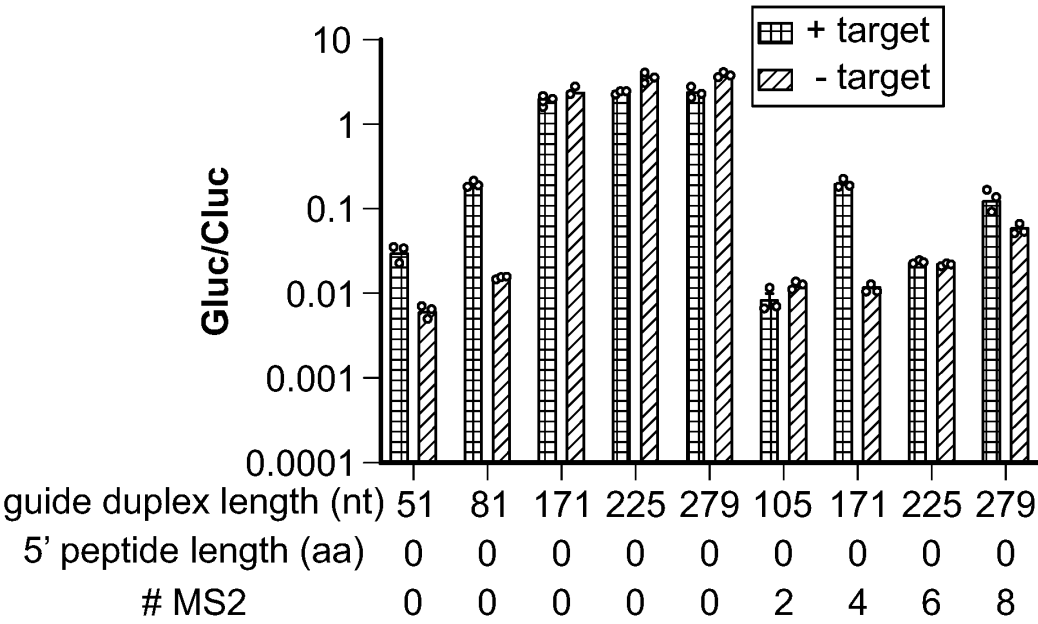
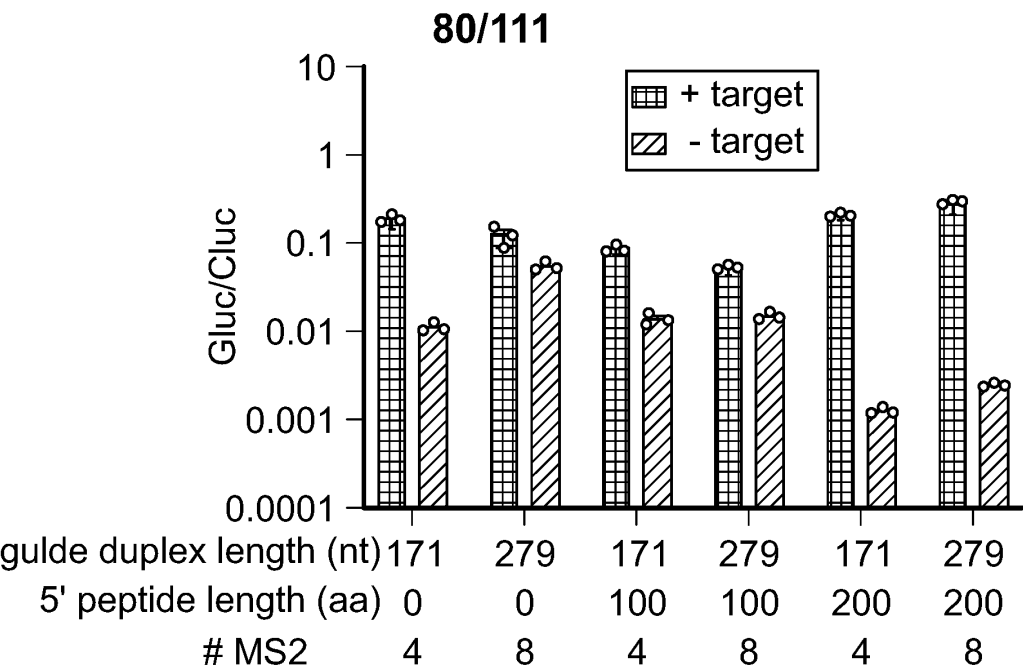
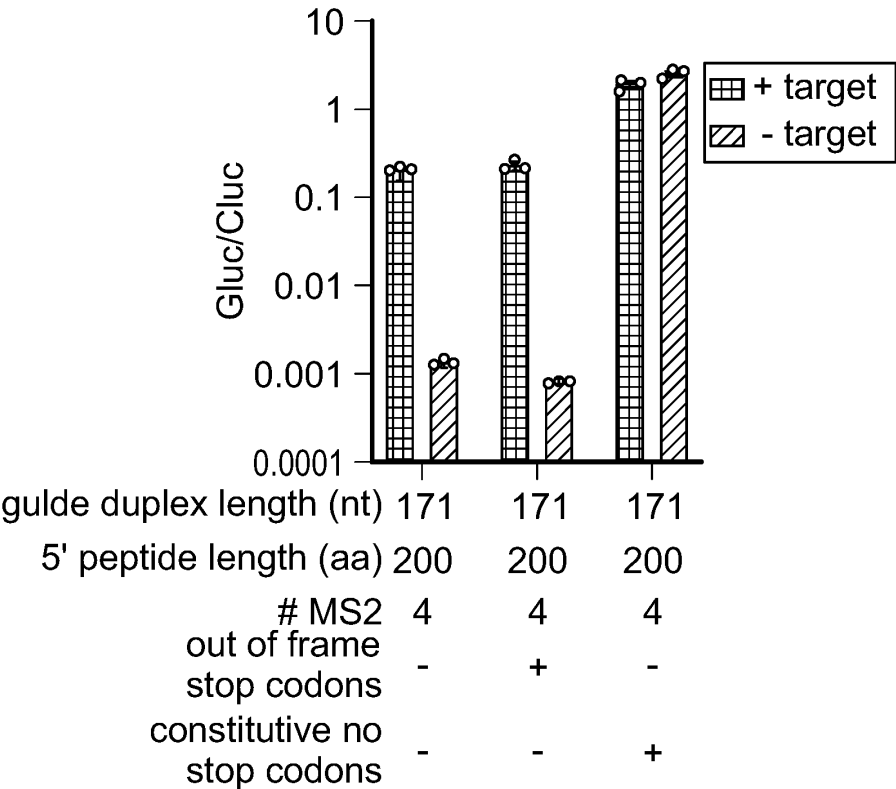


FIG. 54B

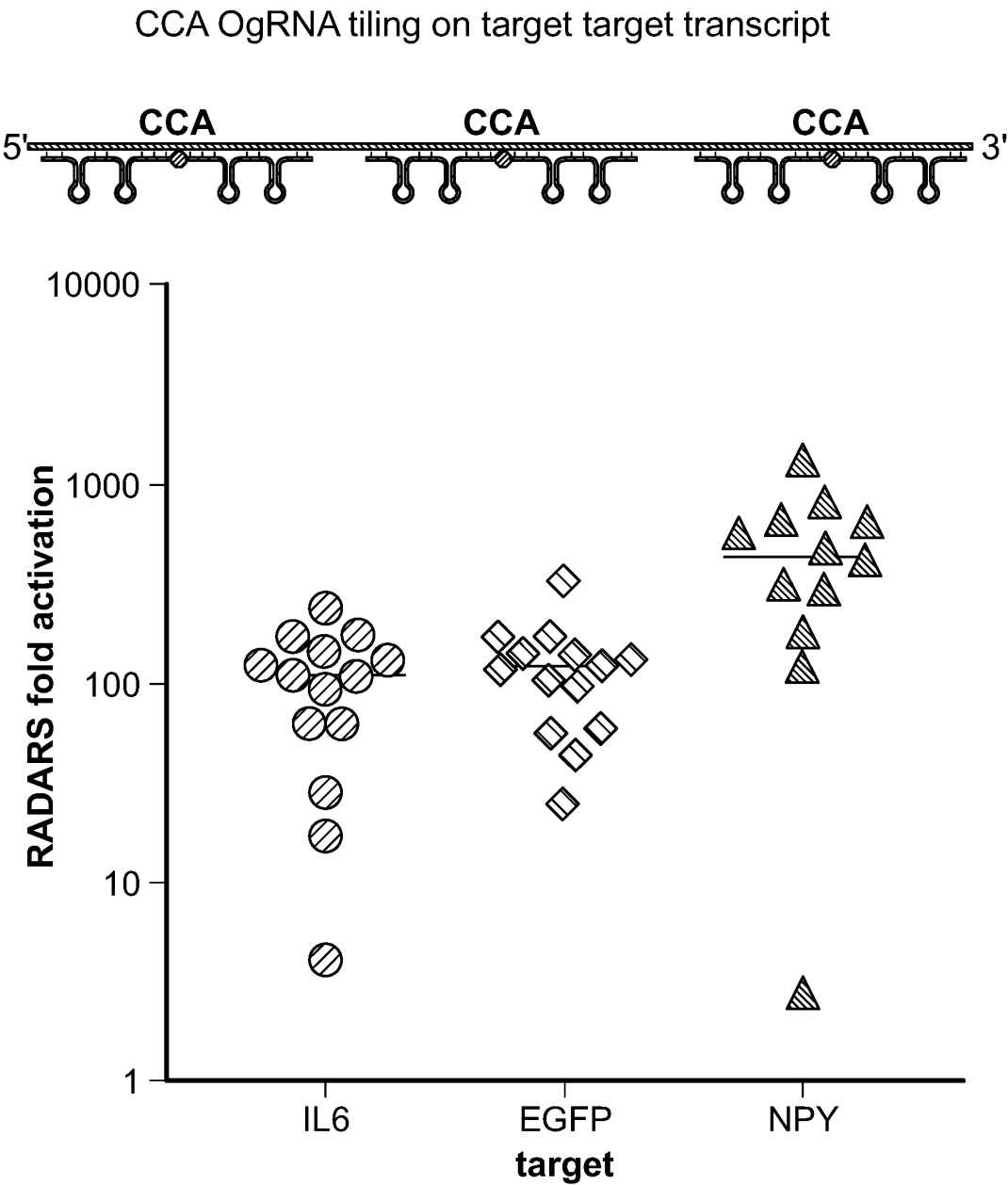


**FIG. 55A**



**FIG. 55B**

81/111



82/111

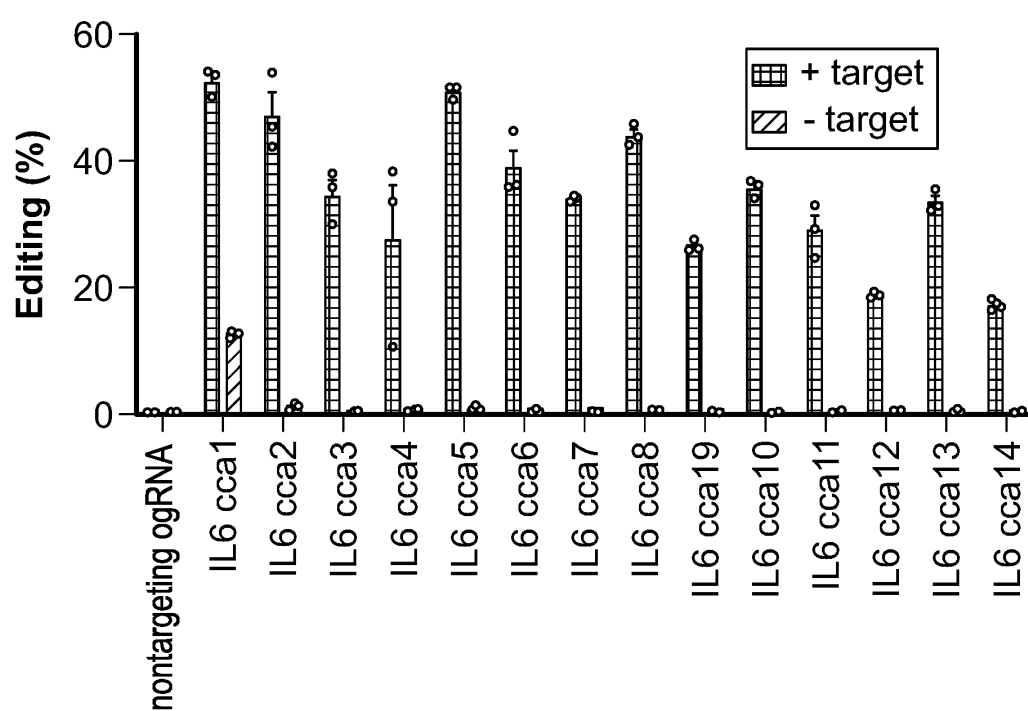


FIG. 56B

83/111

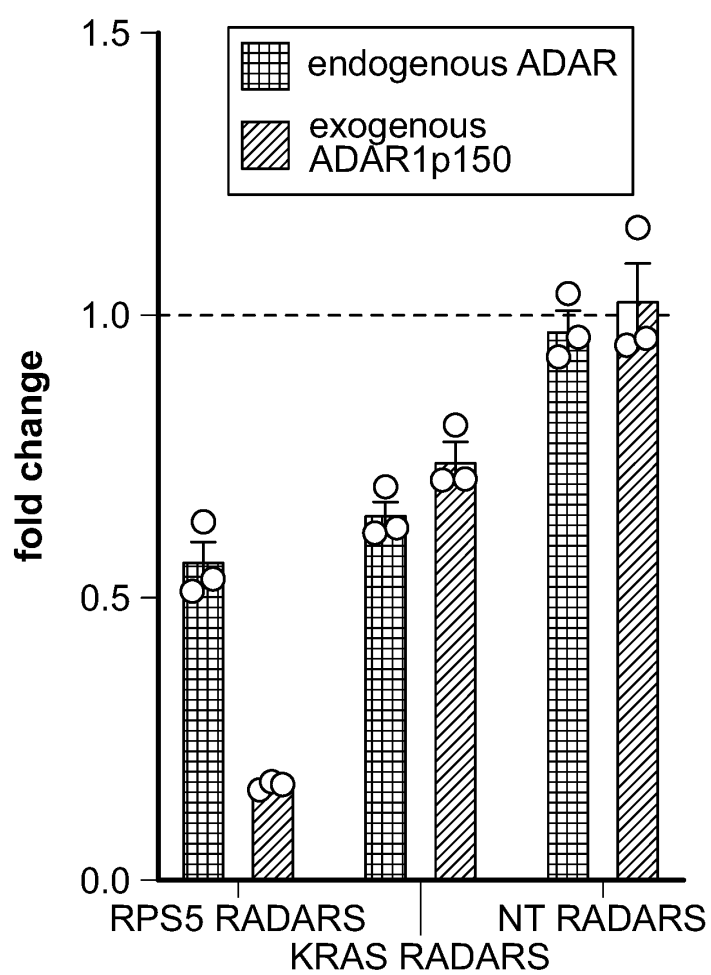
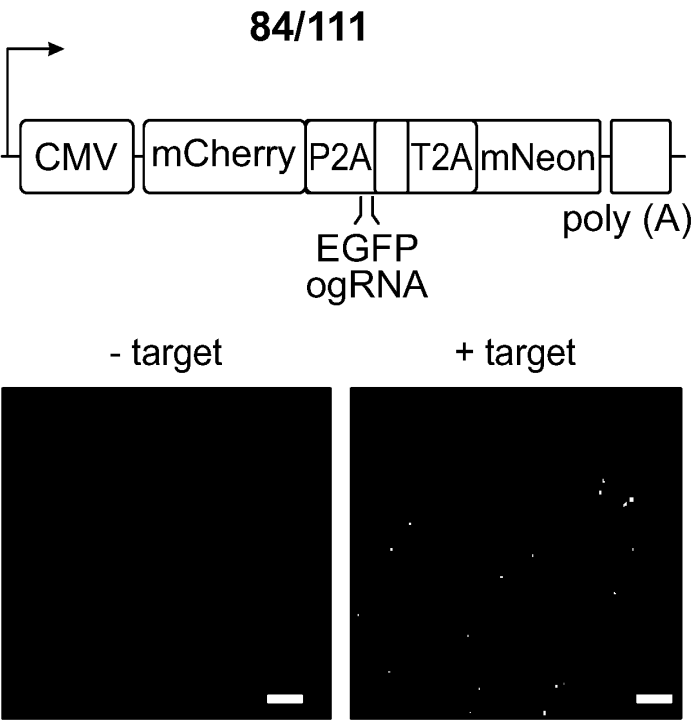
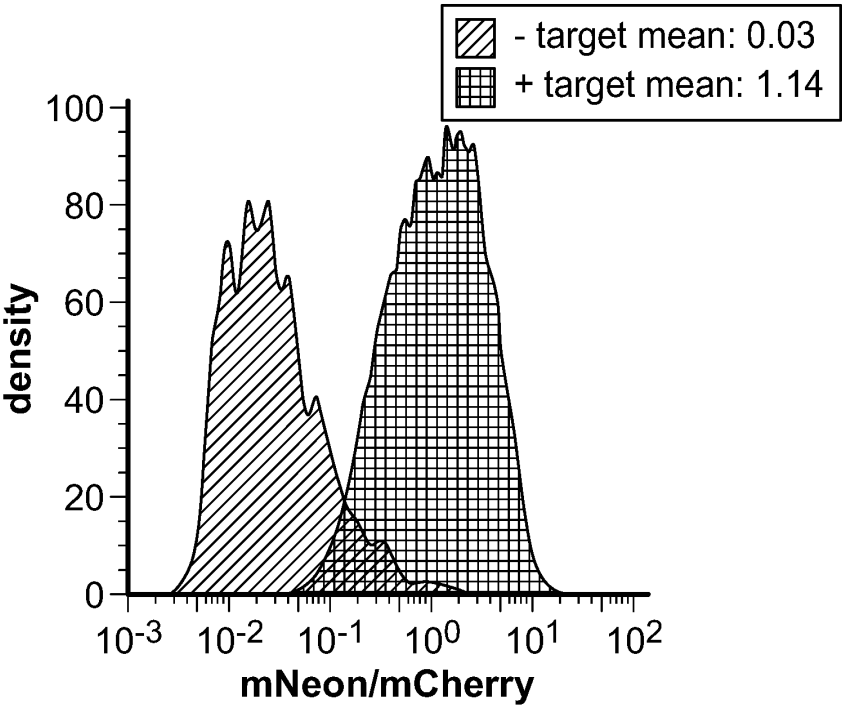


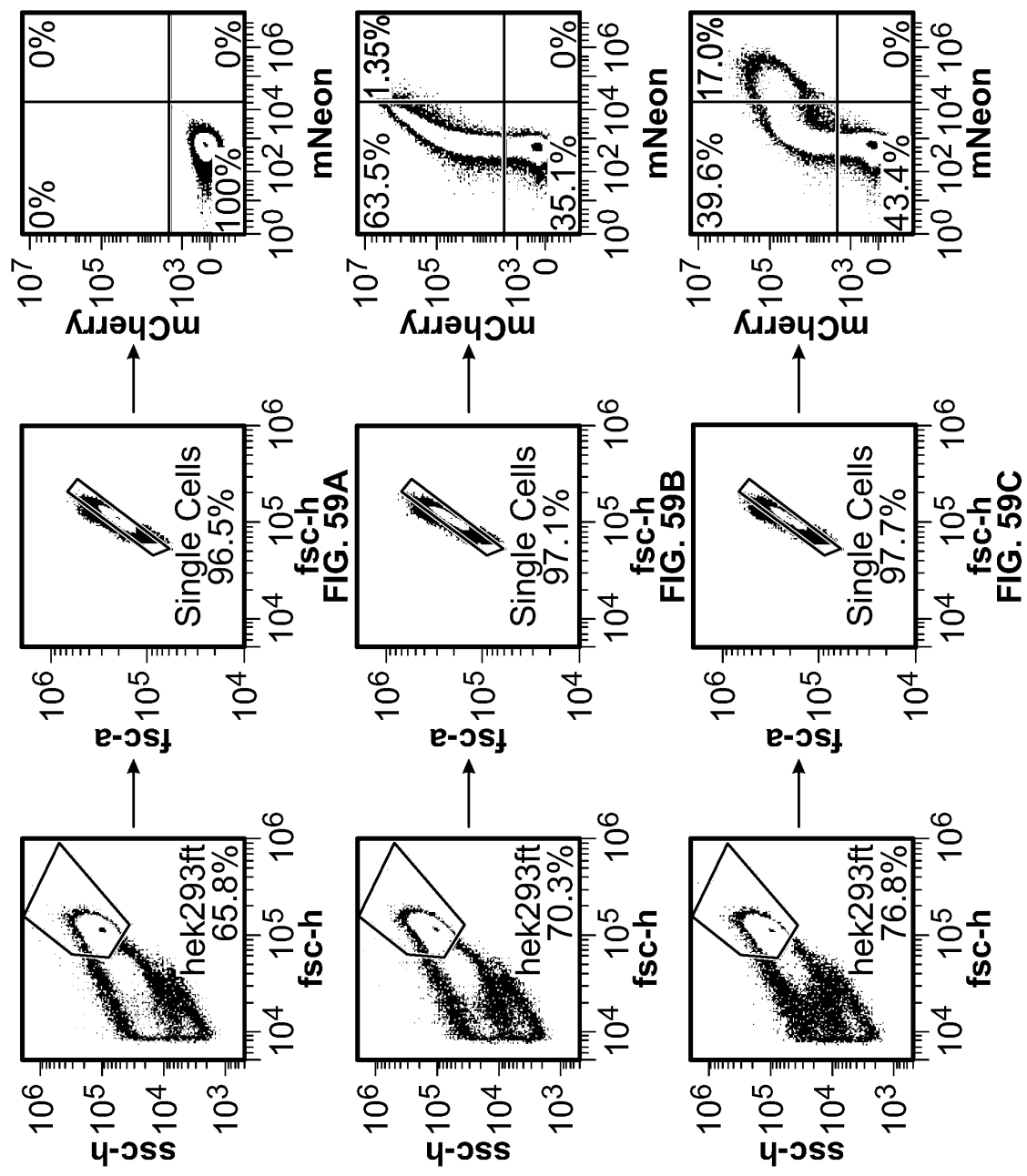
FIG. 57



**FIG. 58A**



**FIG. 58B**



86/111

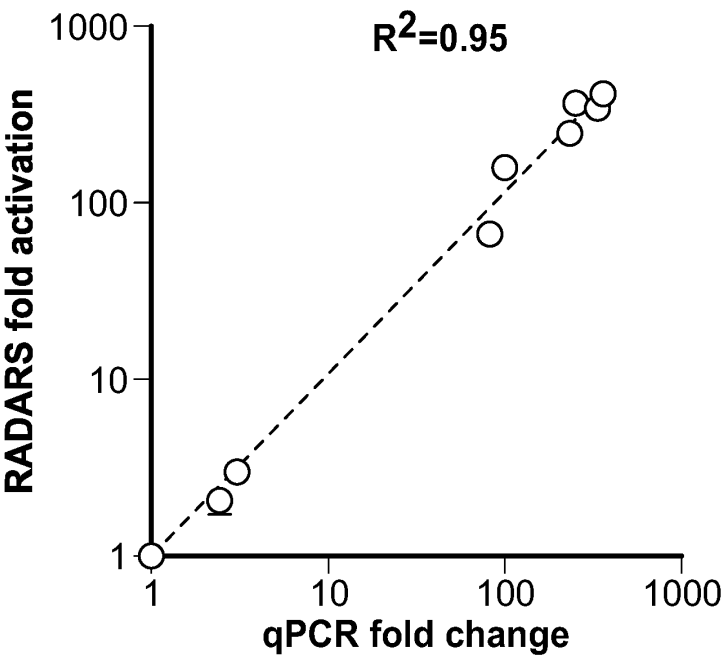


FIG. 60A

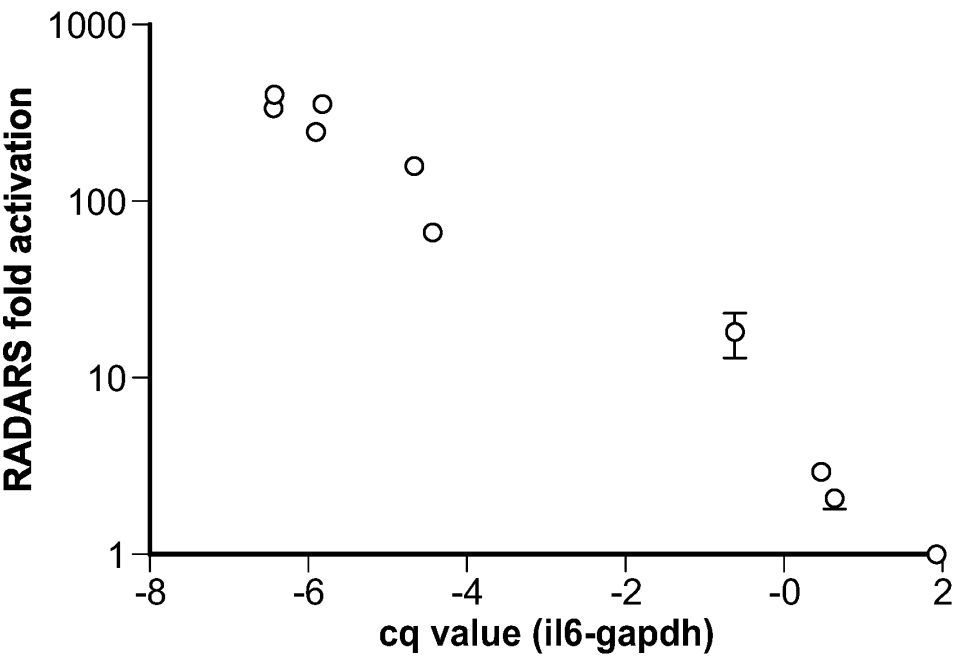


FIG. 60B

87/111

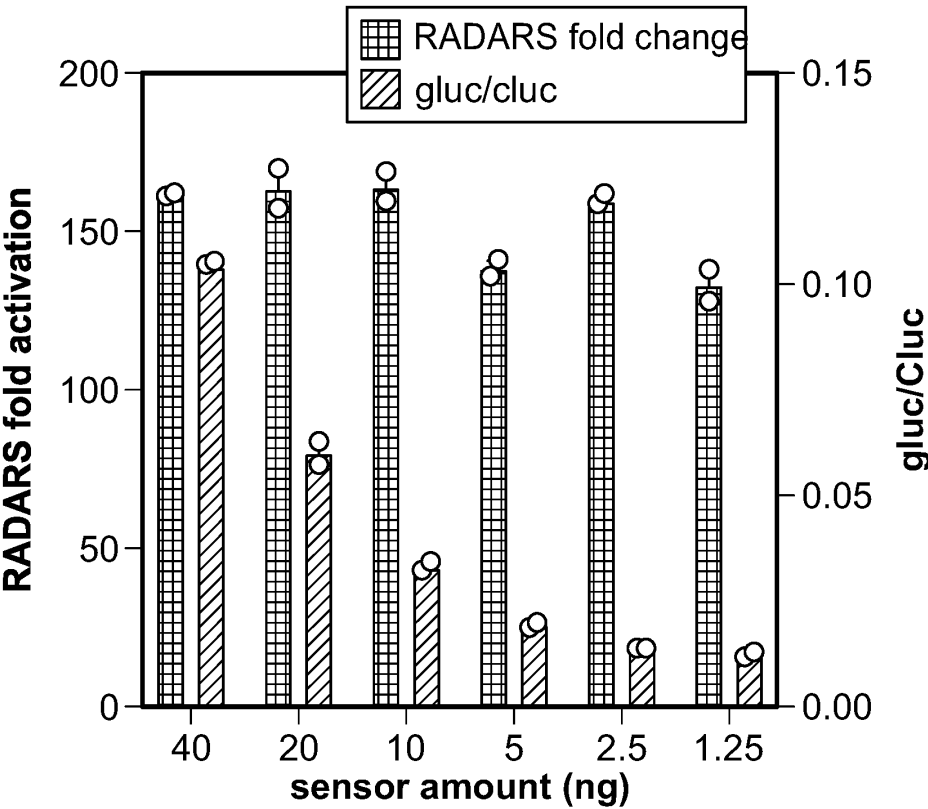


FIG. 60C

88/111

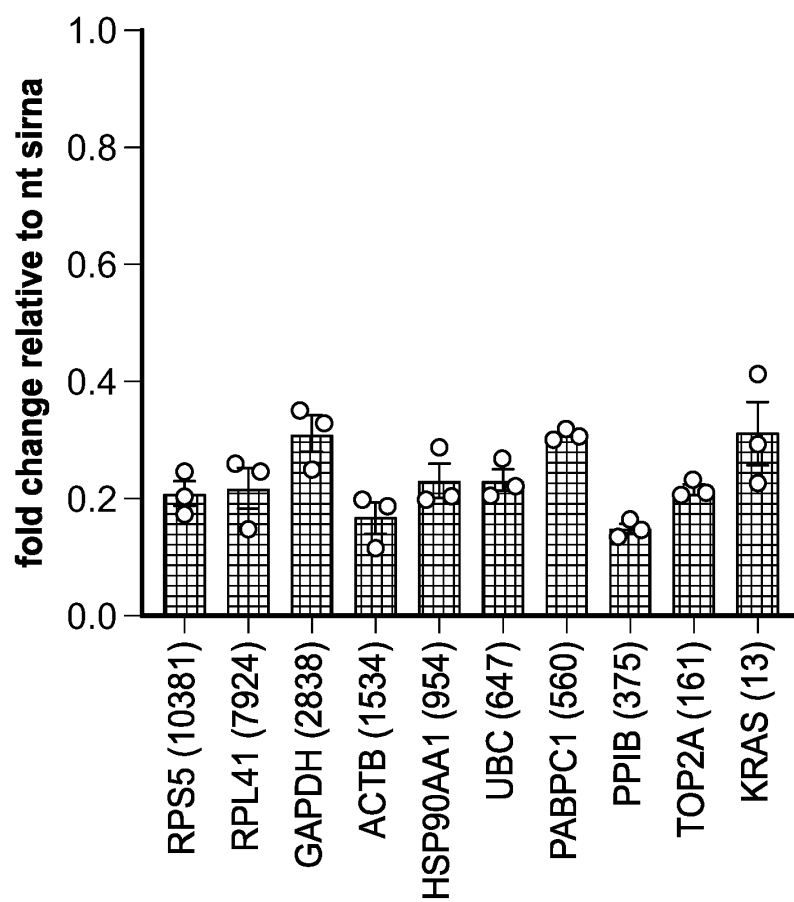


FIG. 61

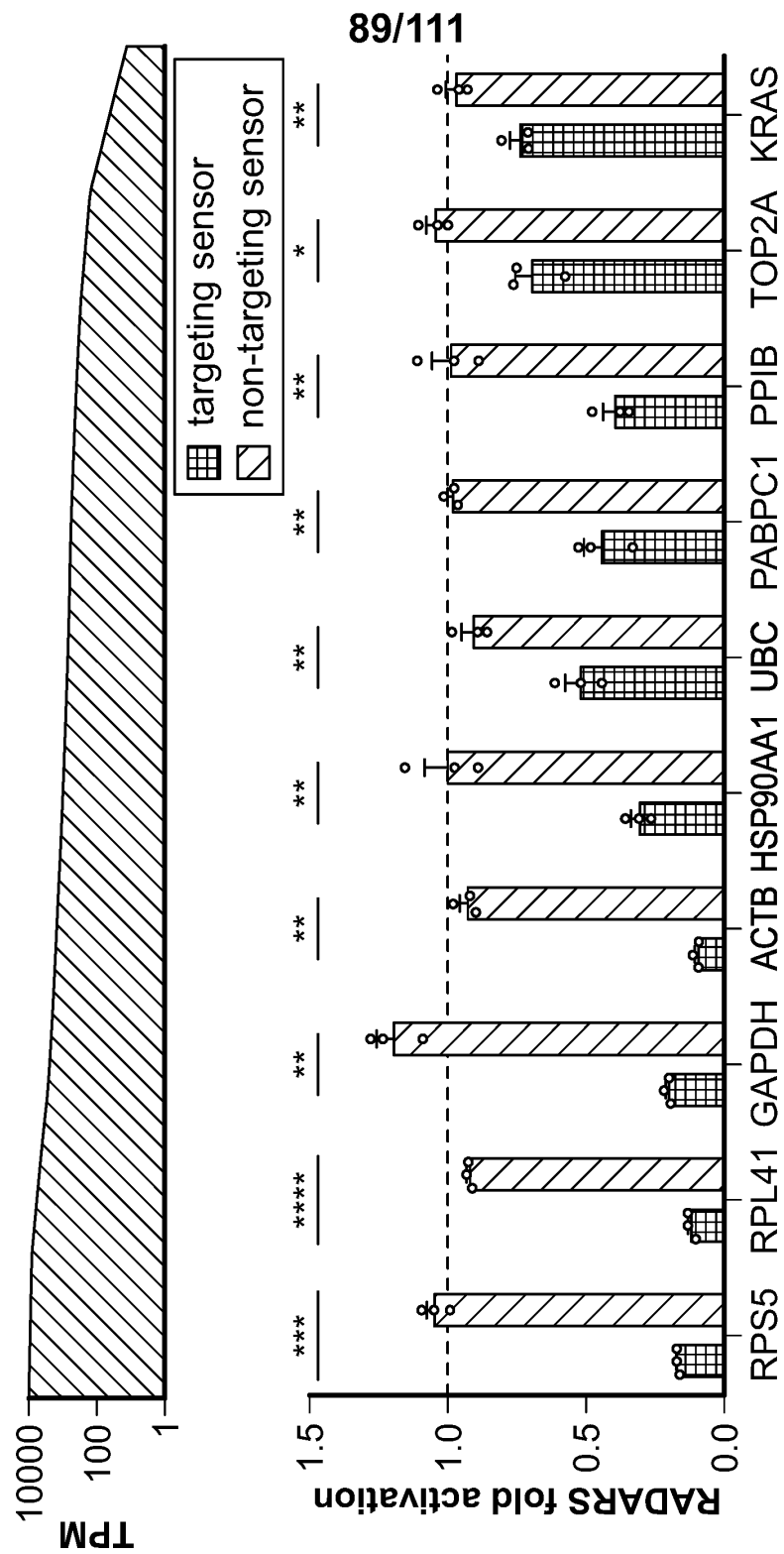
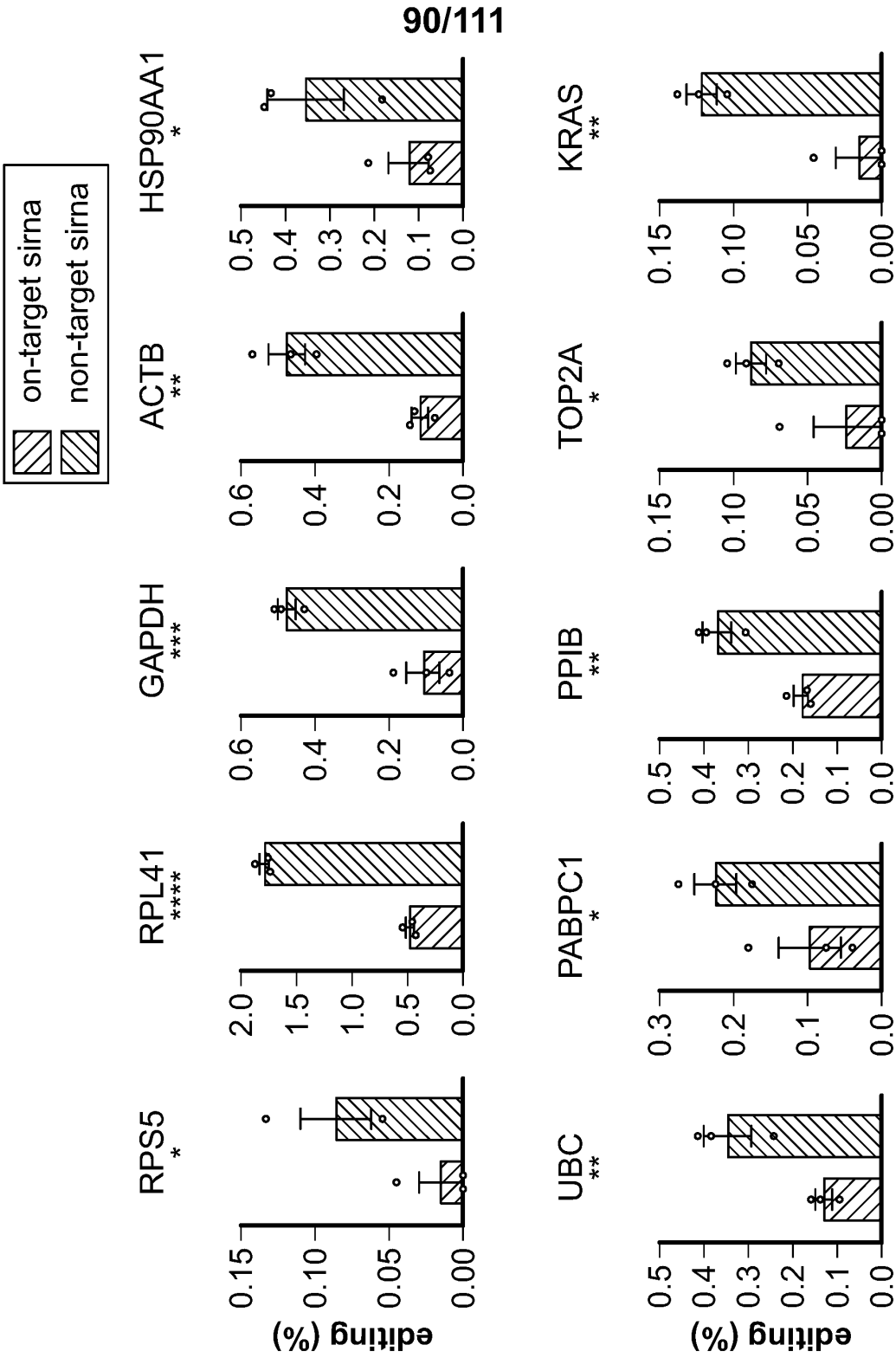


FIG. 62A



91/111

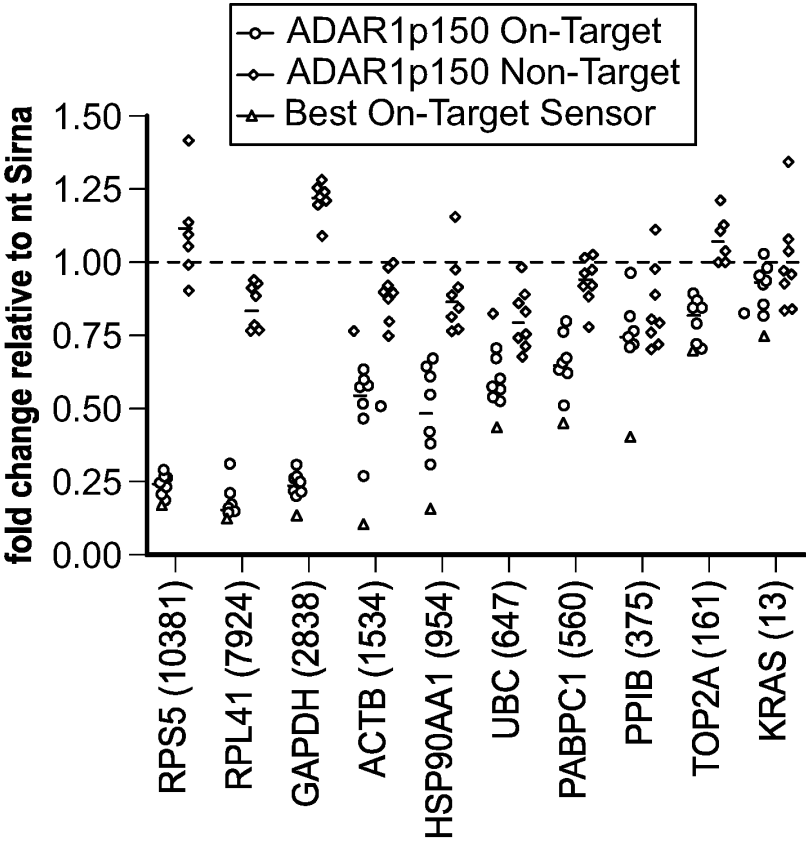


FIG. 63A

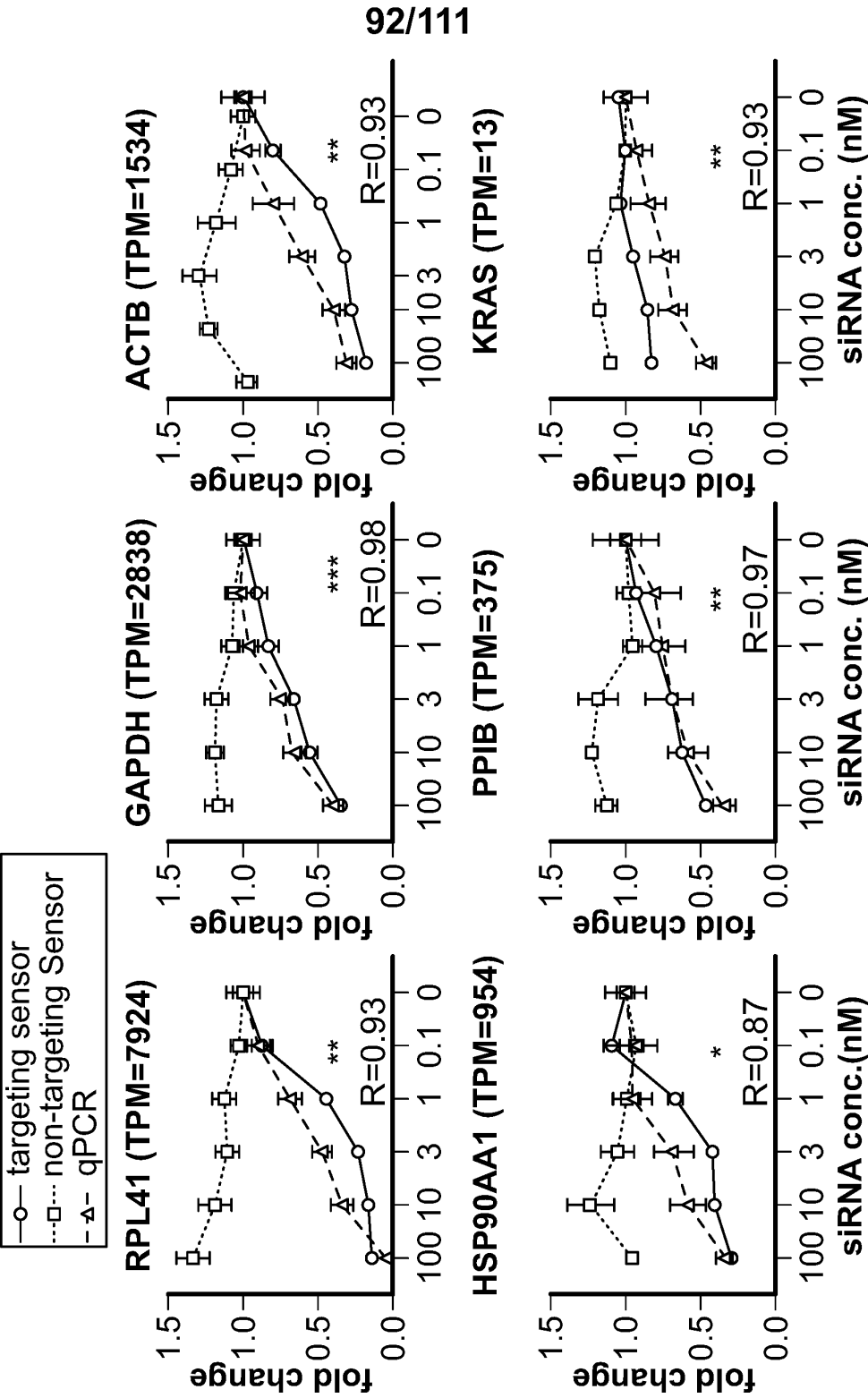


FIG. 63B

93/111

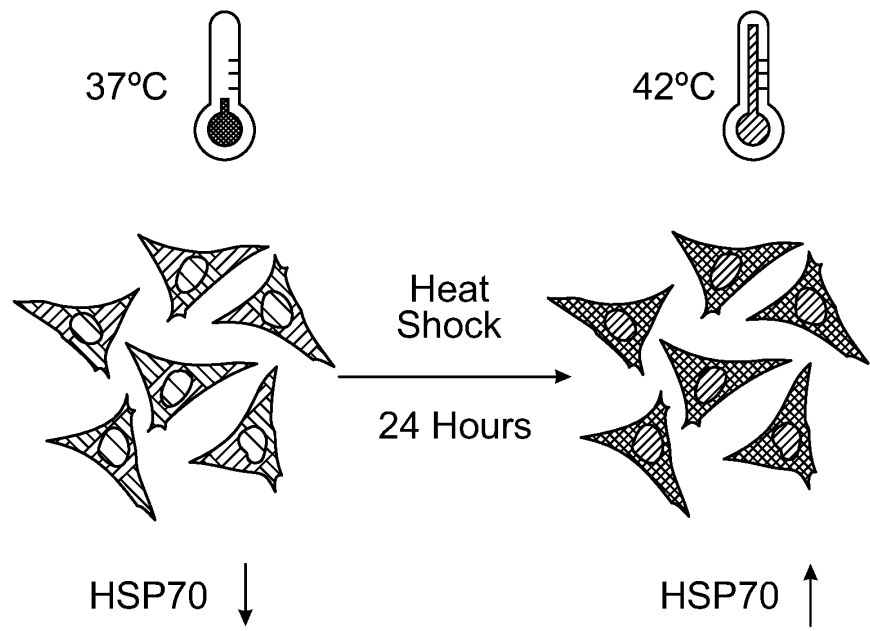


FIG. 64A

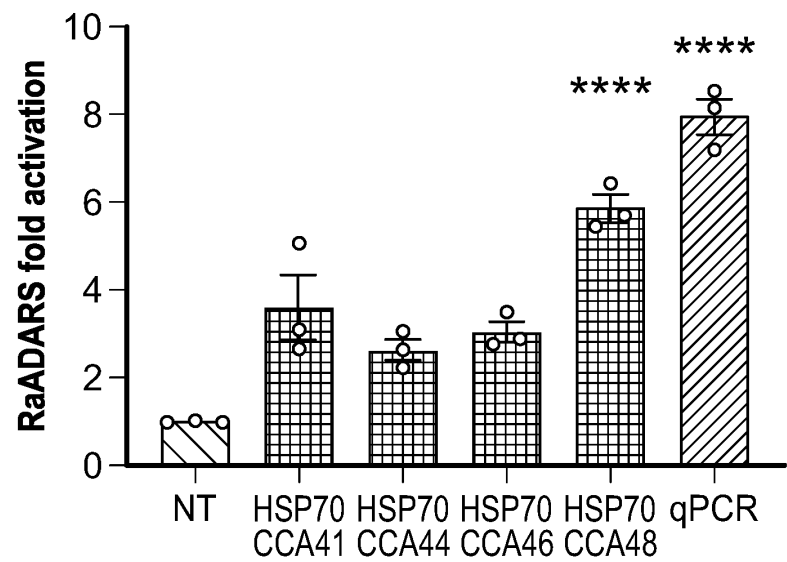


FIG. 64B

94/111

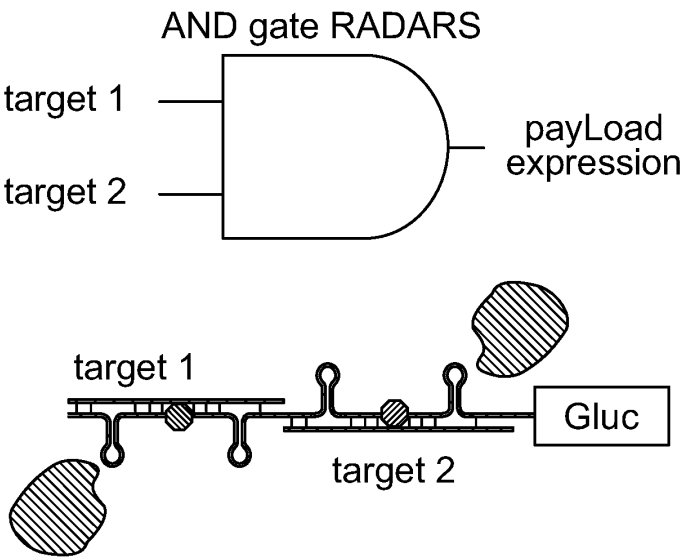


FIG. 65A

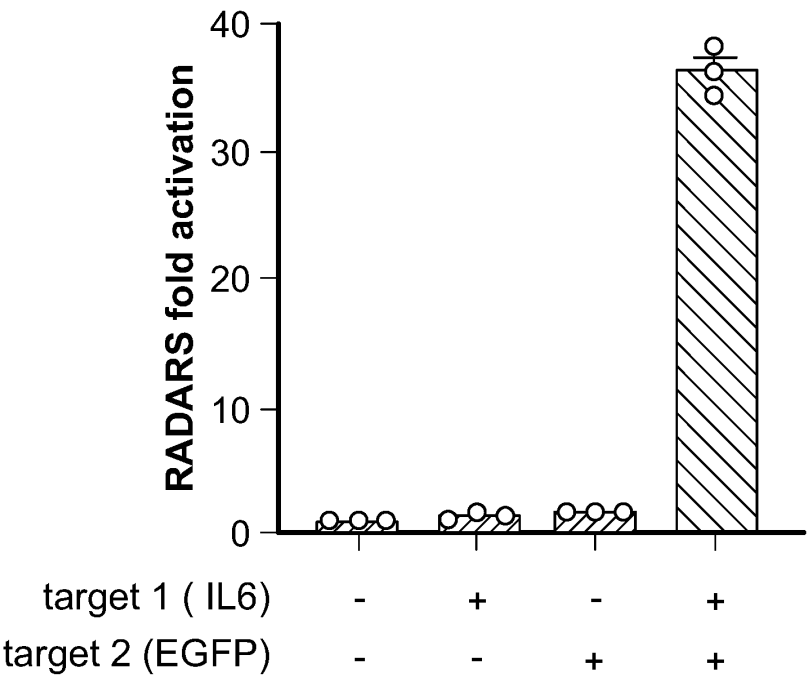
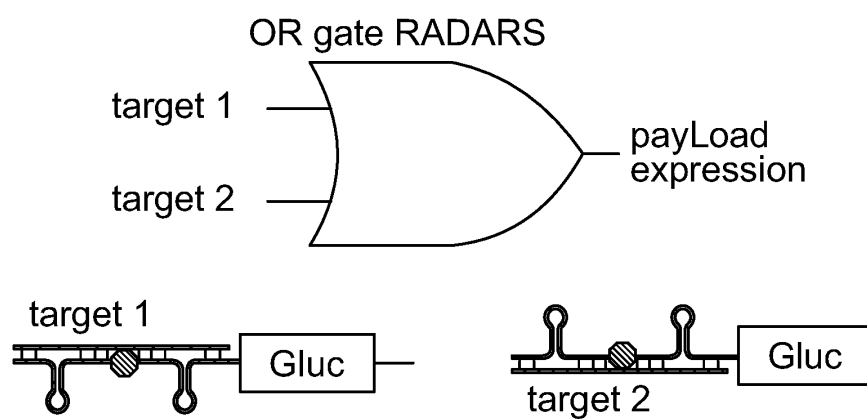
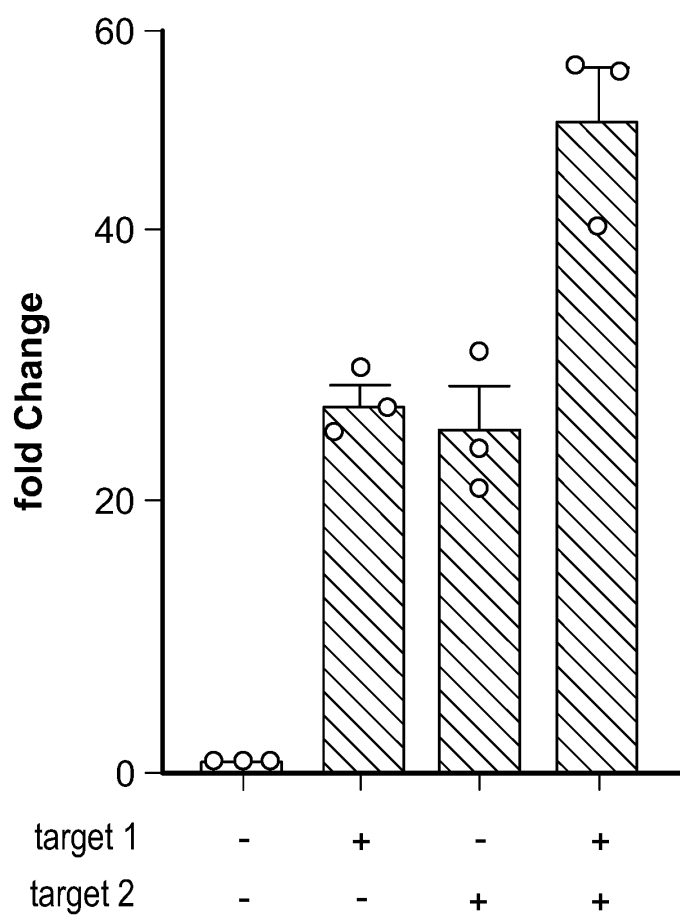


FIG. 65B

**95/111****FIG. 66A****FIG. 66B**

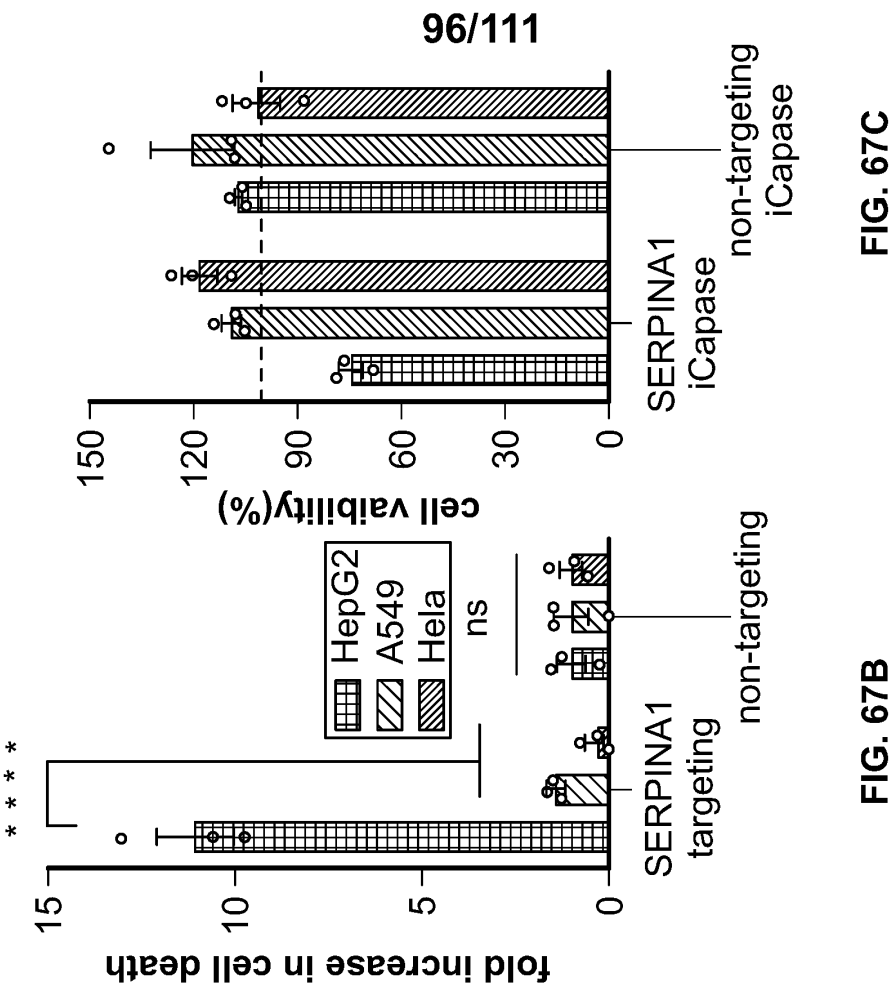


FIG. 67C

FIG. 67B

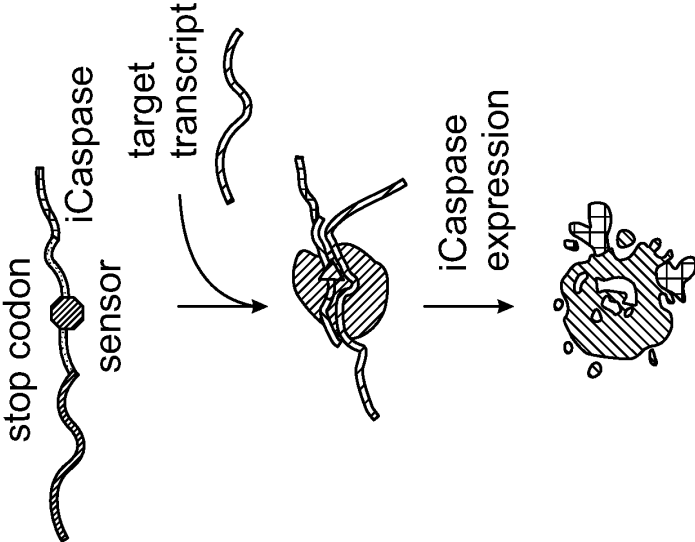


FIG. 67A

97/111

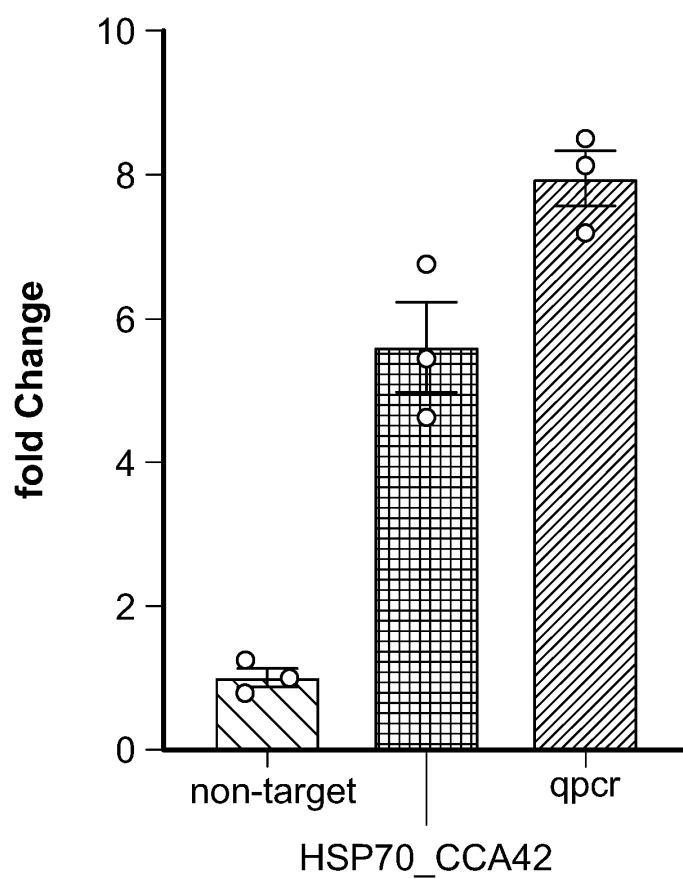
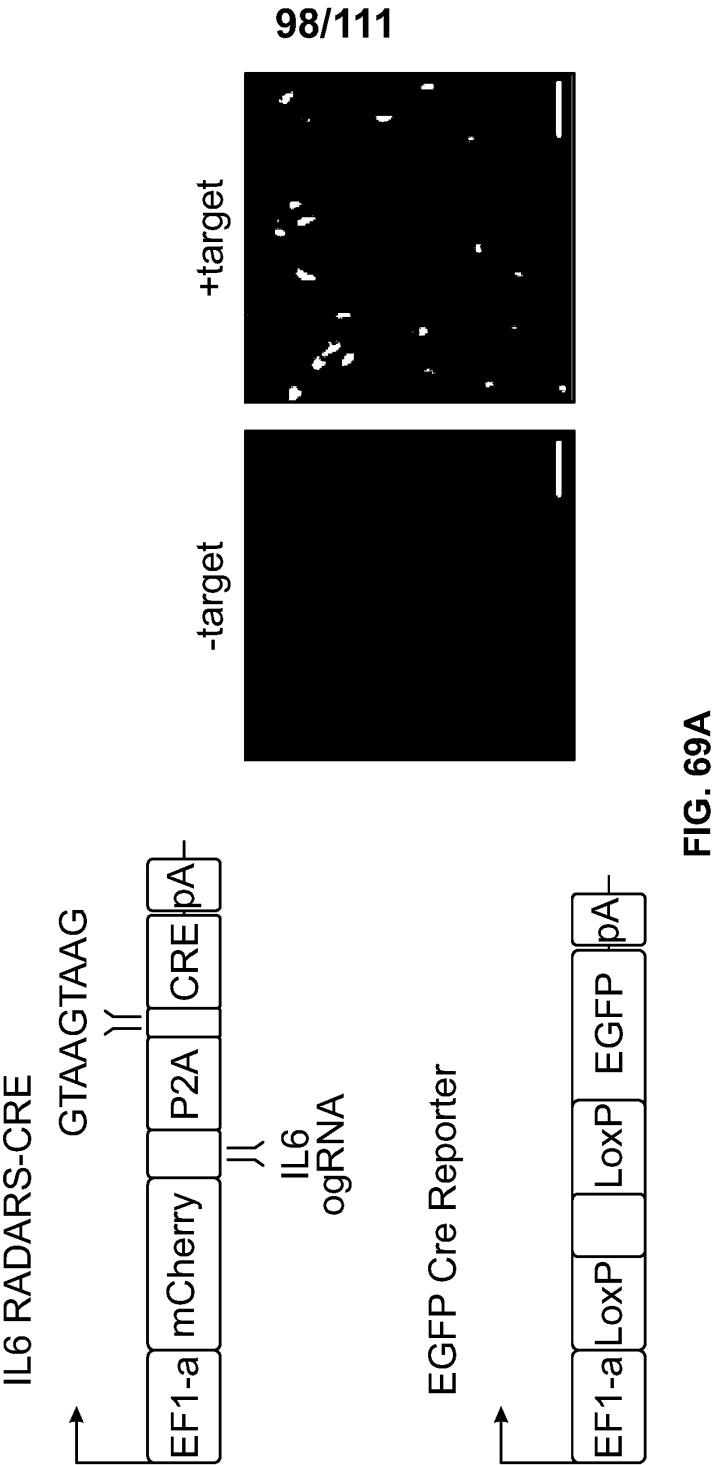


FIG. 68



99/111

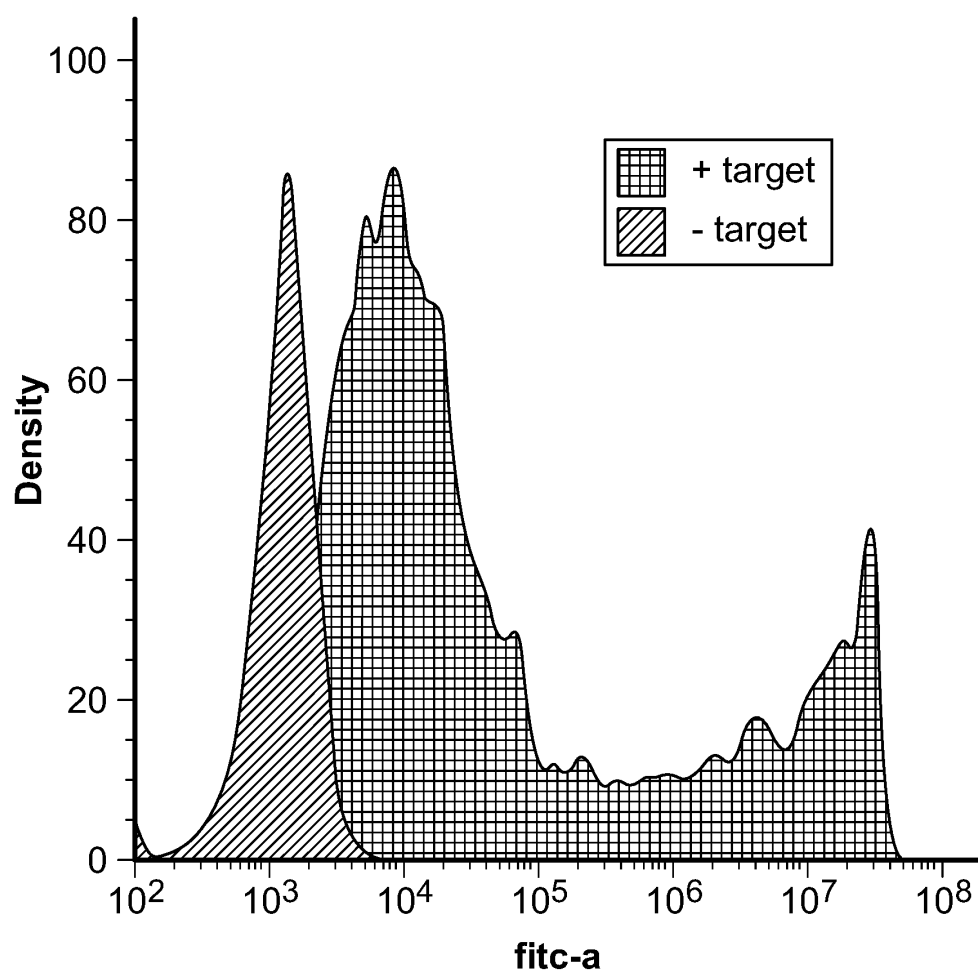
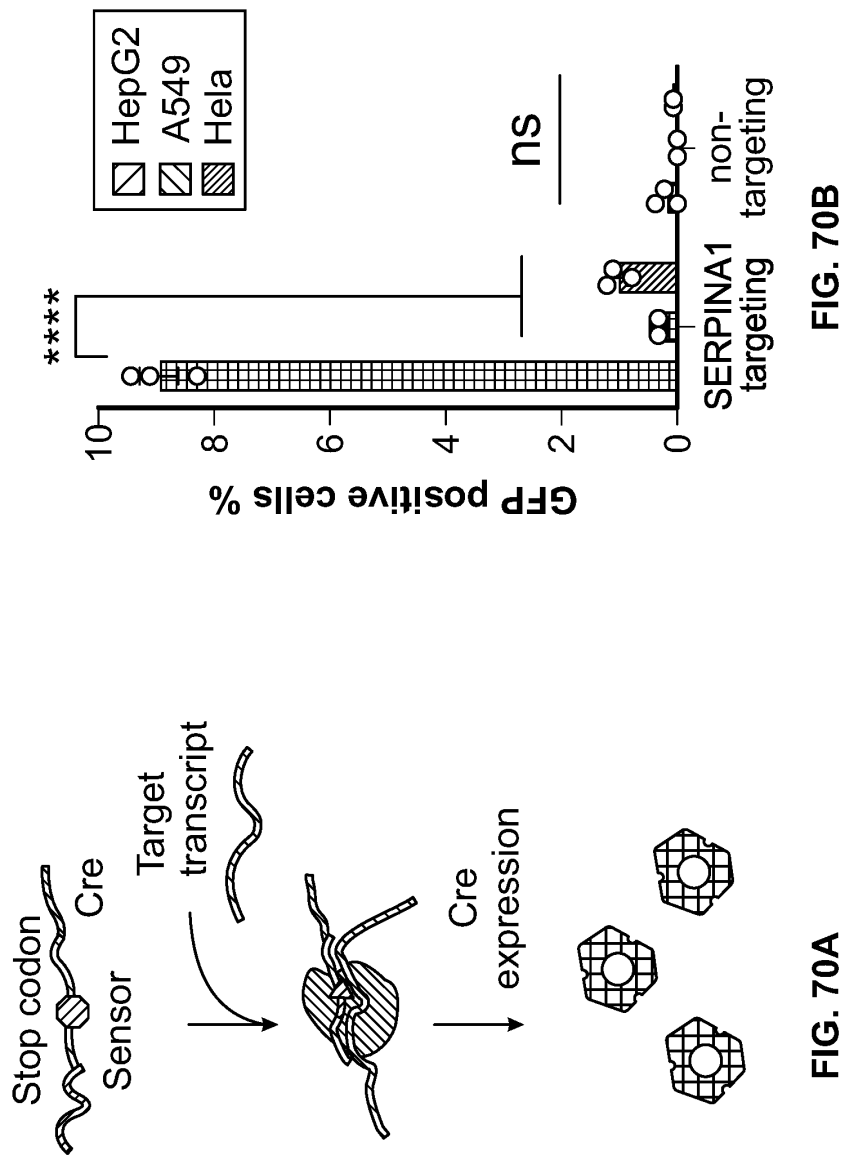


FIG. 69B



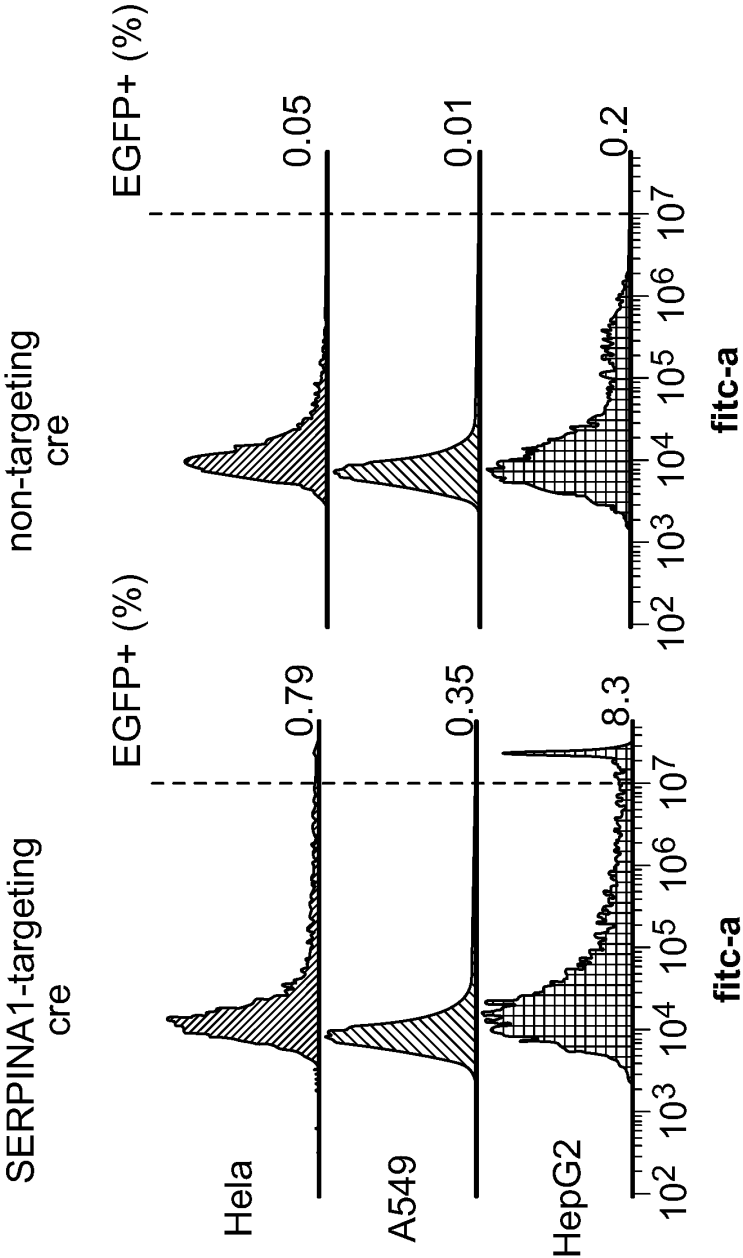


FIG. 70C

102/111

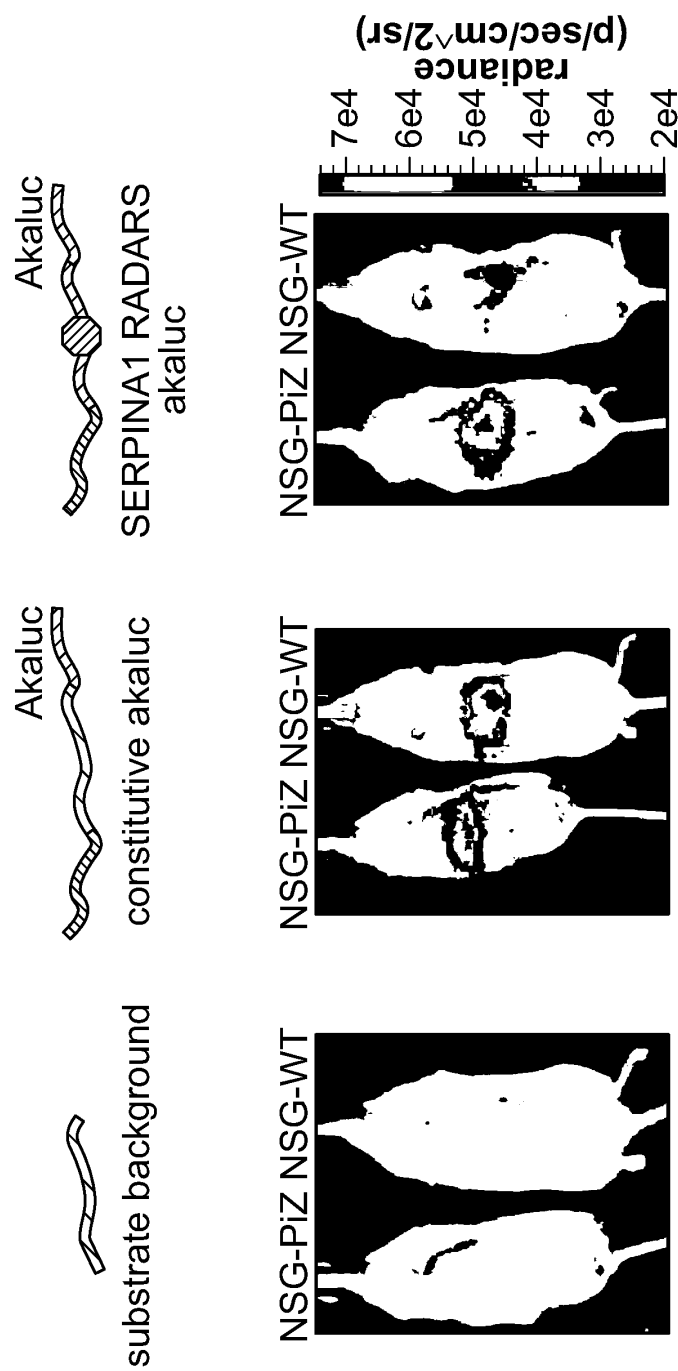


FIG. 71A

103/111

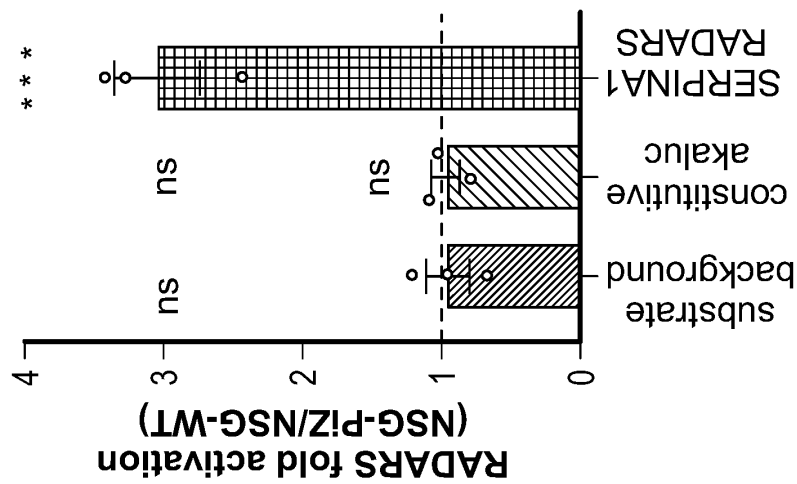


FIG. 71C

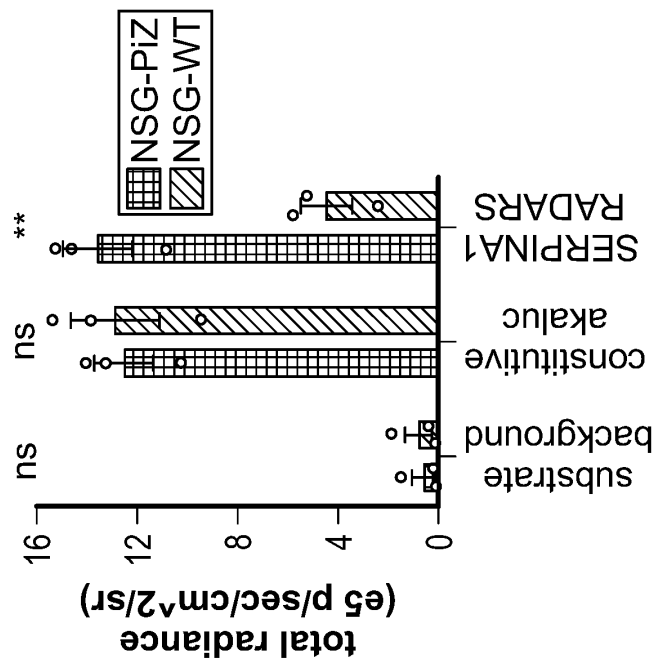


FIG. 71B

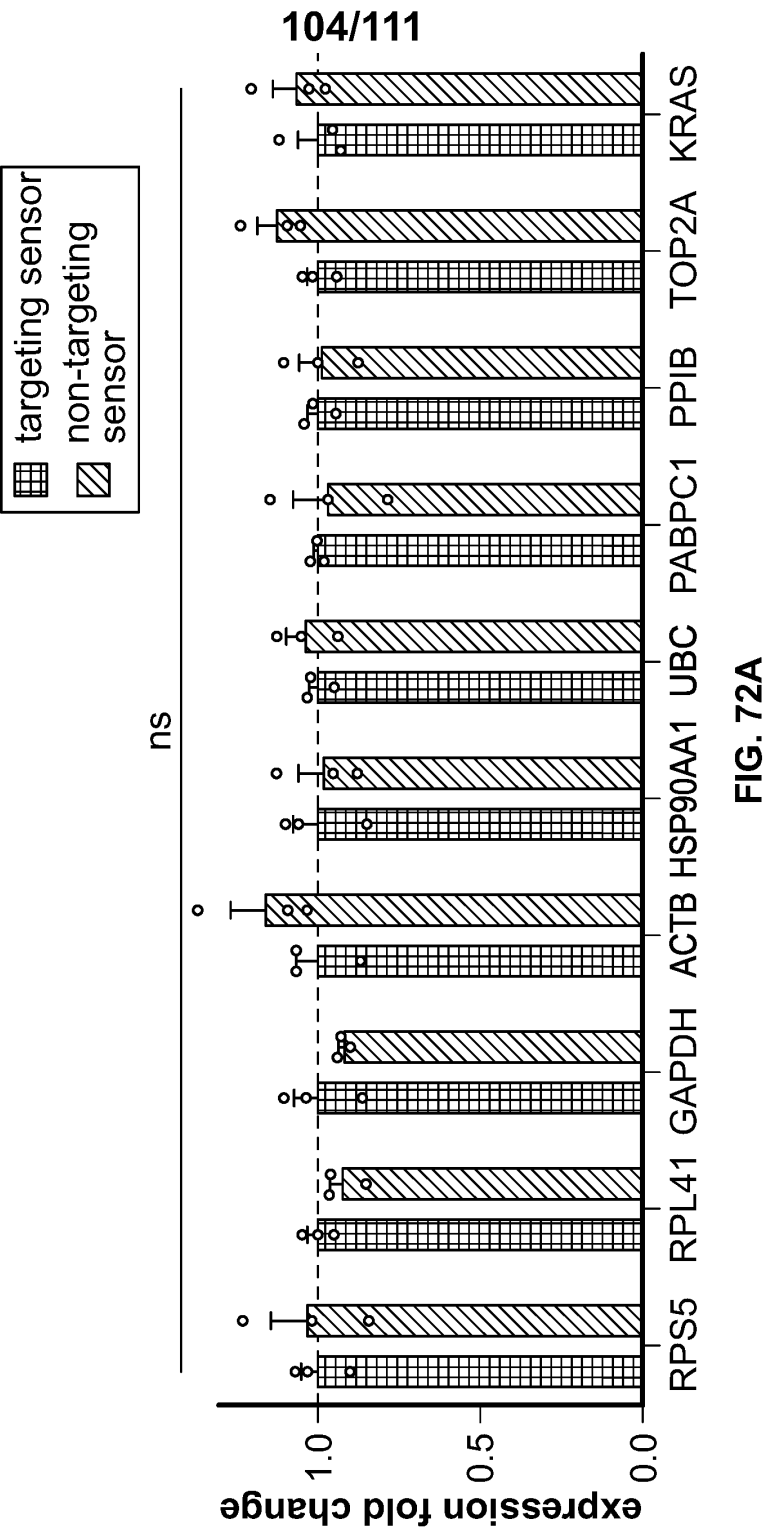
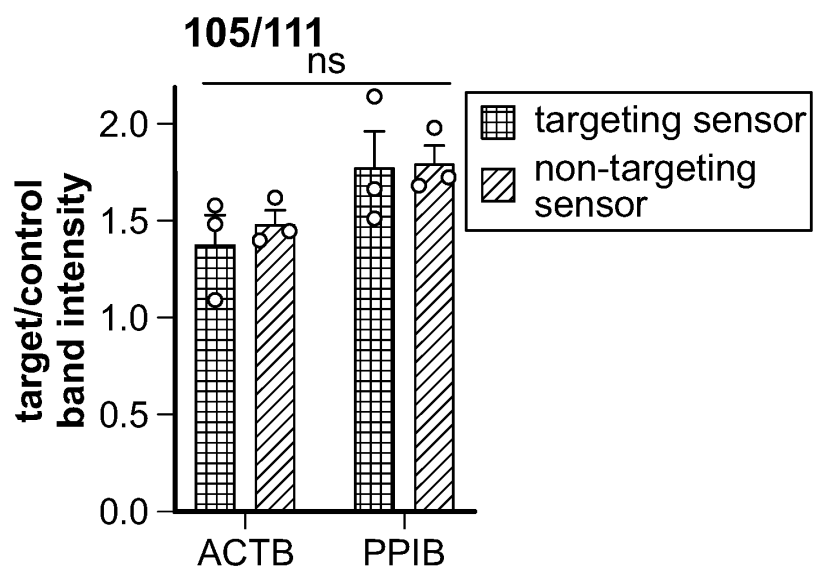
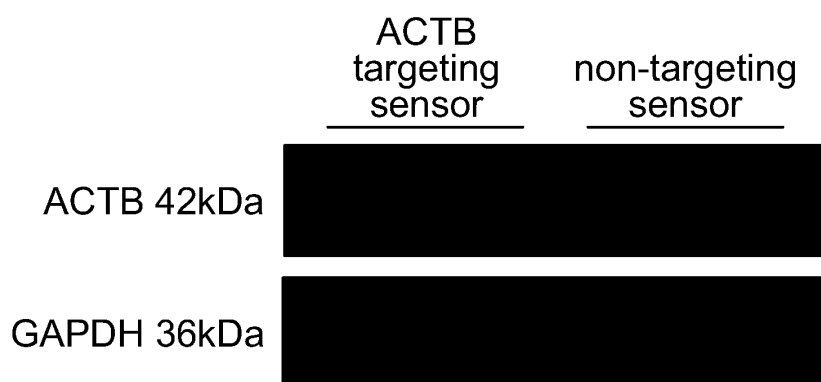
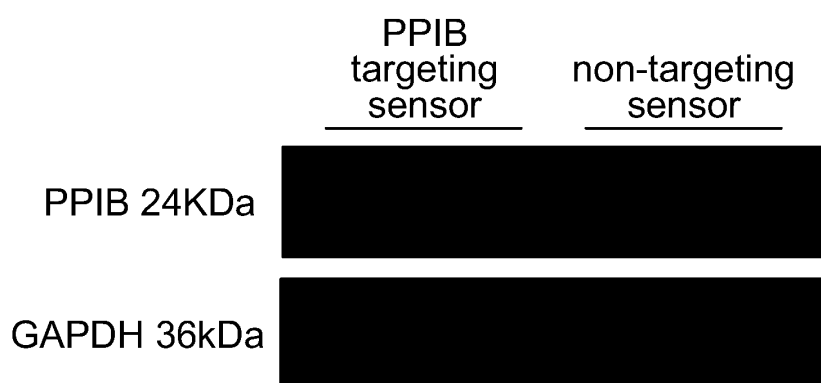
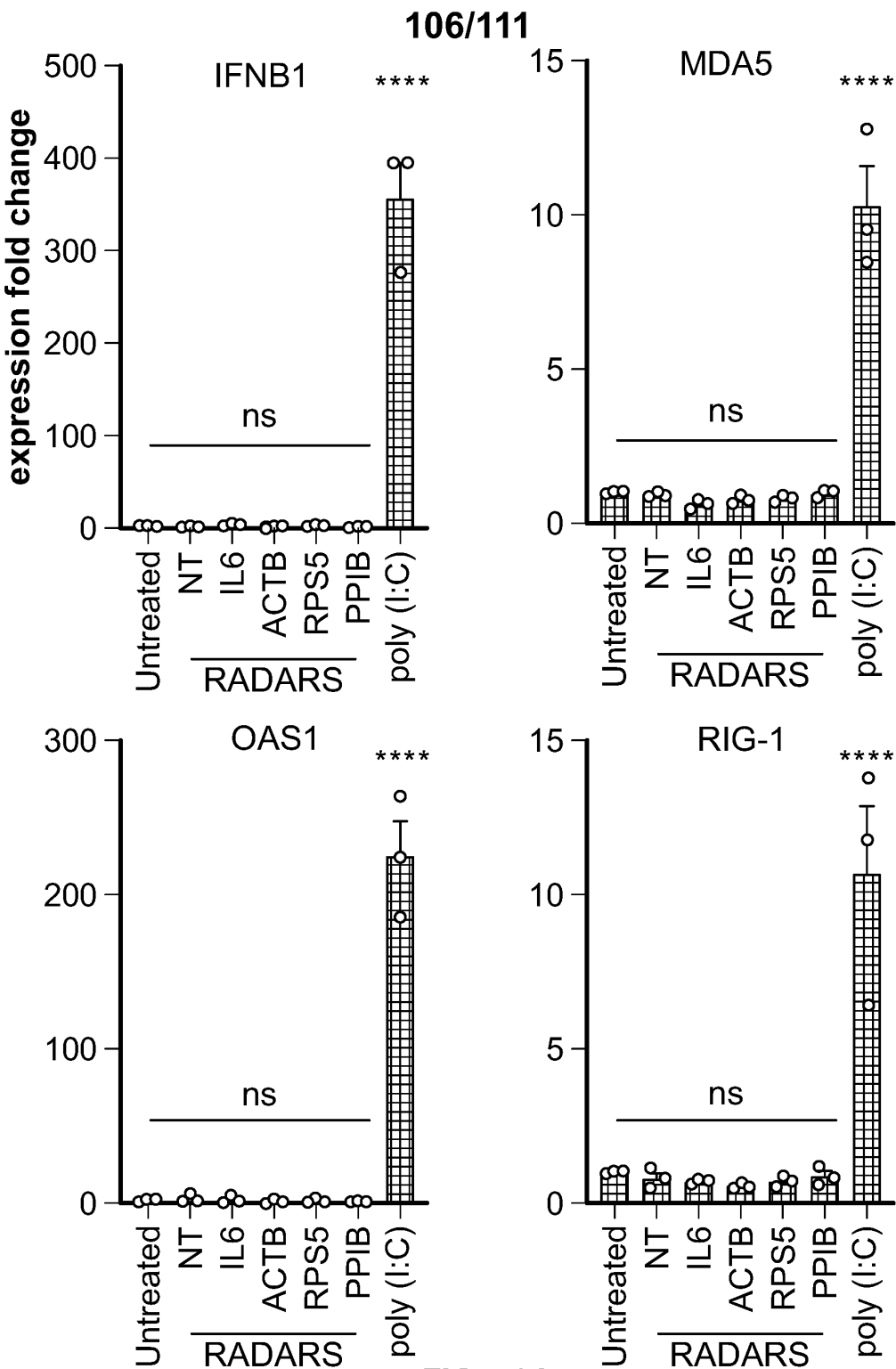


FIG. 72A

**FIG. 72B****FIG. 72C****FIG. 72D**



107/111

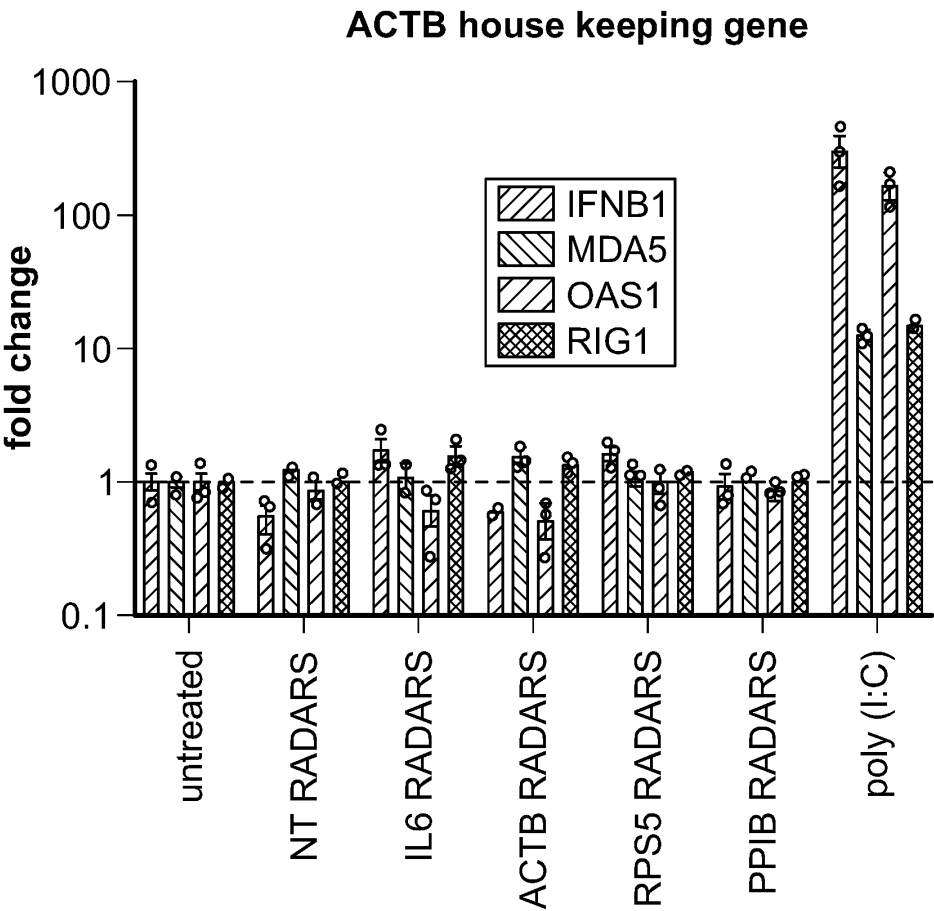


FIG. 73B

108/111

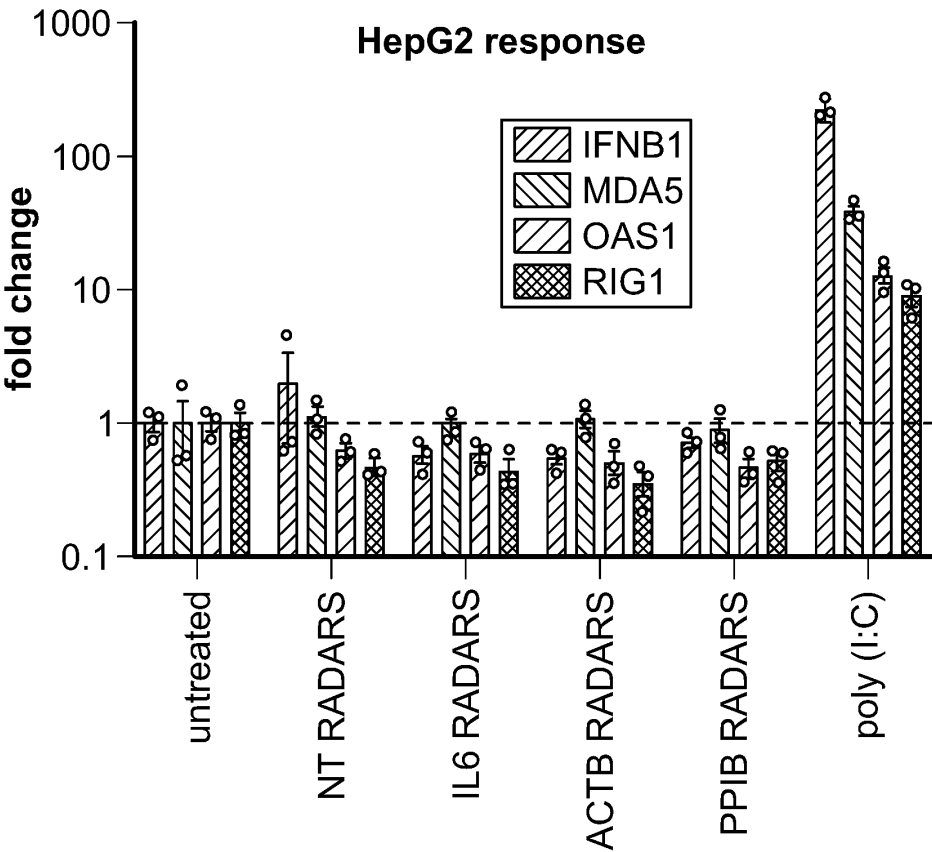


FIG. 73C

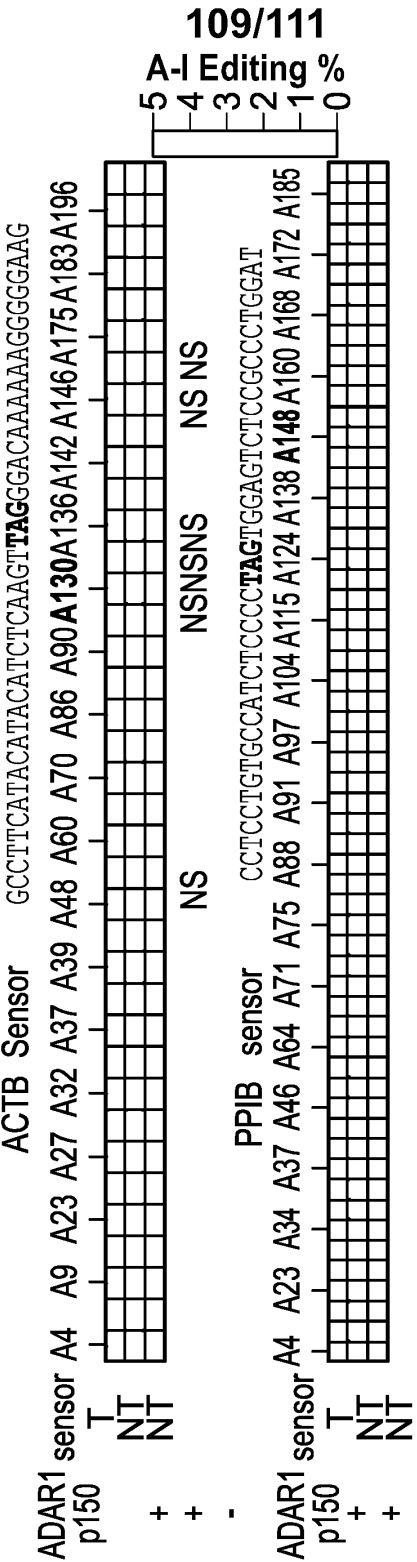


FIG. 74A

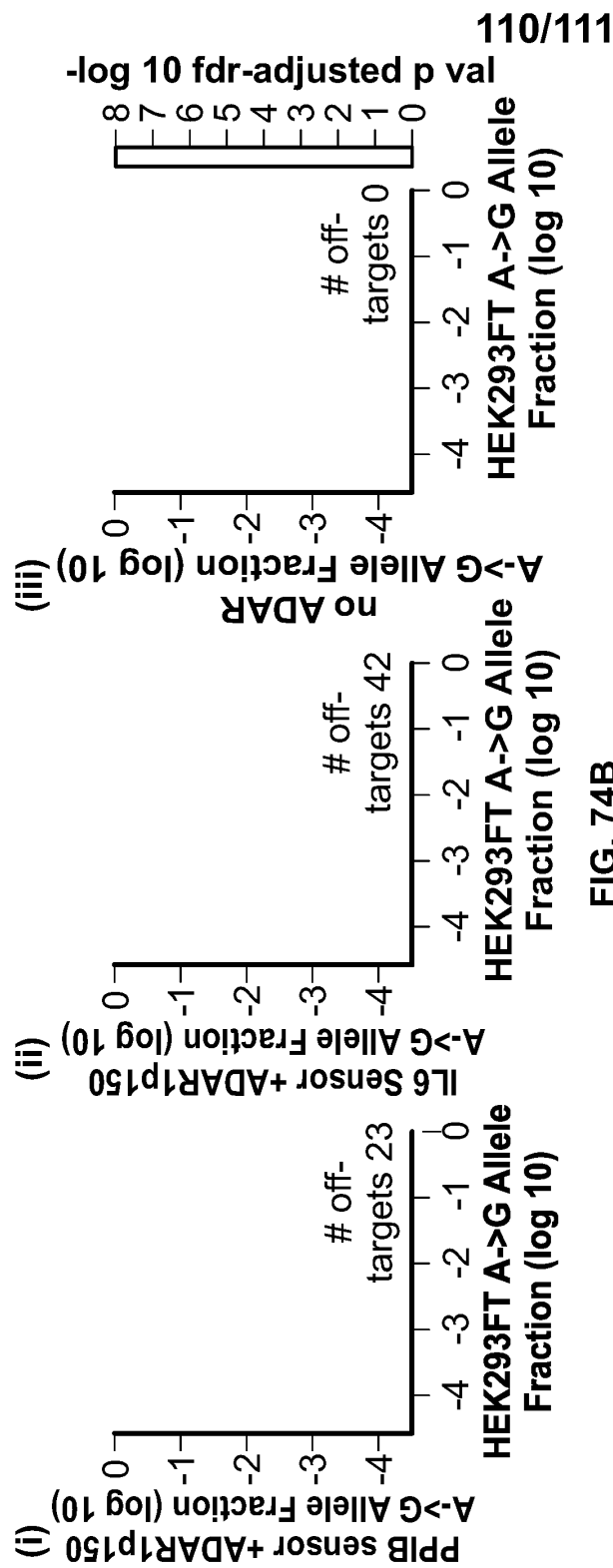
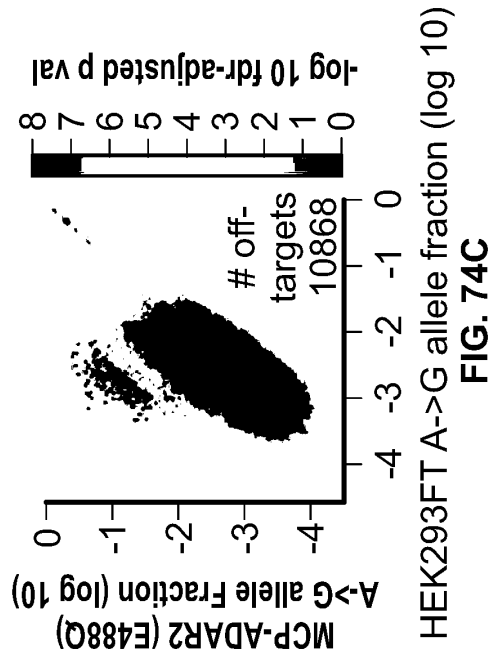
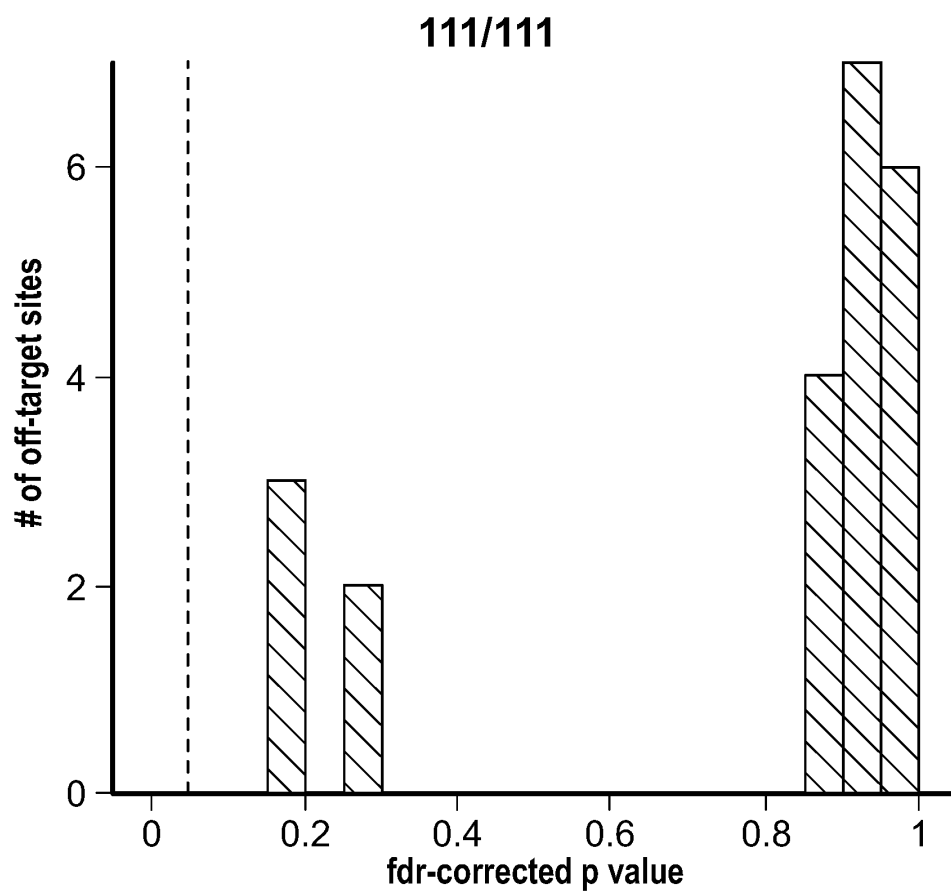
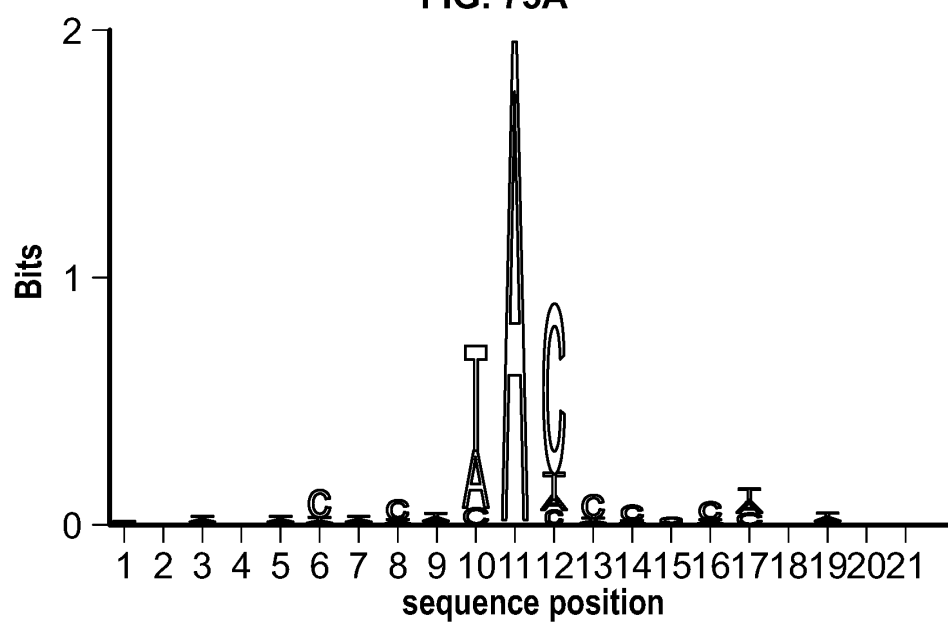


FIG. 74B



**FIG. 75A****FIG. 75B**