

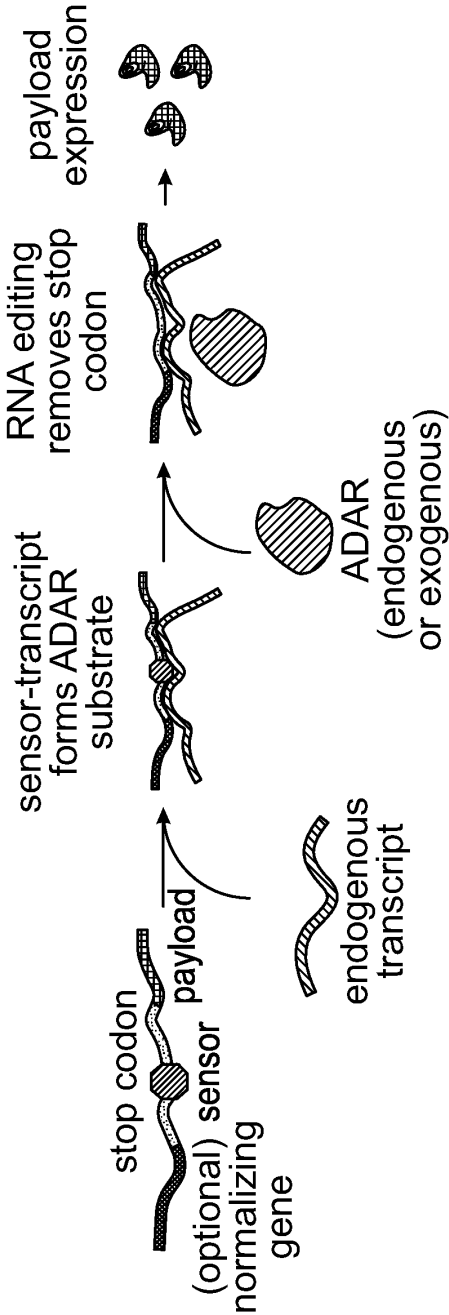


FIG. 1

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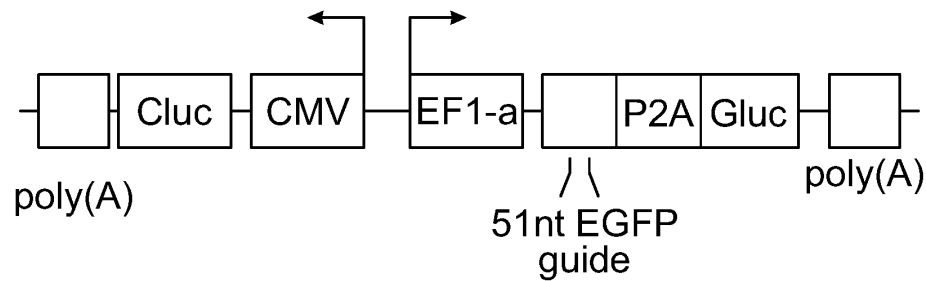


FIG. 2A

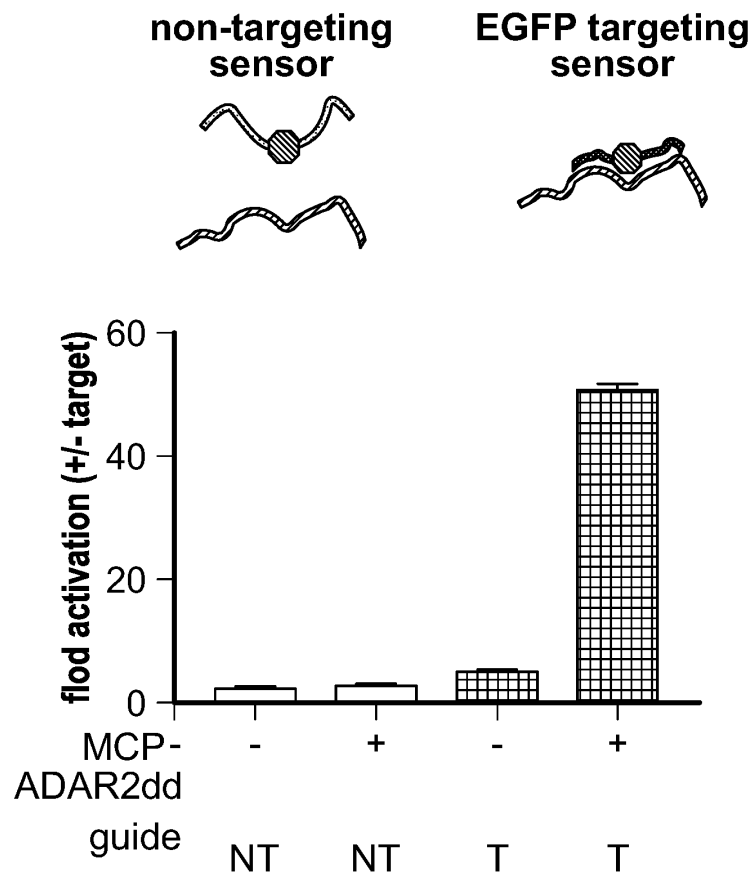


FIG. 2B

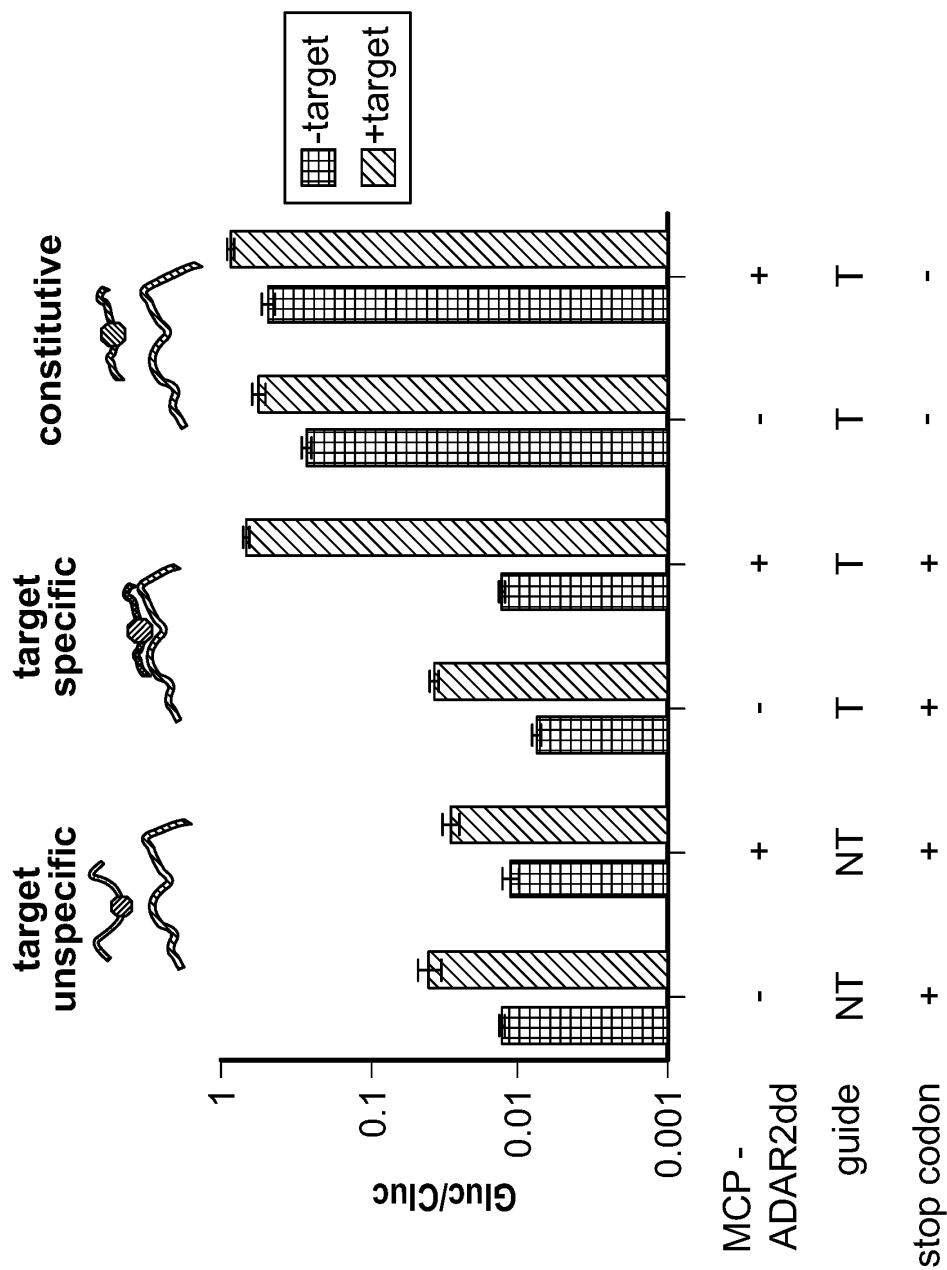


FIG. 2C

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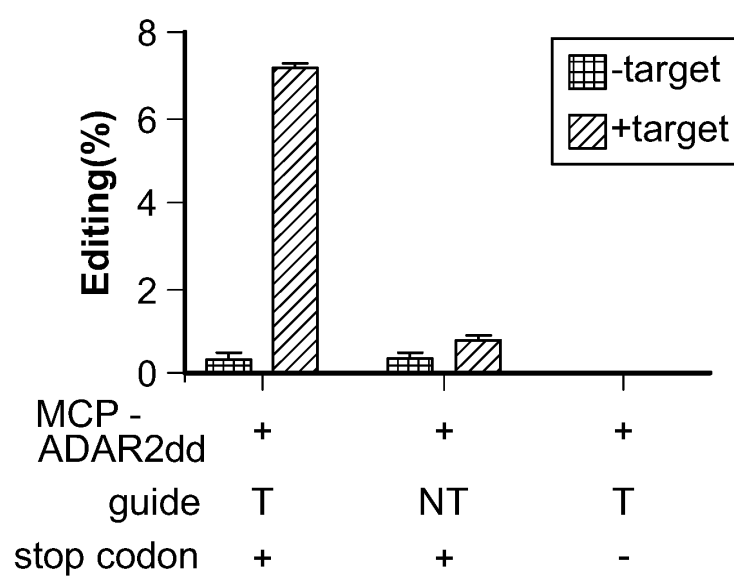


FIG. 2D

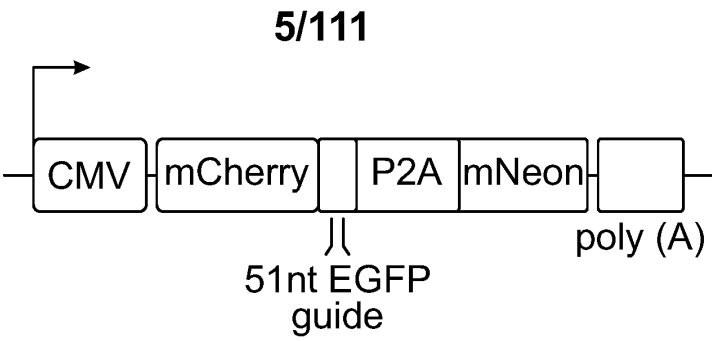


FIG. 3A

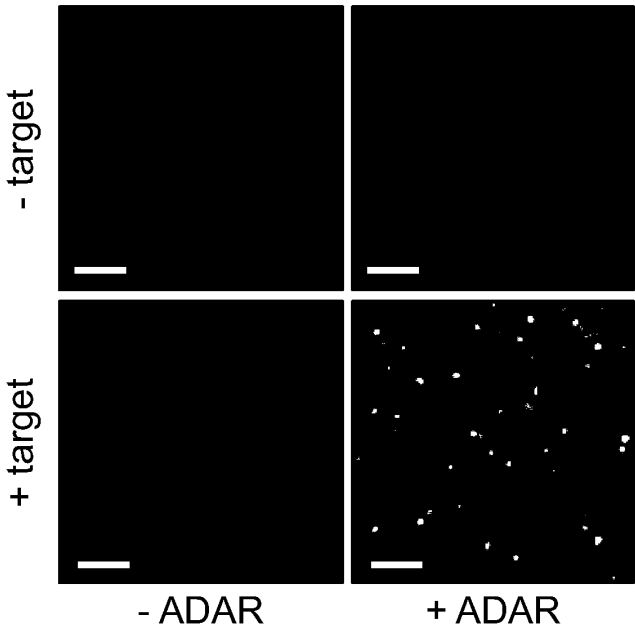


FIG. 3B

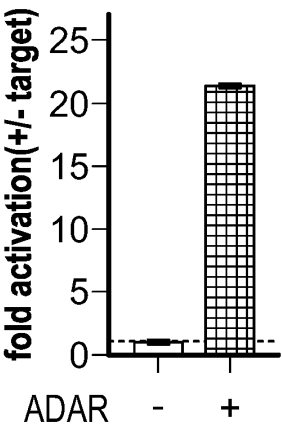


FIG. 3C

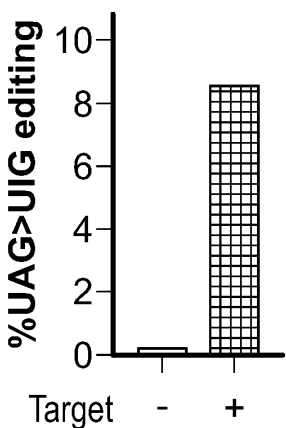


FIG. 3D

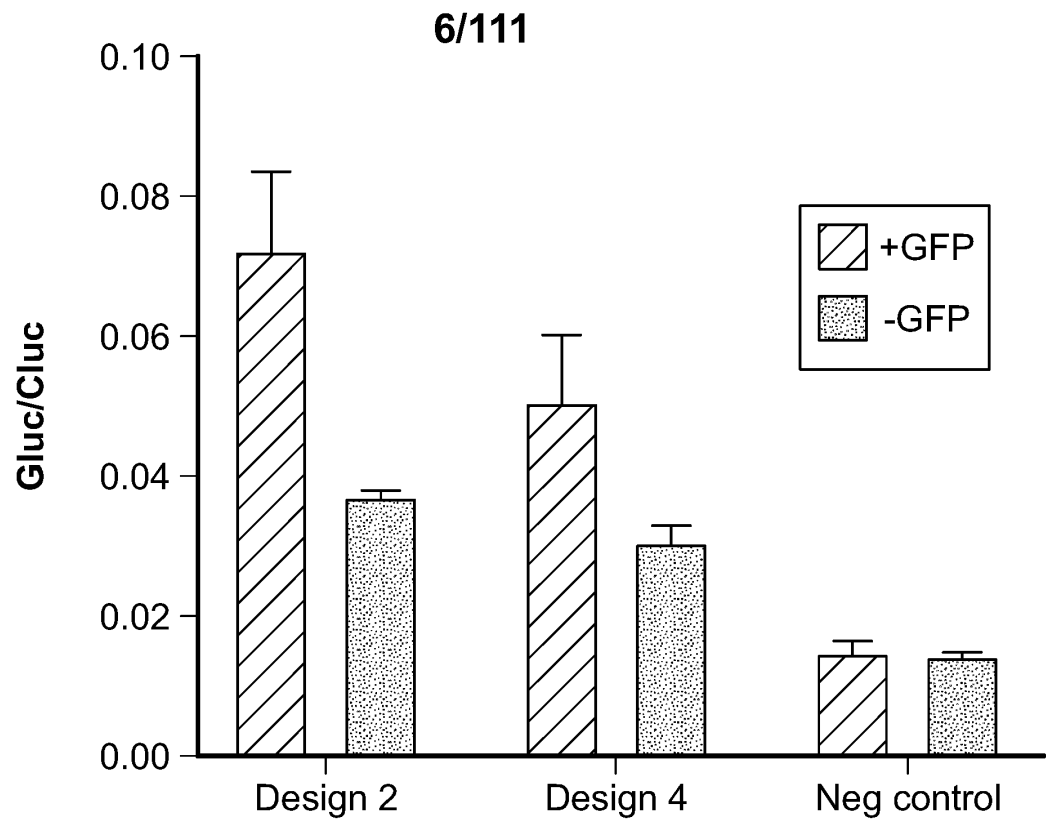


FIG. 4A

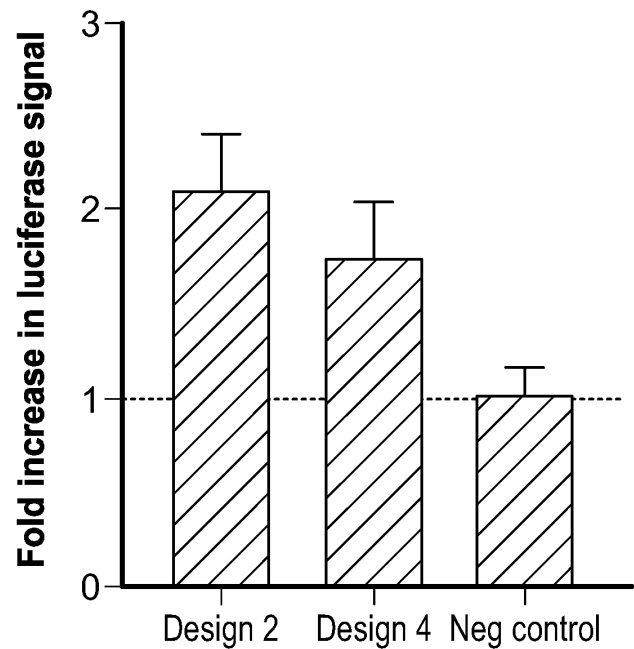


FIG. 4B

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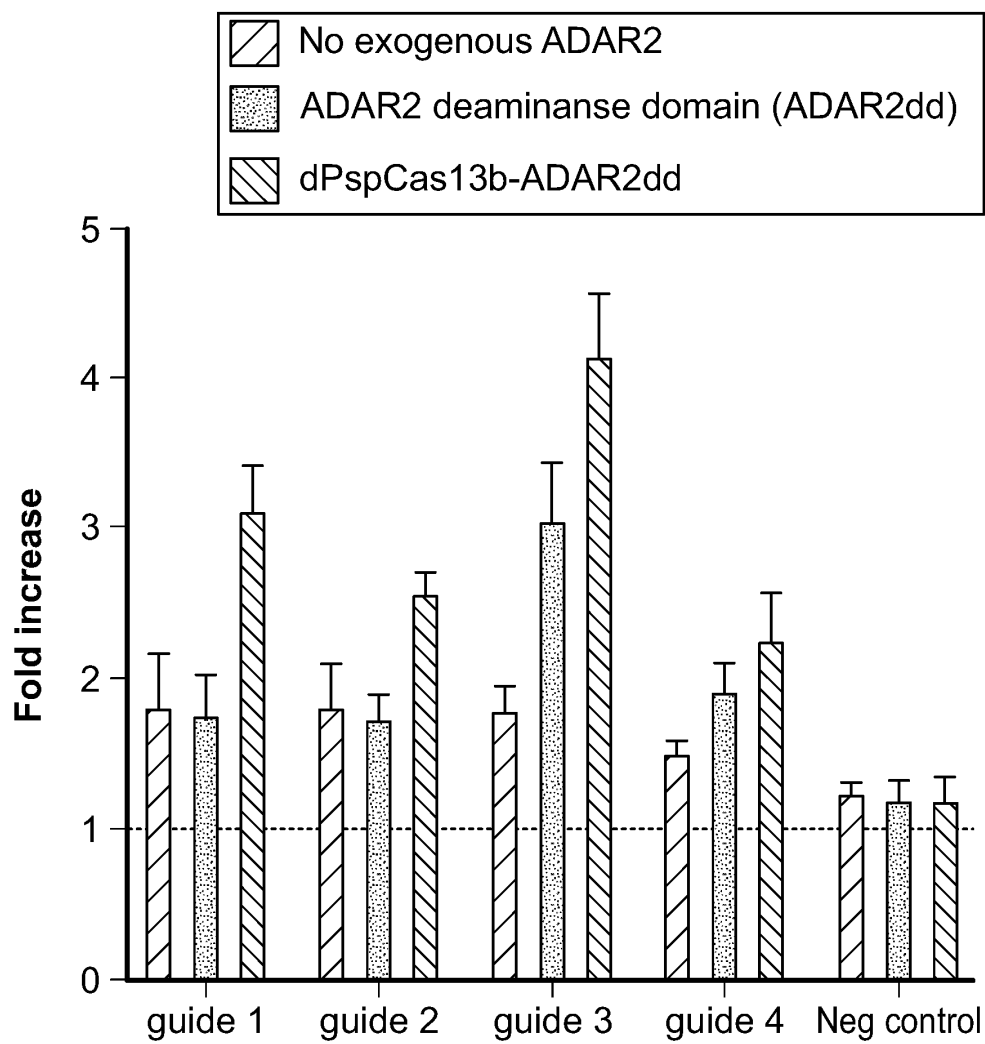


FIG. 5

ADAR variant and catalytic site mutation screen fold change

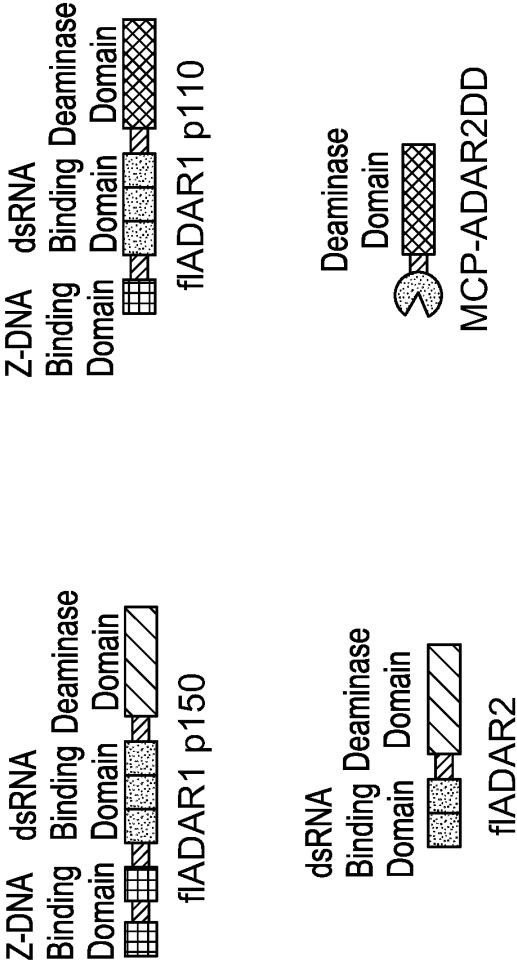


FIG. 6A

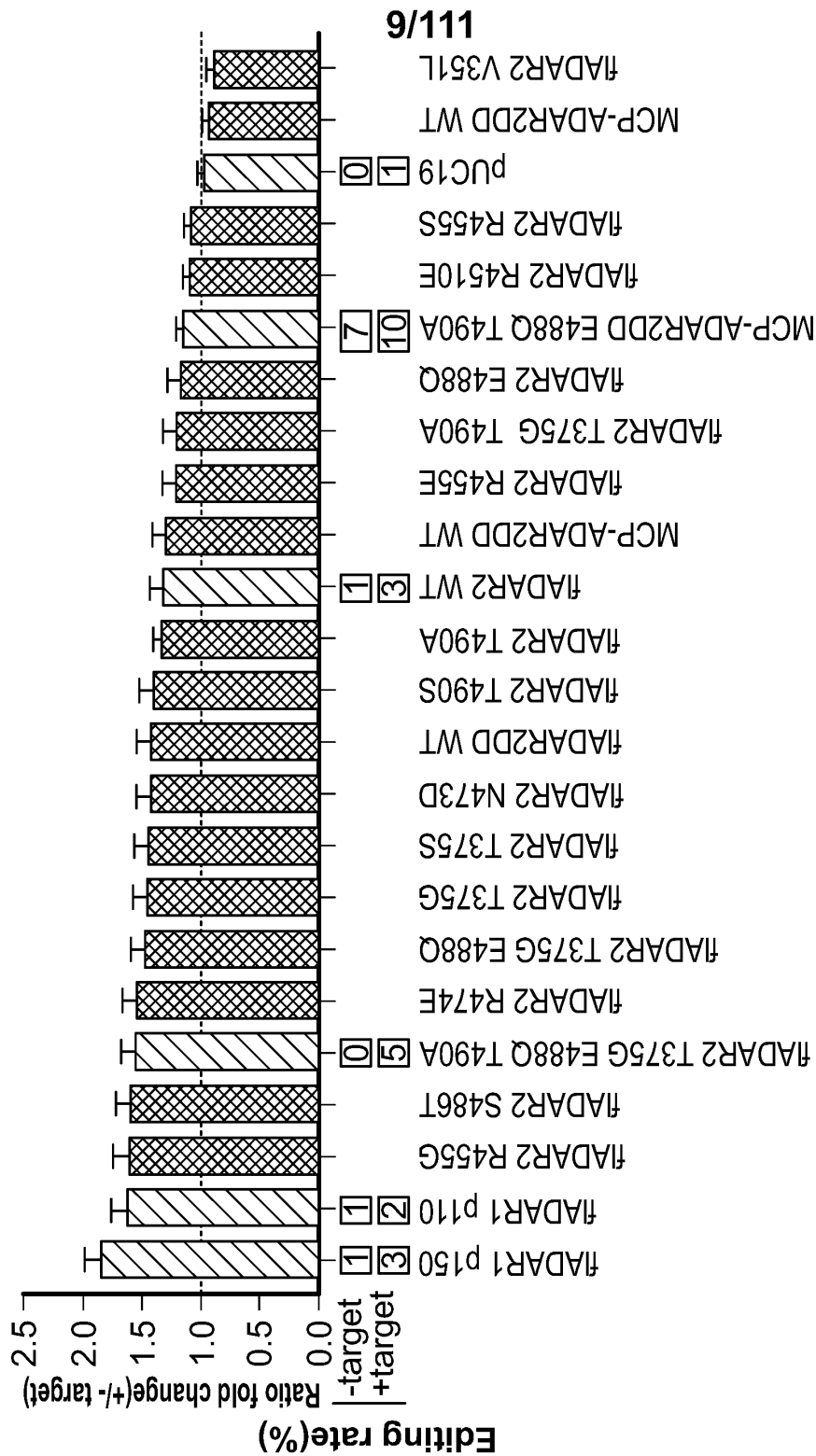
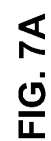


FIG. 6B



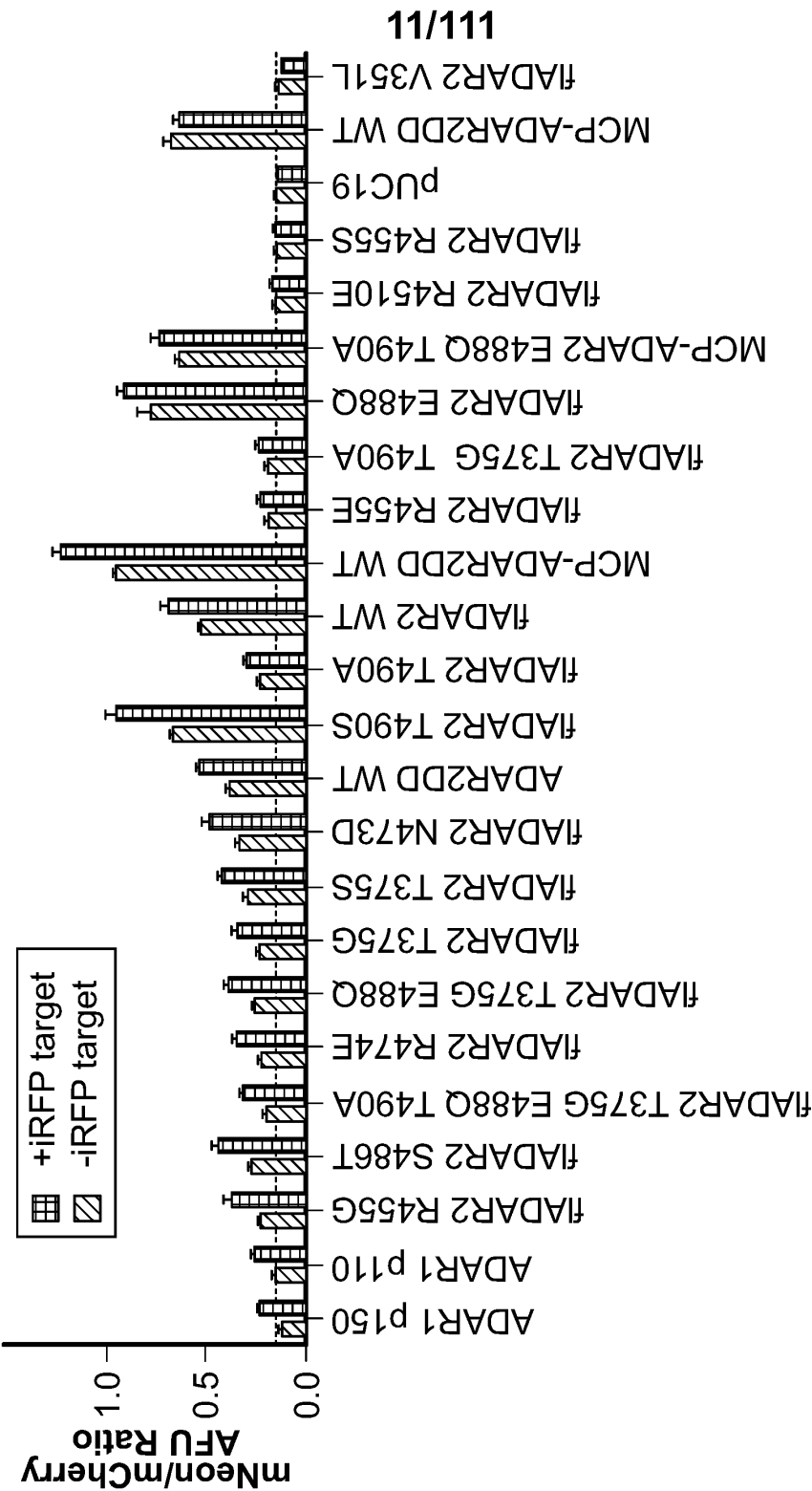


FIG. 7B

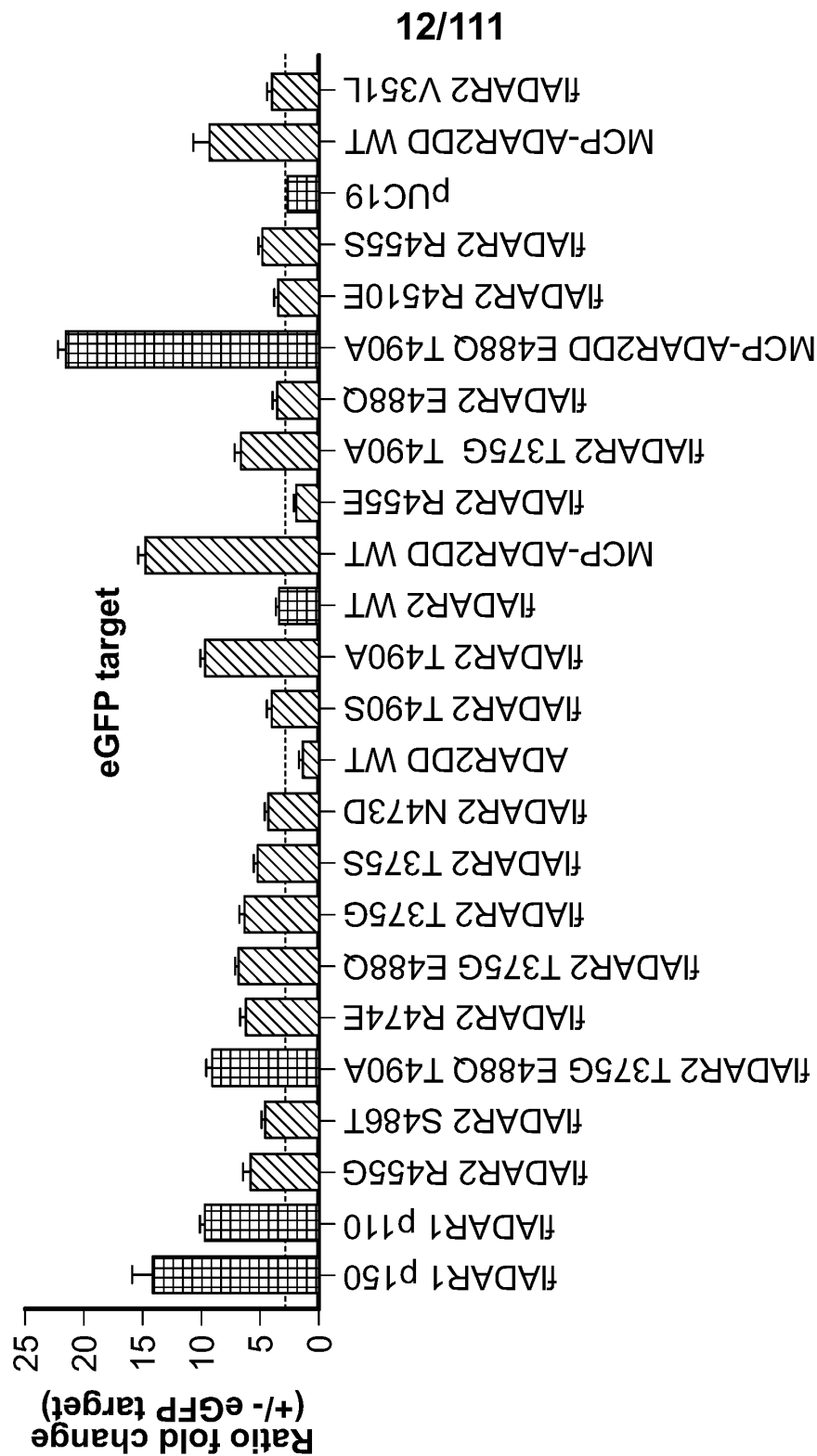


FIG. 7C

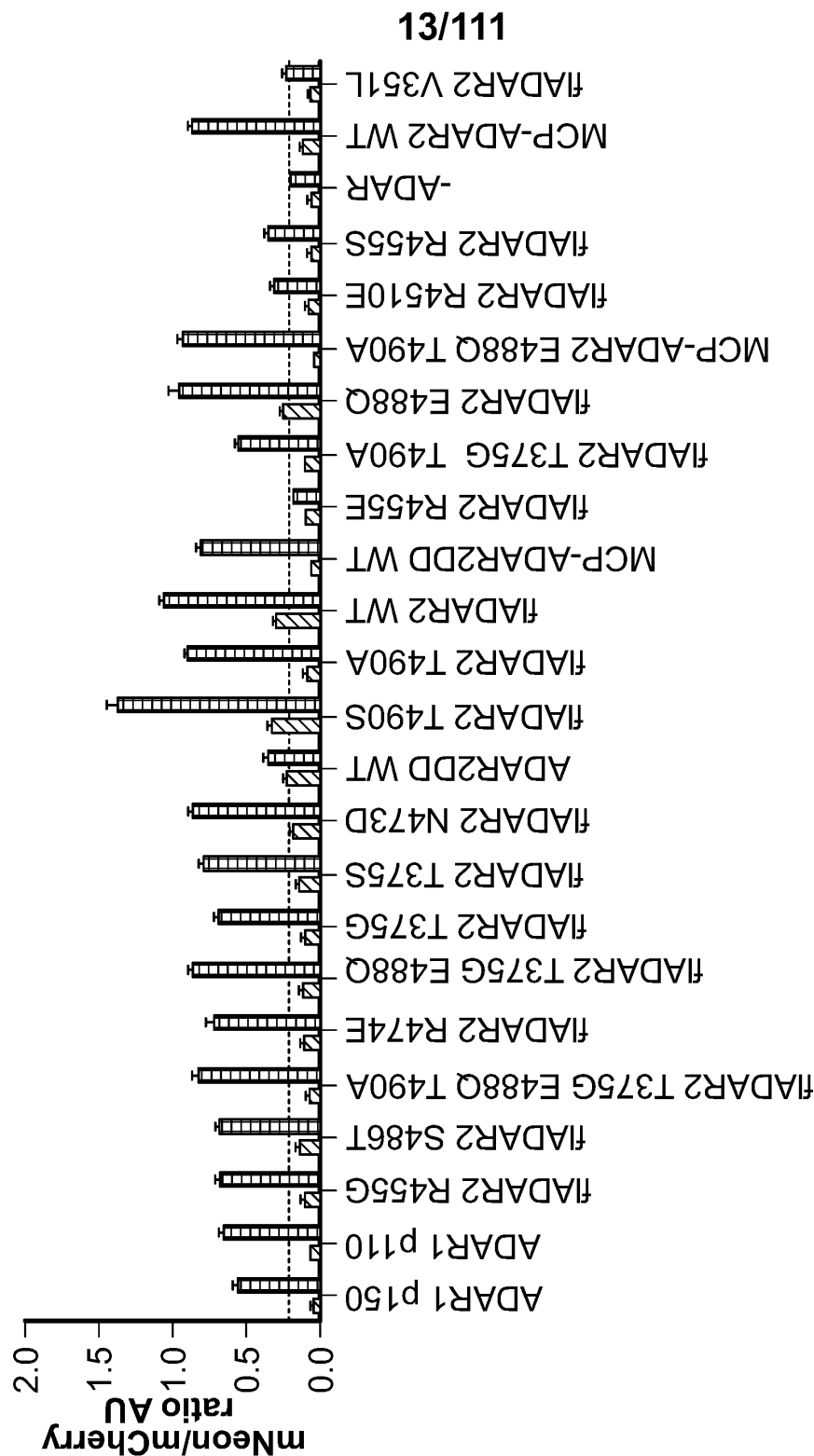


FIG. 7D

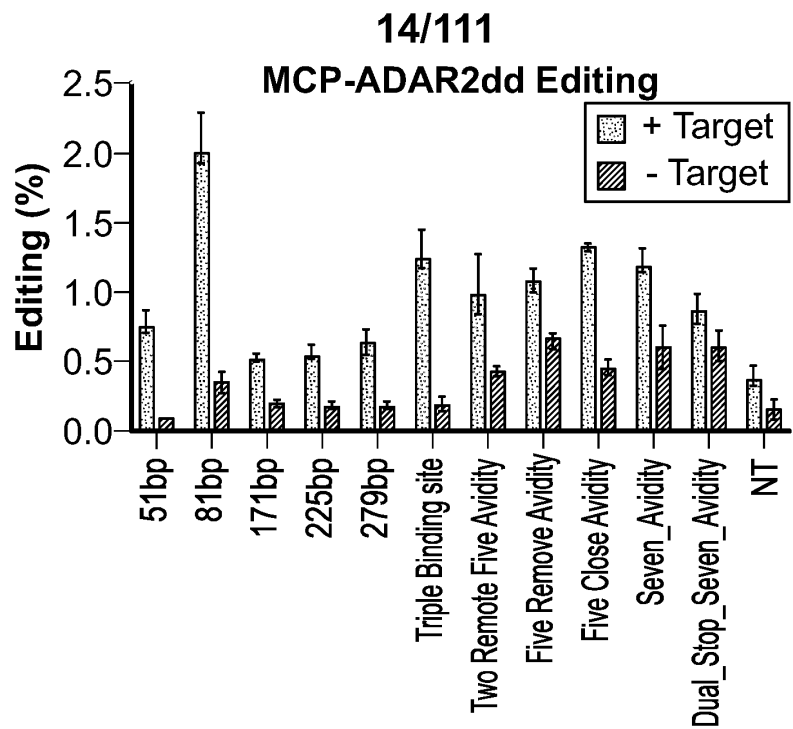


FIG. 8A

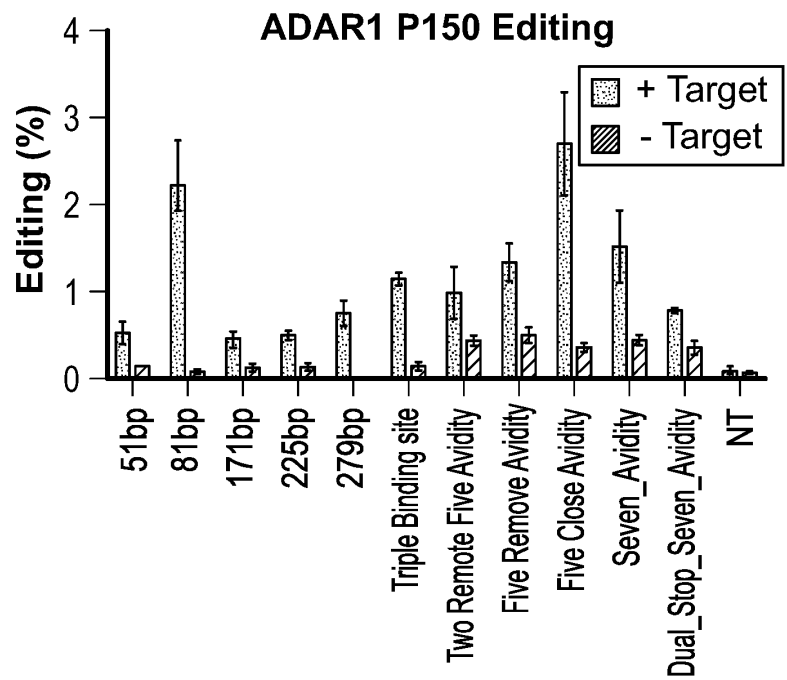


FIG. 8B

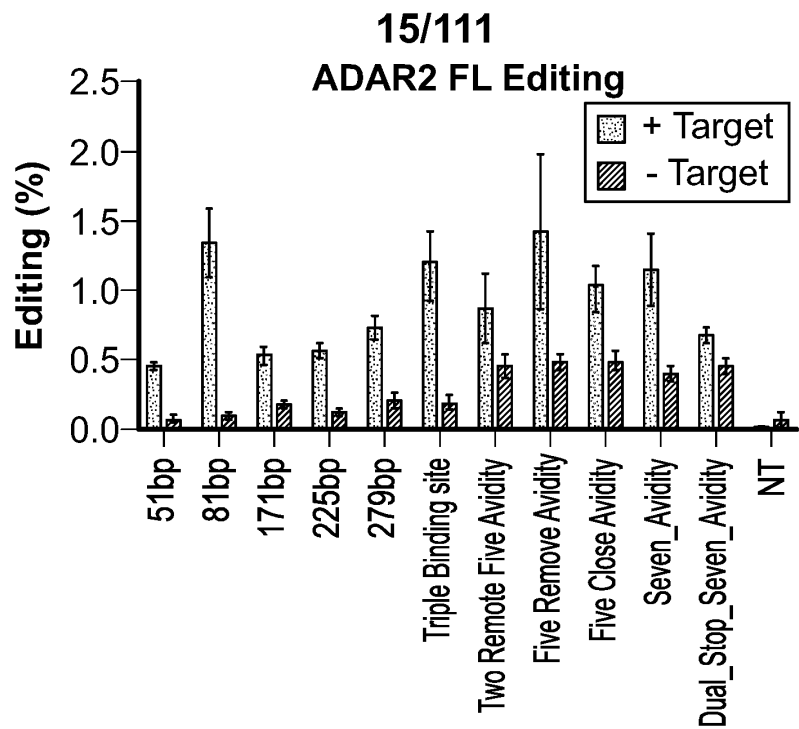


FIG. 8C

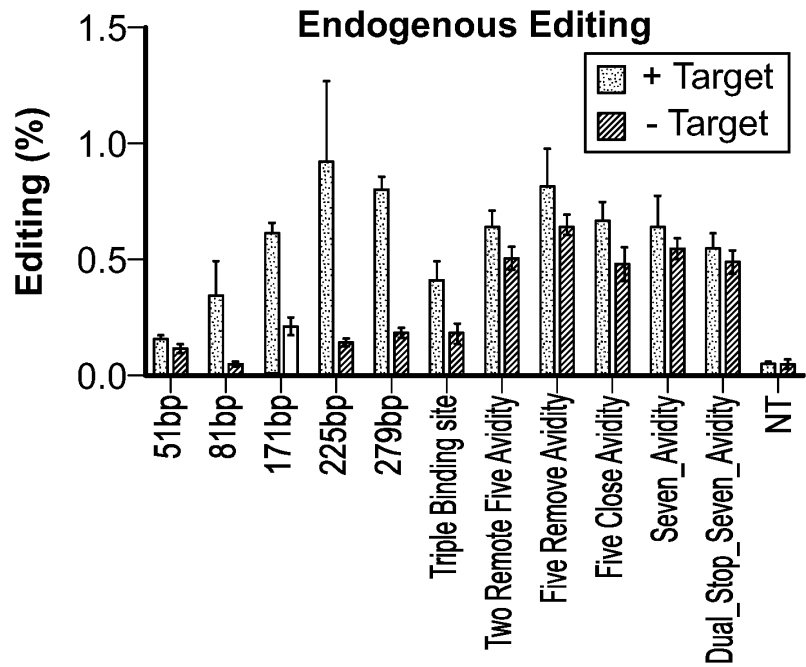


FIG. 8D

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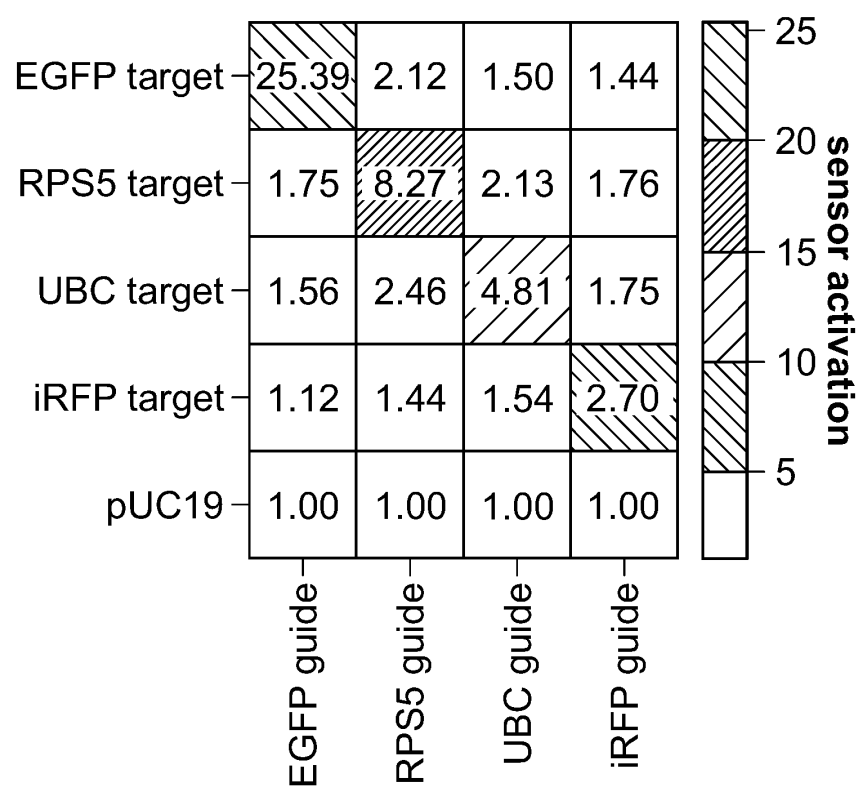
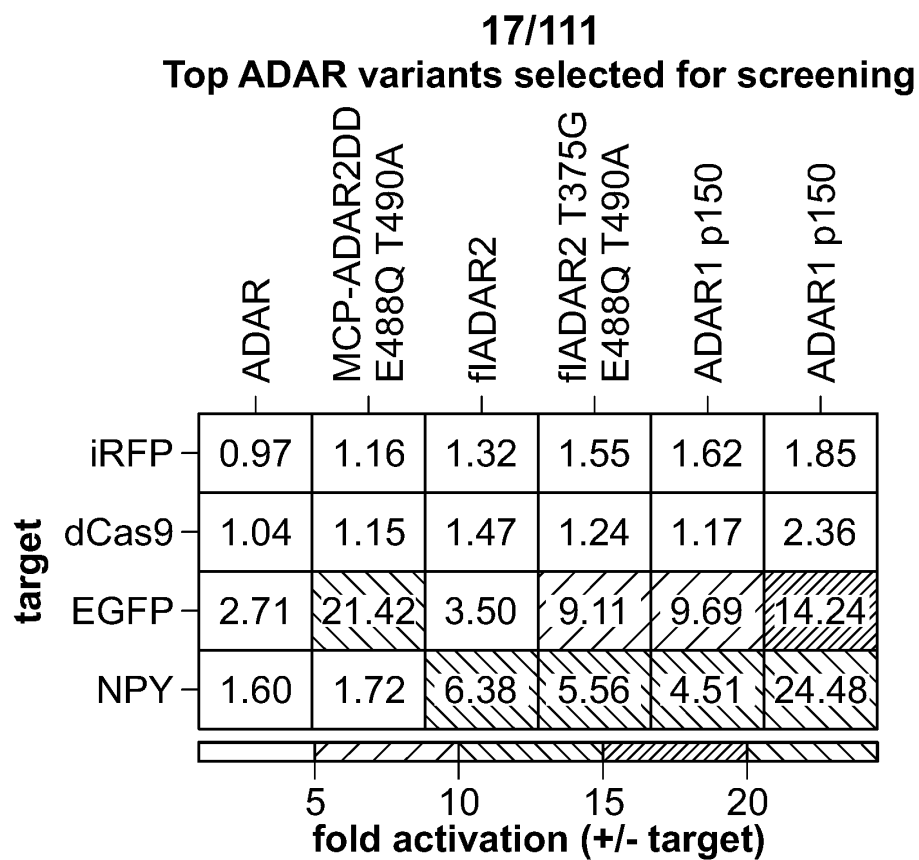
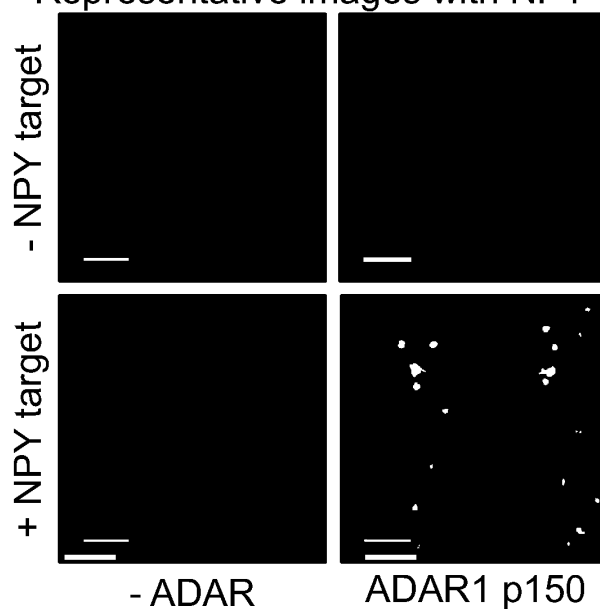


FIG. 9

**FIG. 10A**

Representative images with NPY target

**FIG. 10B**

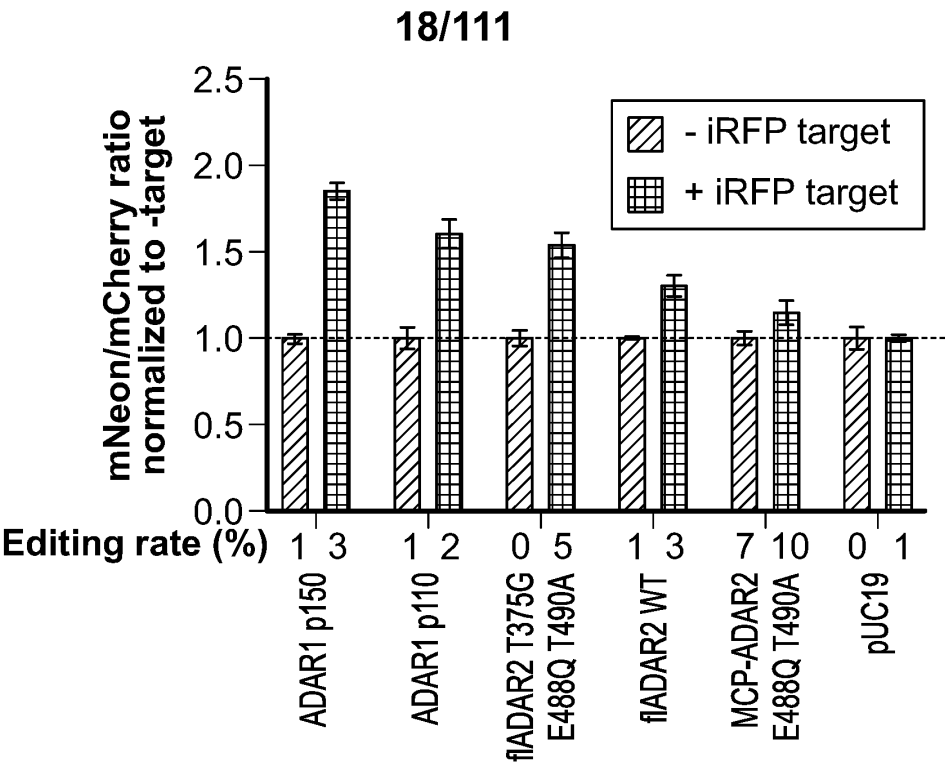


FIG. 11A

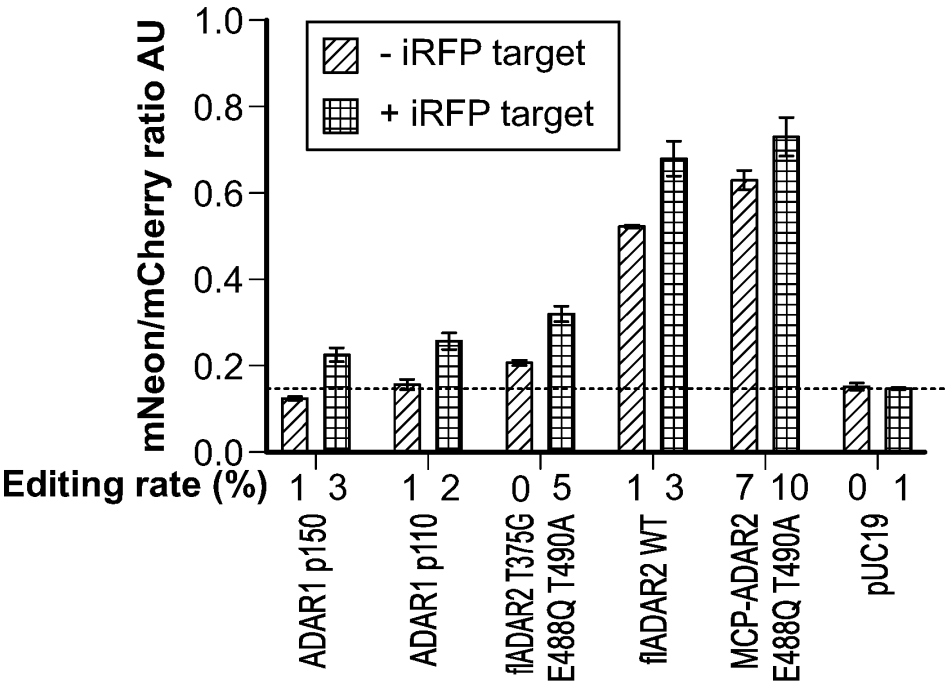


FIG. 11B

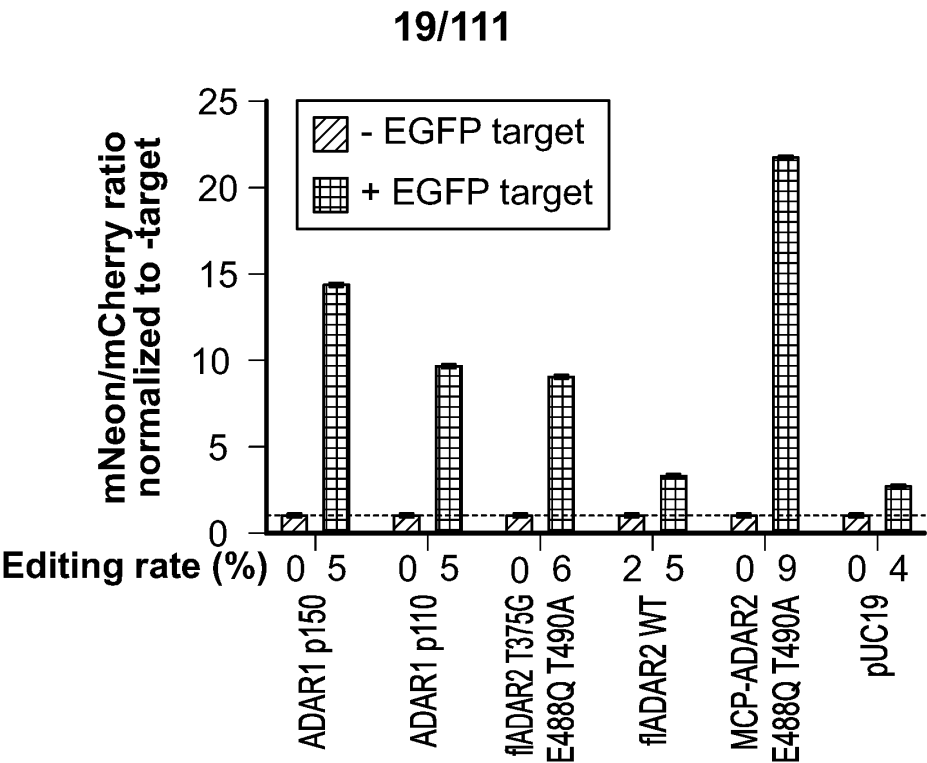


FIG. 11C

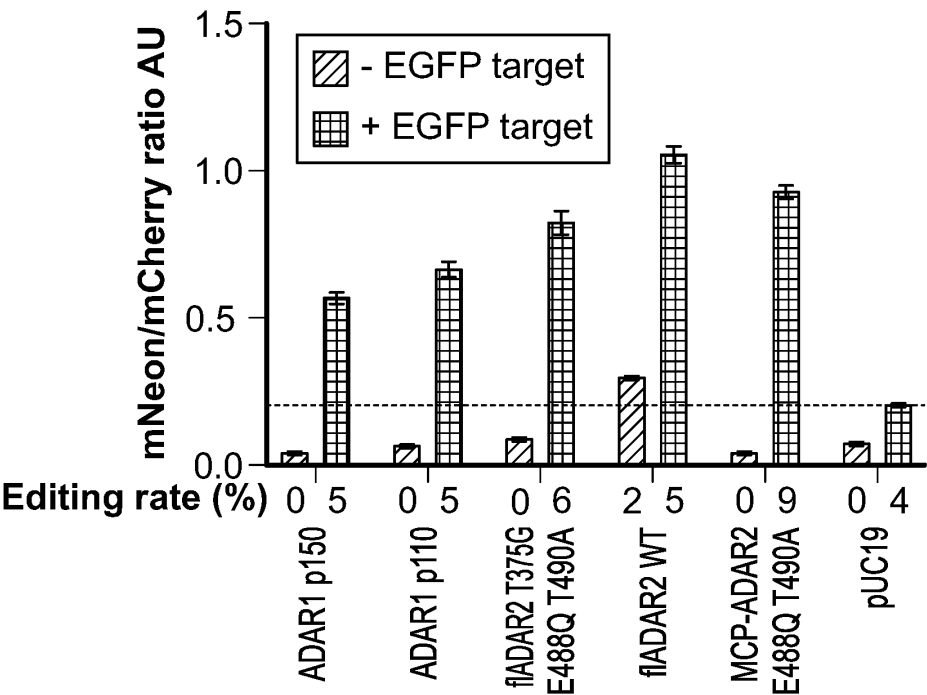


FIG. 11D

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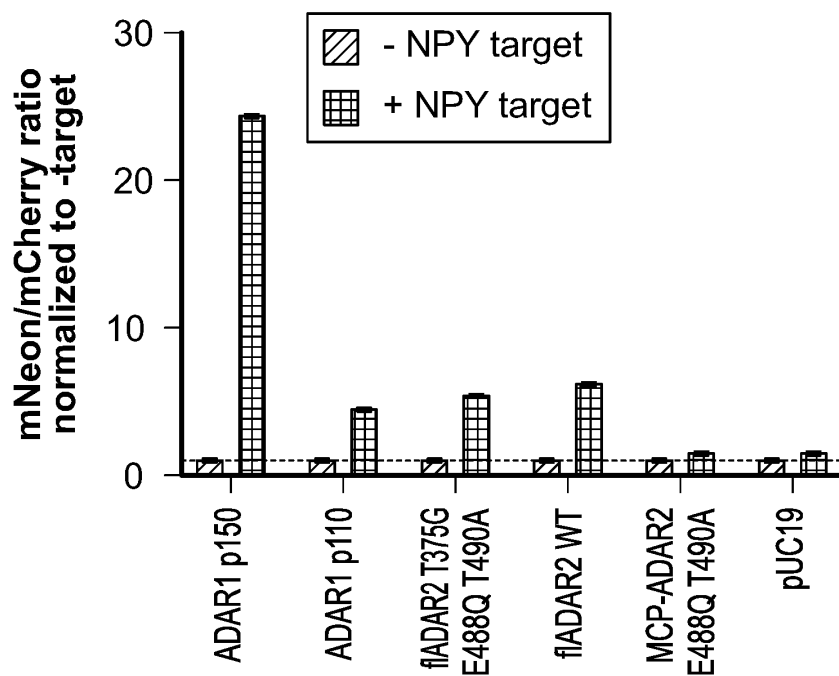


FIG. 11E

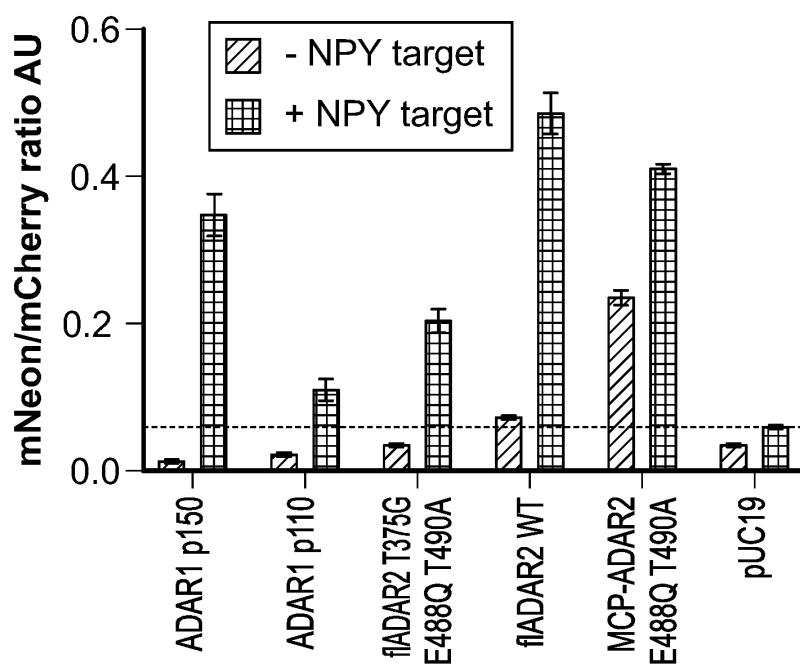


FIG. 11F

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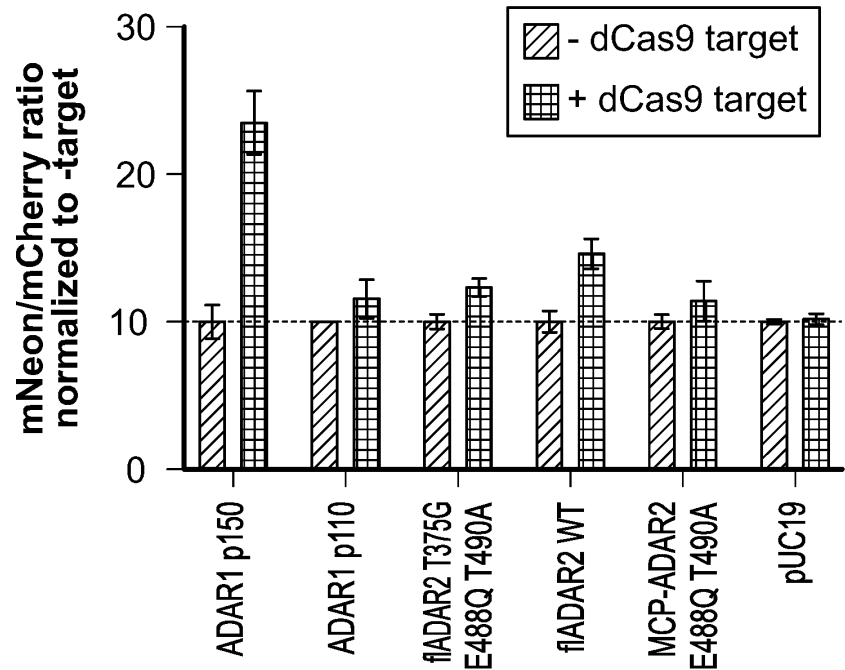


FIG. 11G

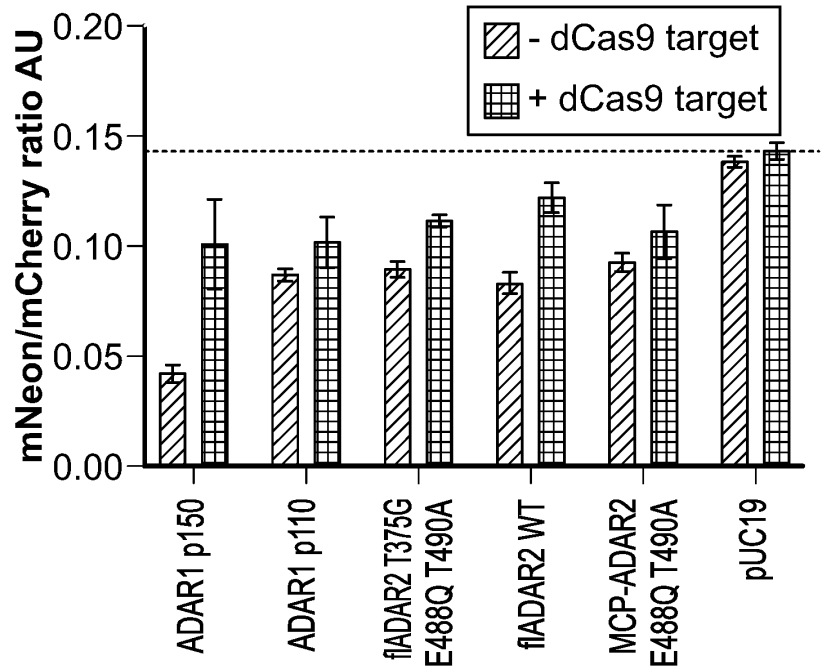


FIG. 11H

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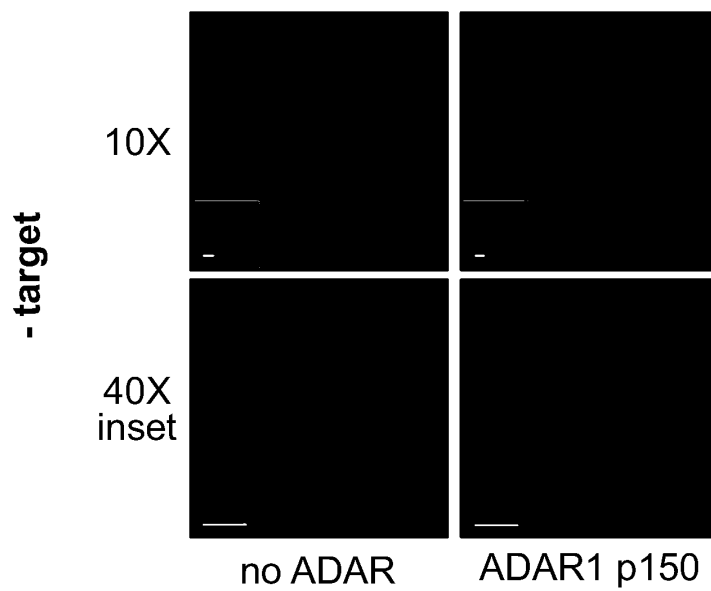


FIG. 12A

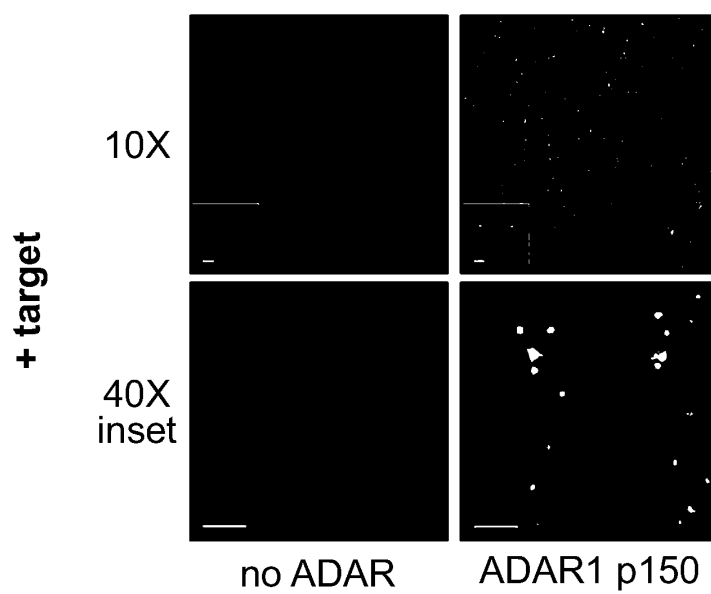


FIG. 12B

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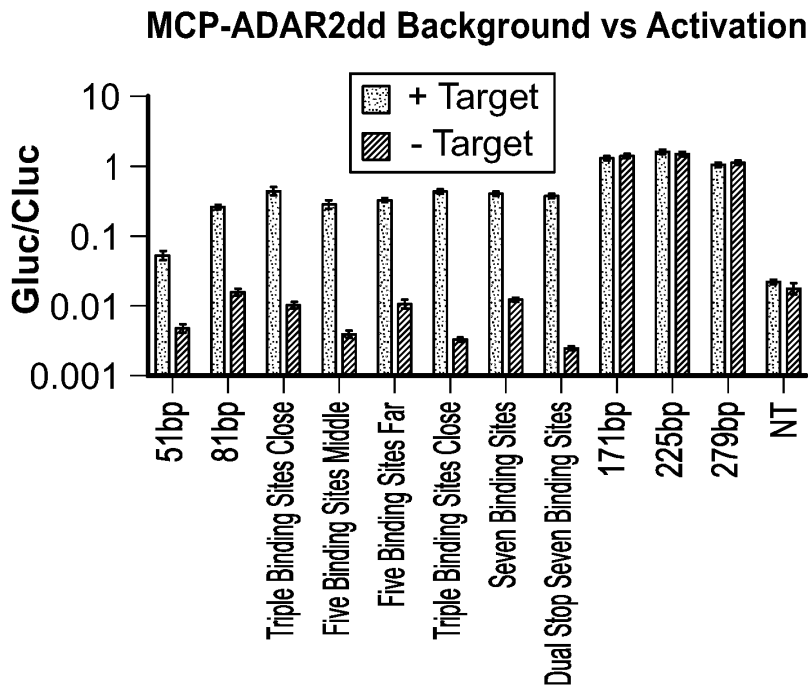


FIG. 13A

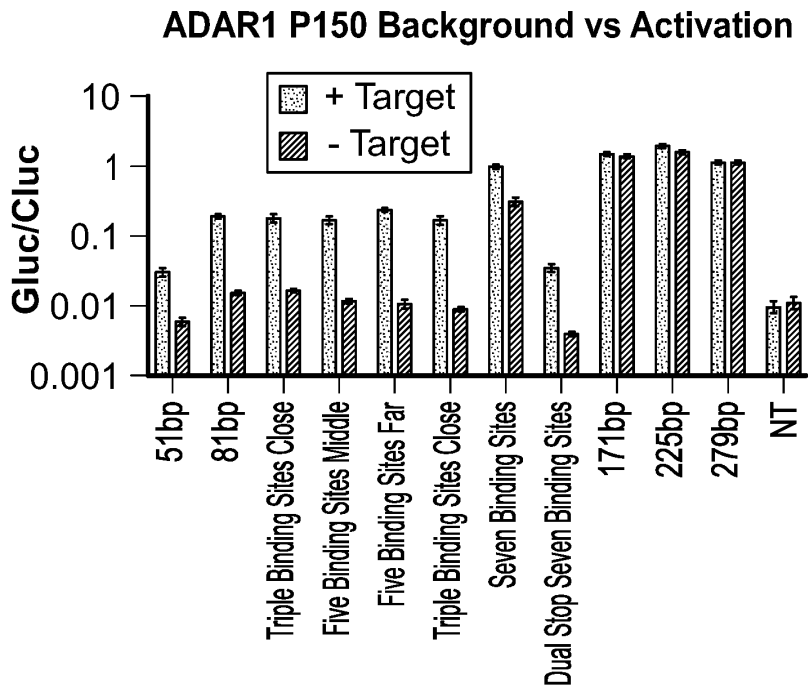


FIG. 13B

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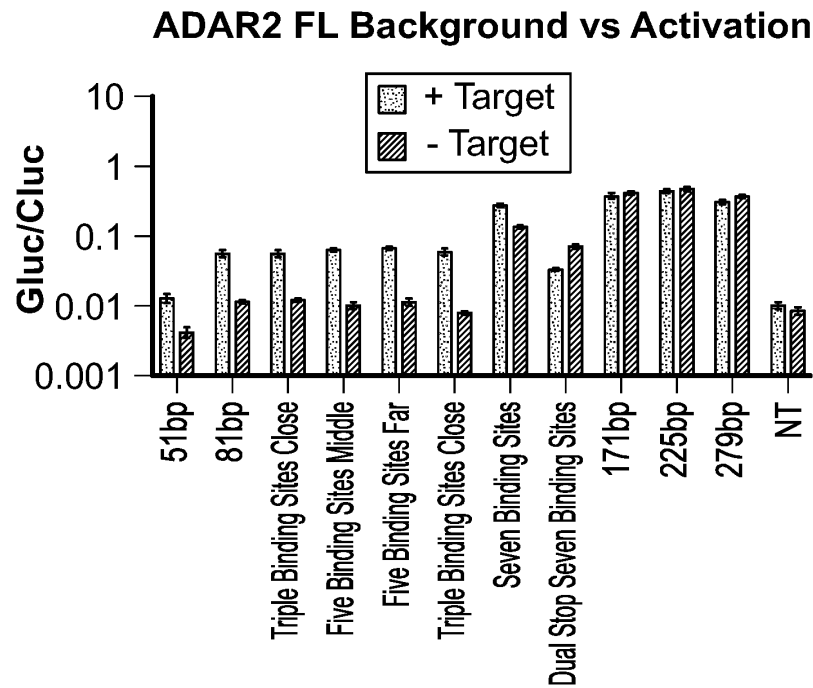


FIG. 13C

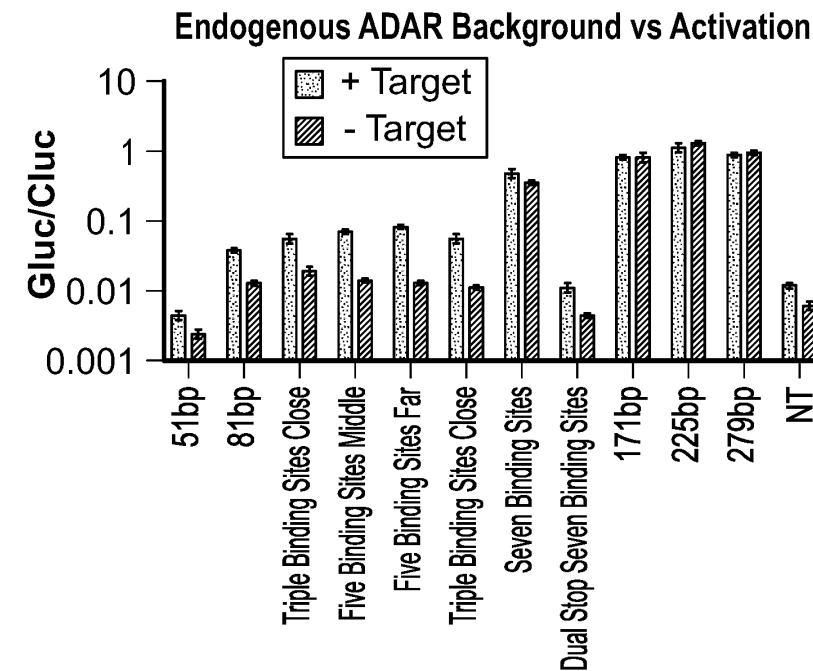


FIG. 13D

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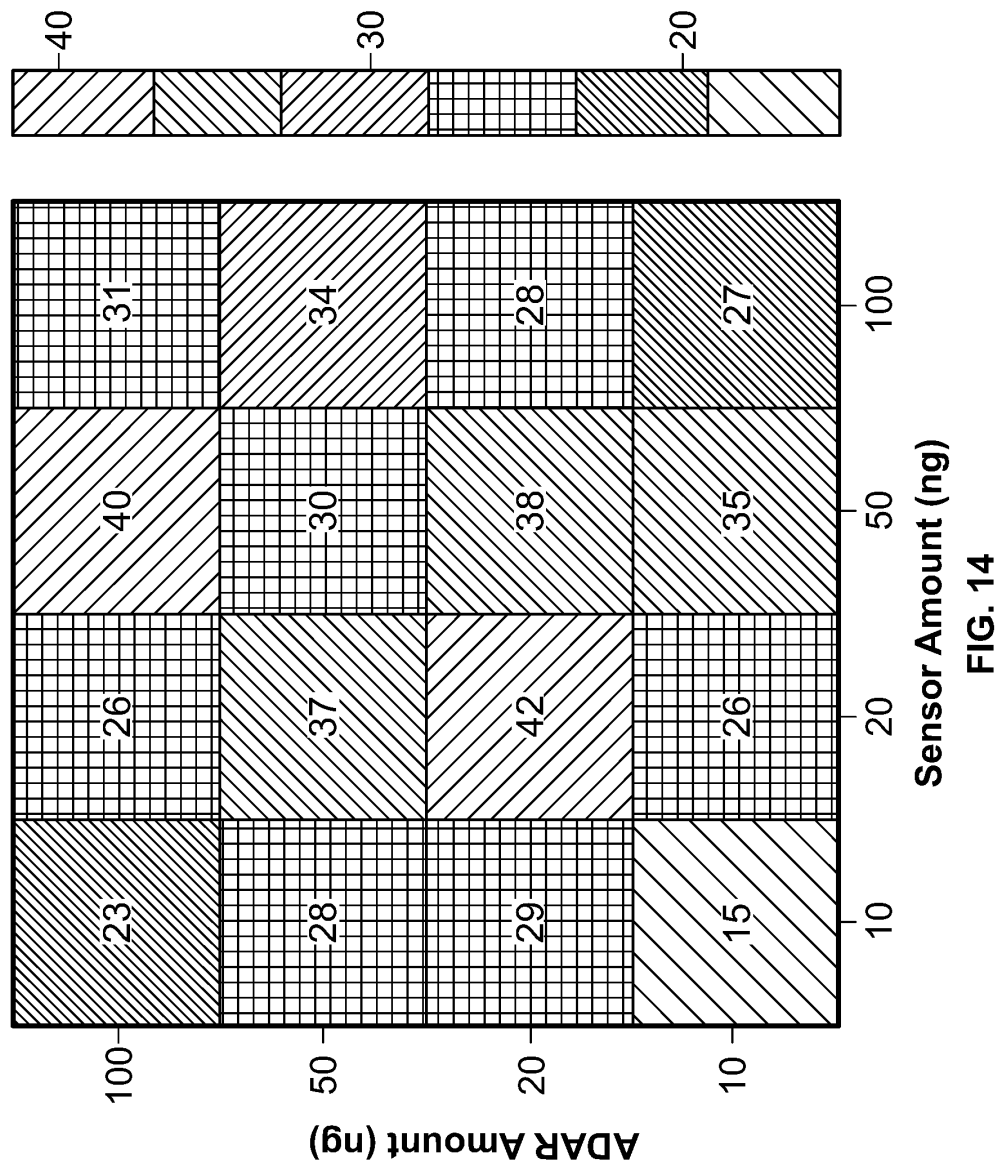


FIG. 14

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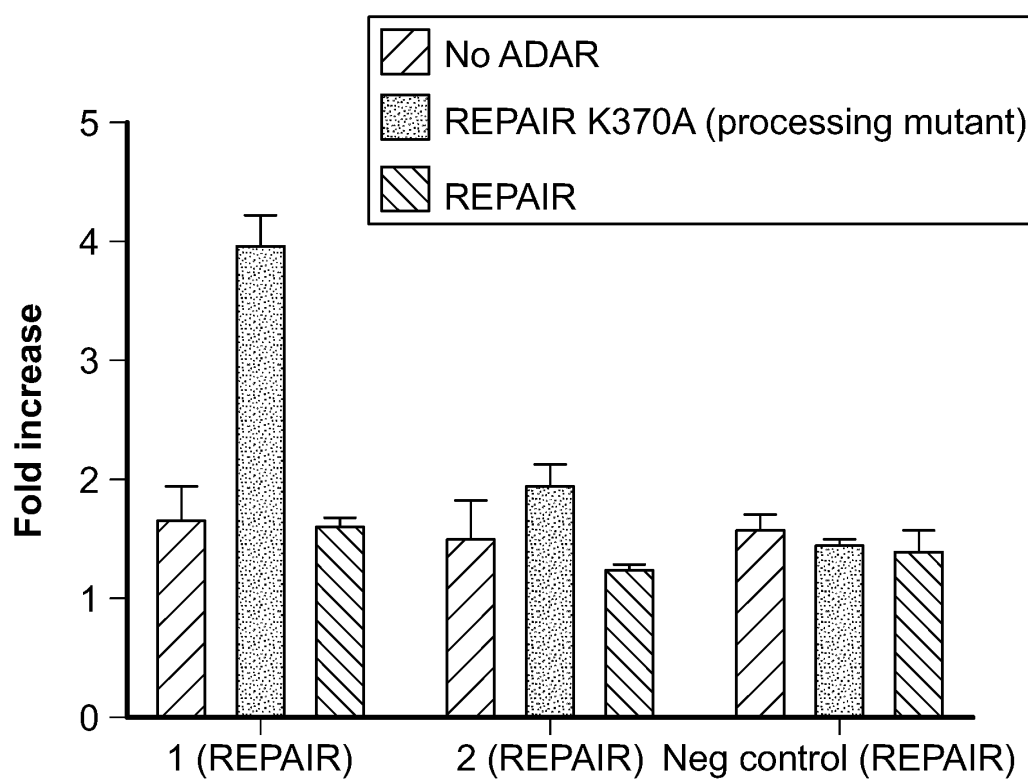


FIG. 15

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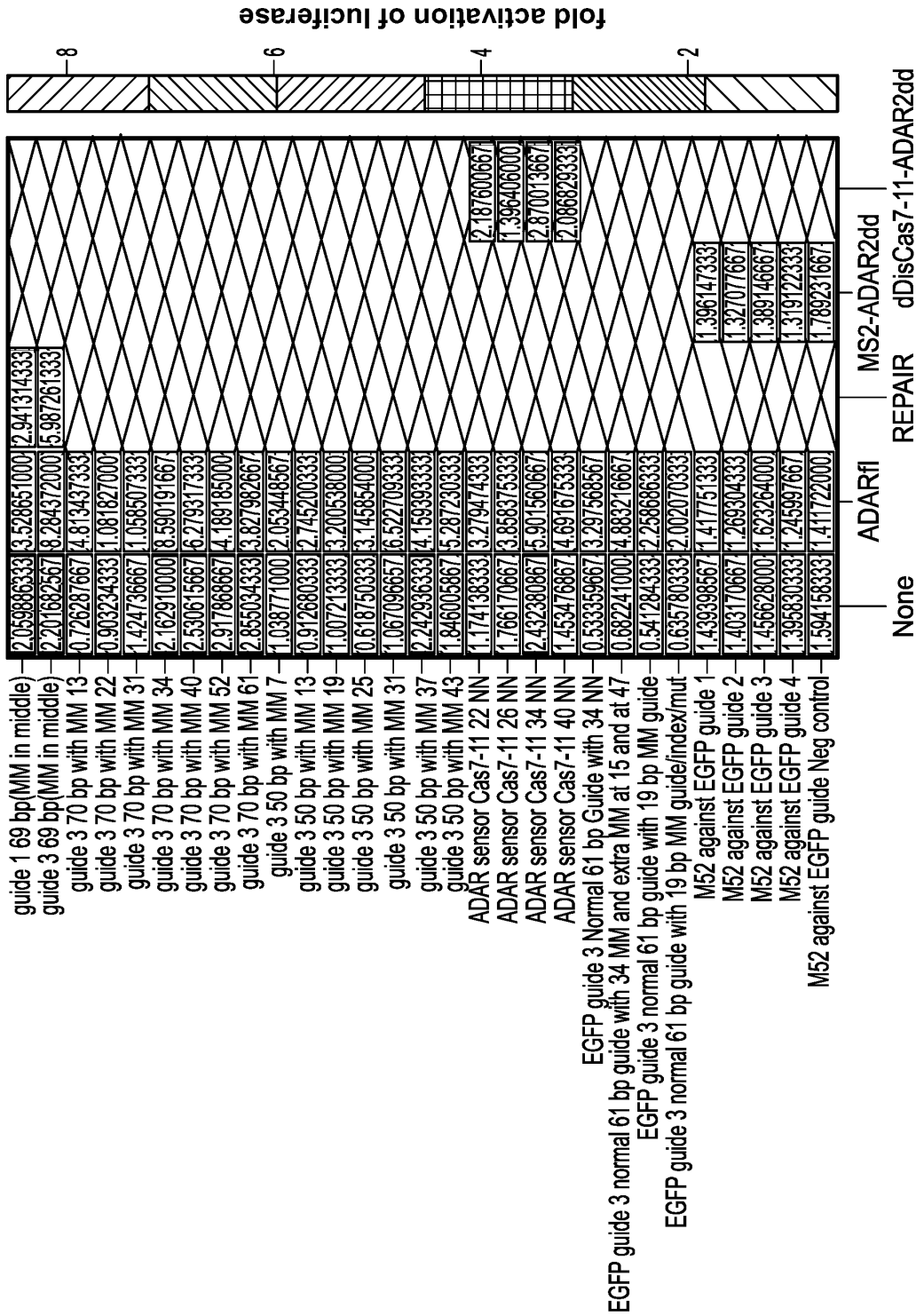
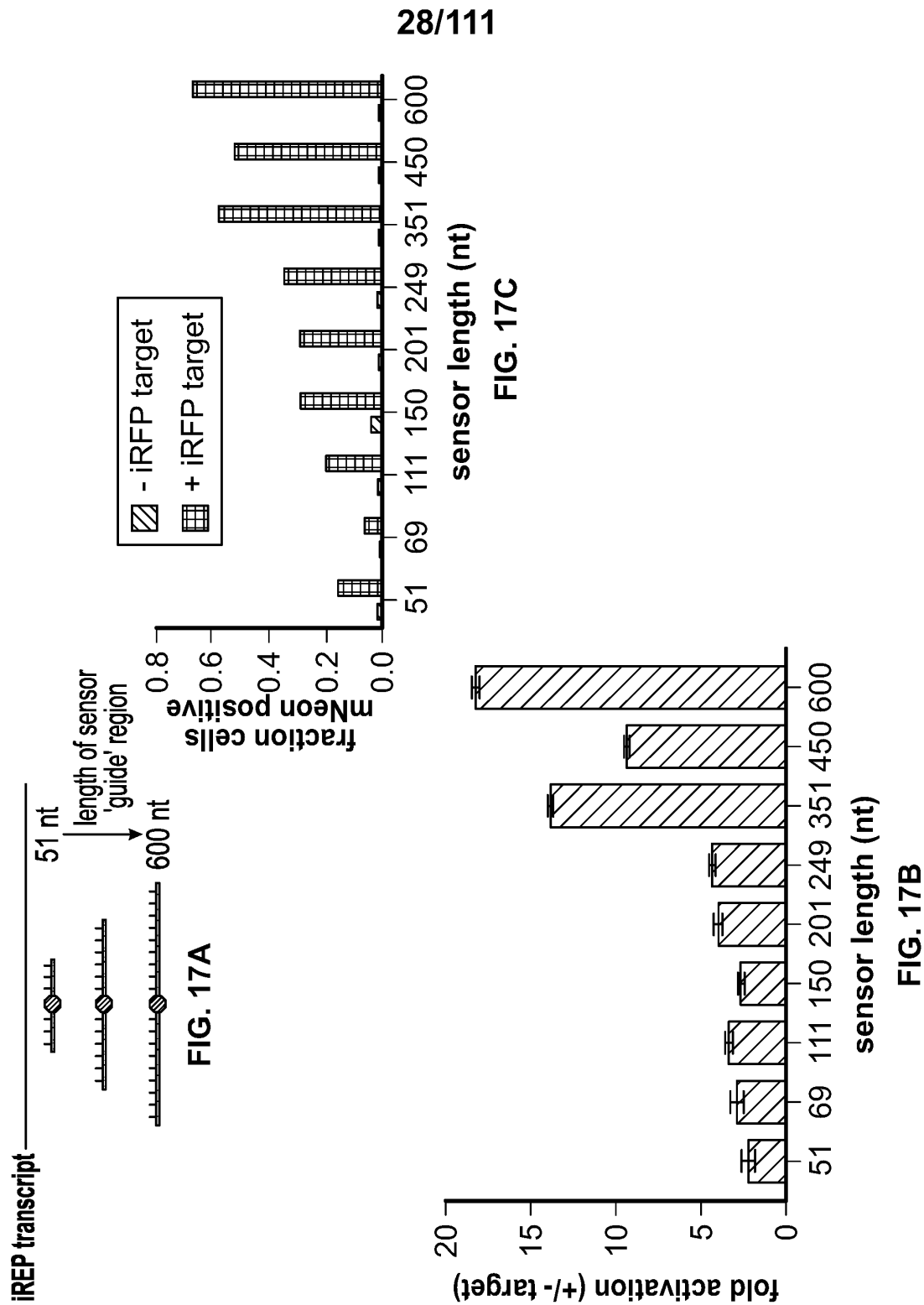


FIG. 16



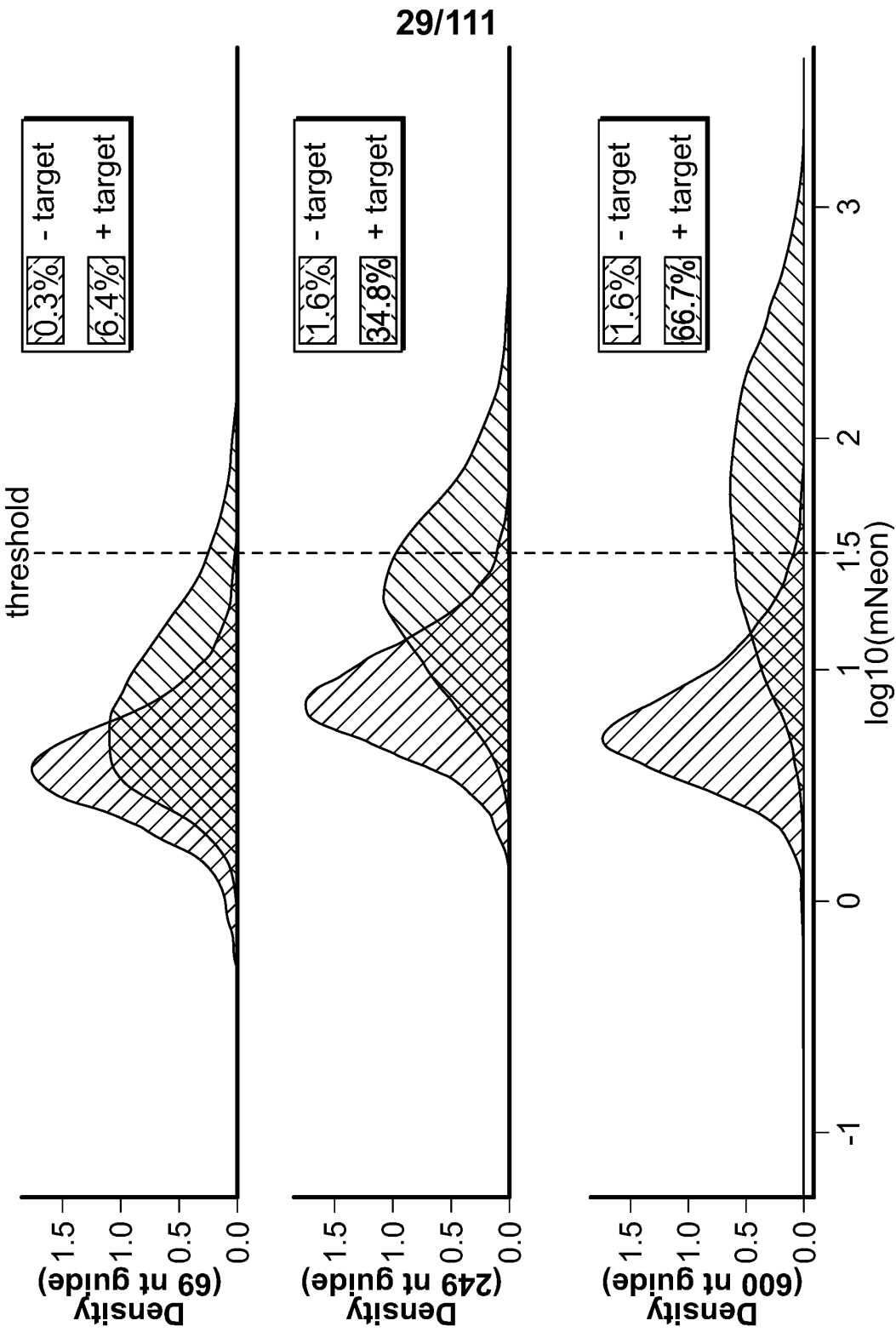


FIG. 18A

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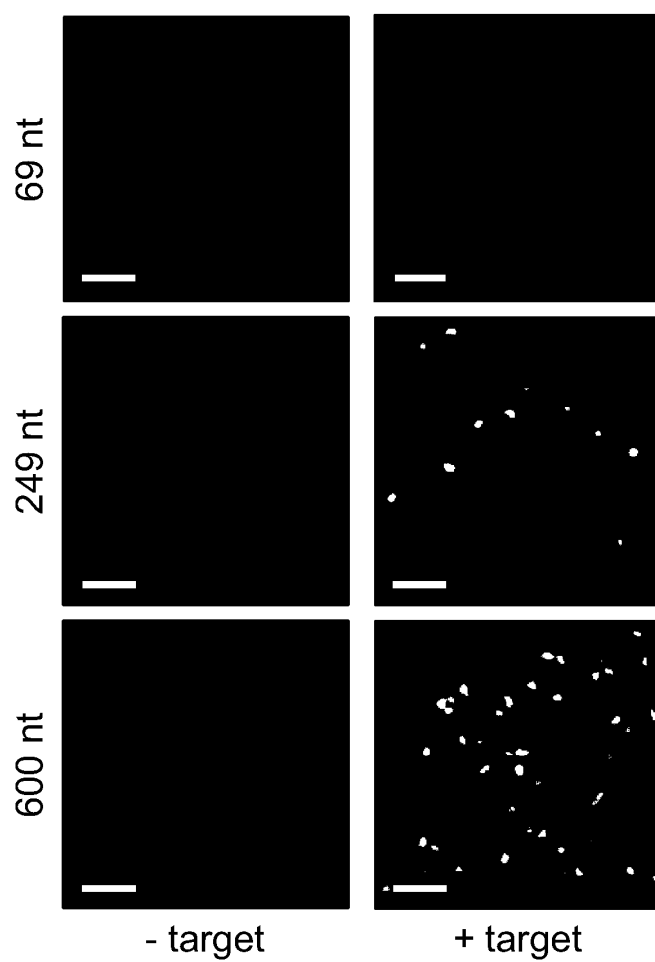
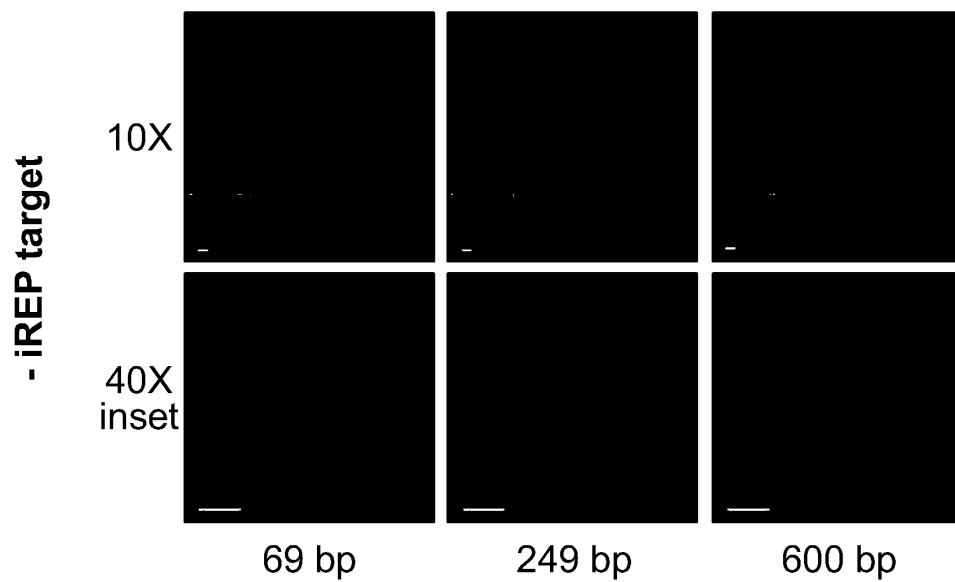
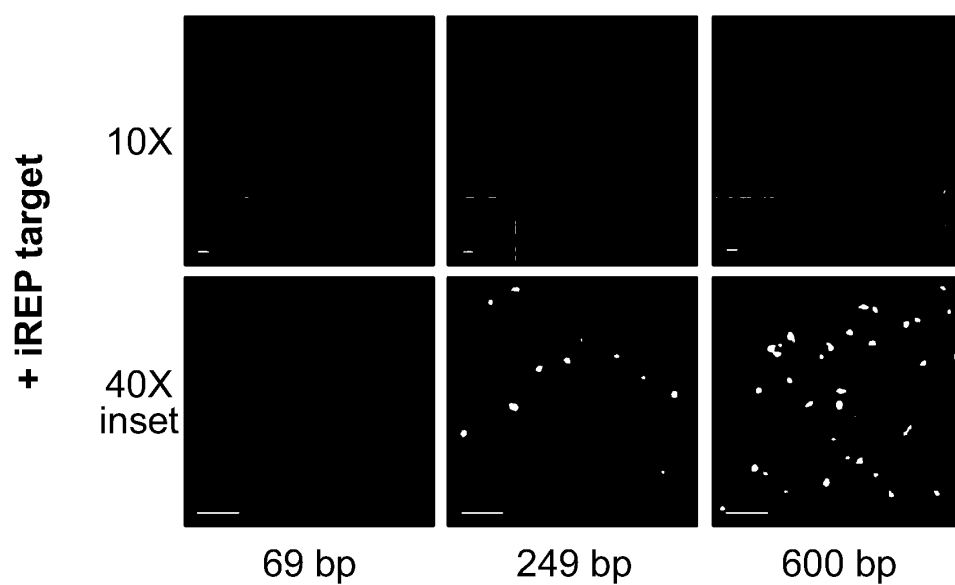


FIG. 18B

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

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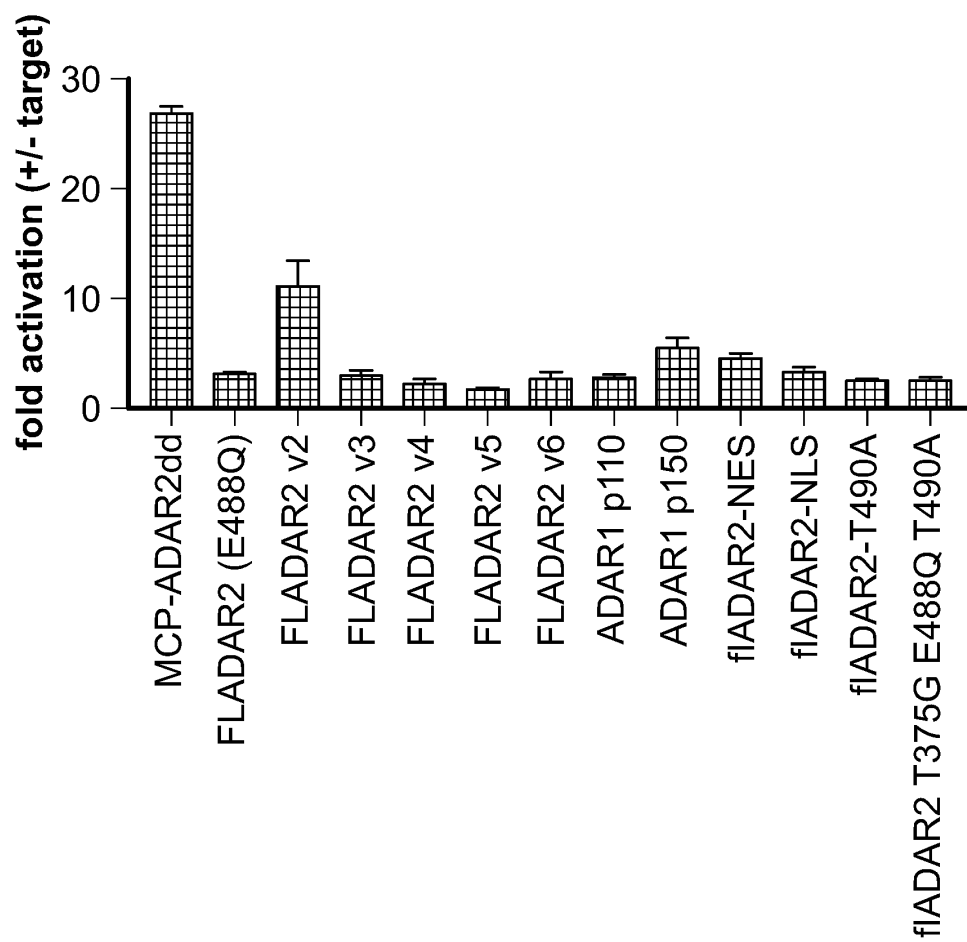
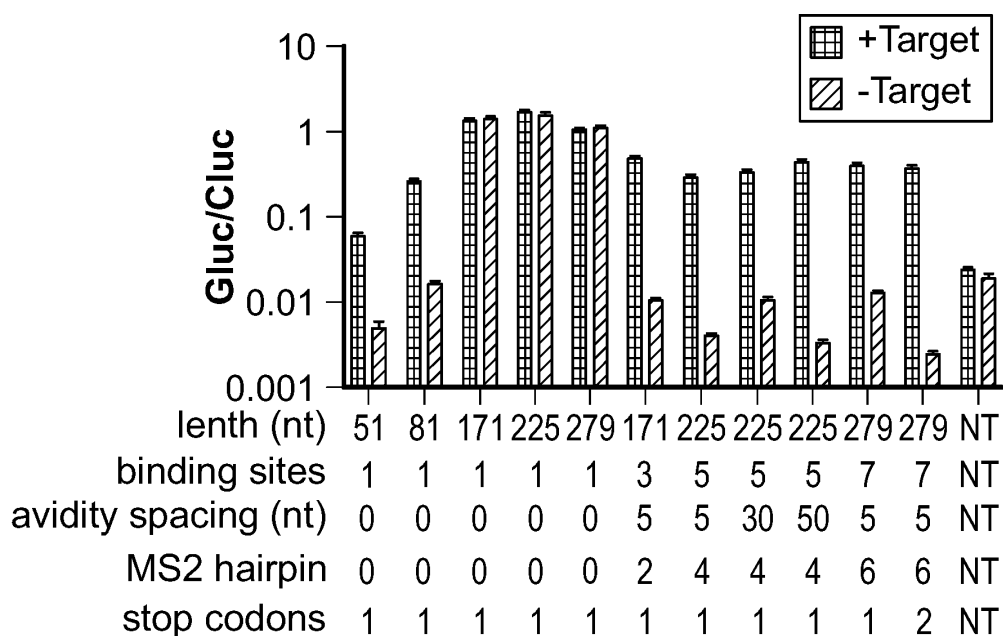
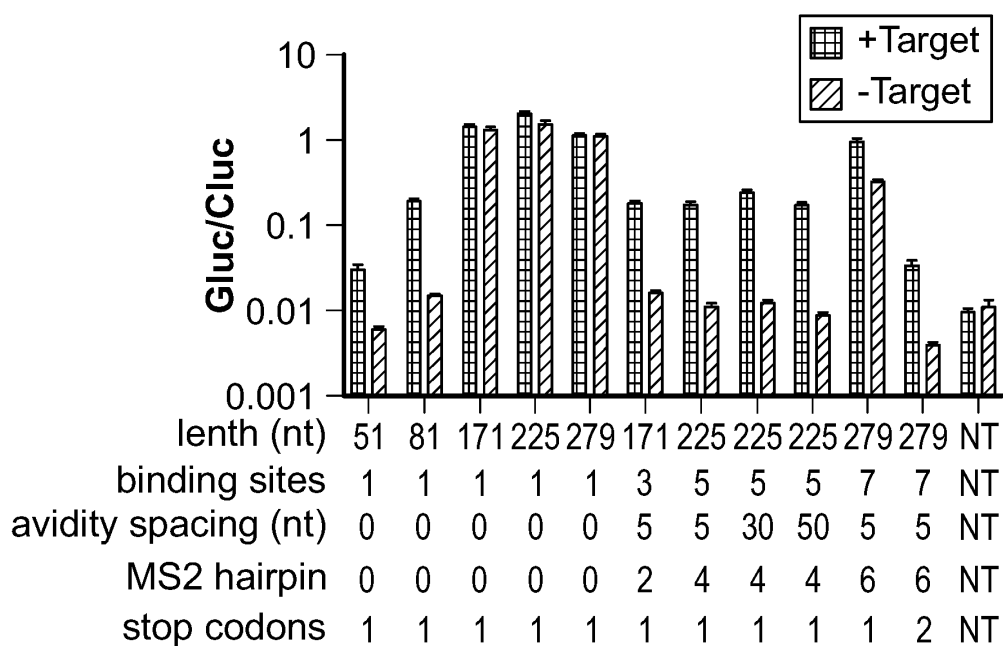
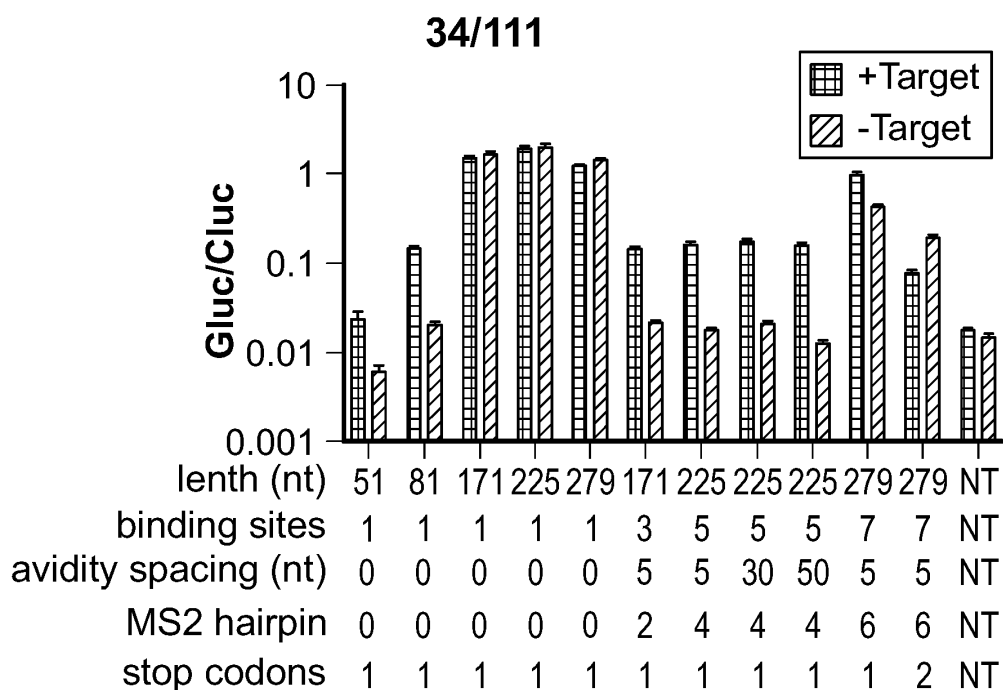
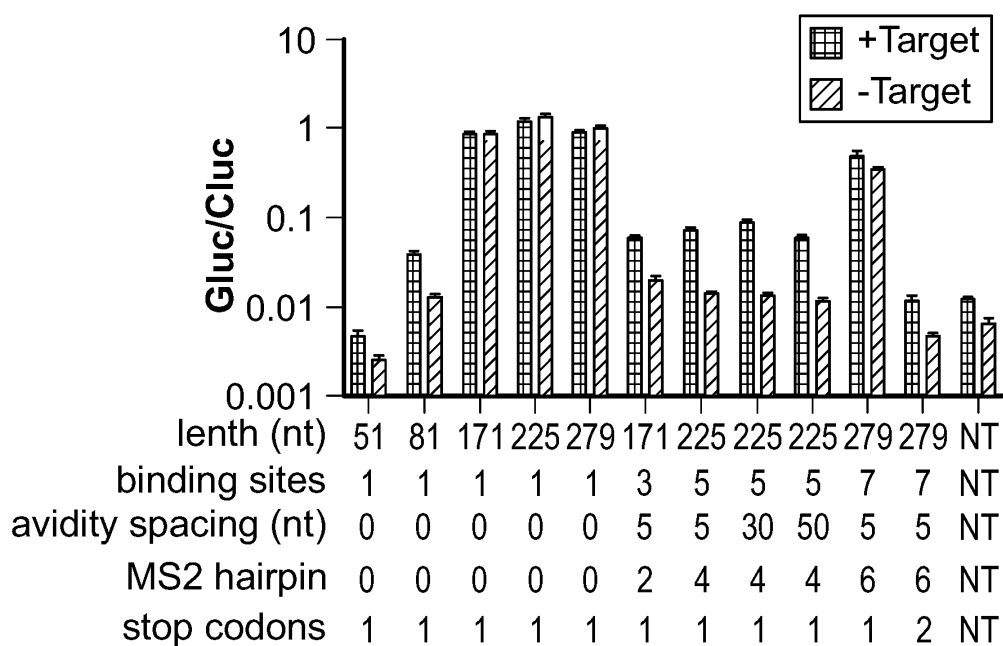


FIG. 20

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

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

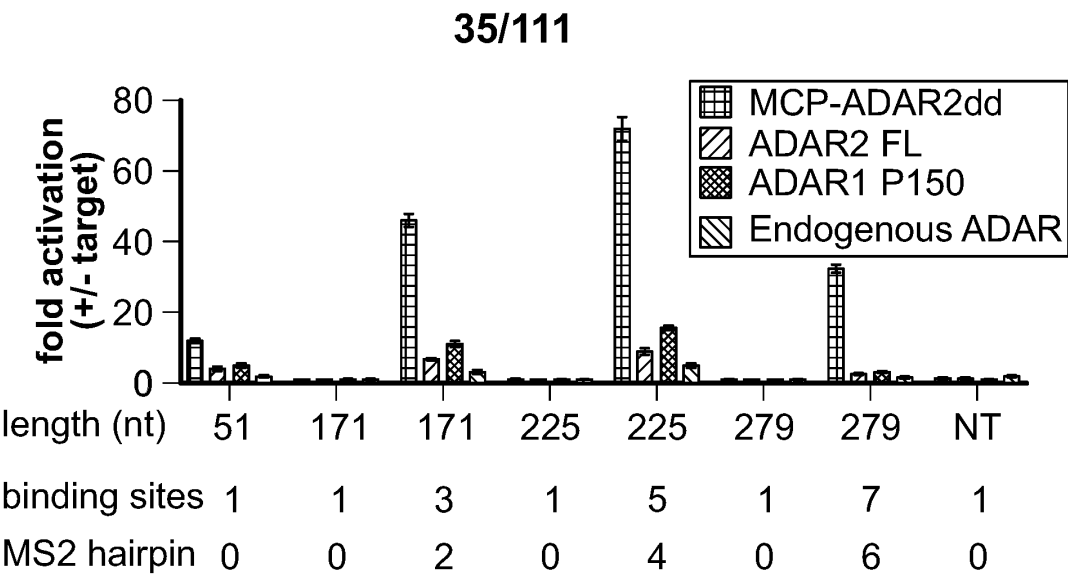


FIG. 22

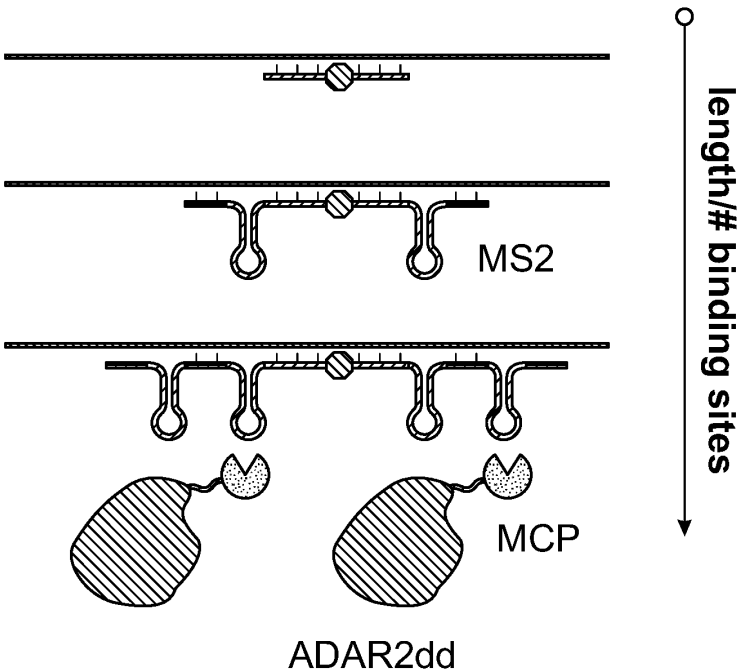
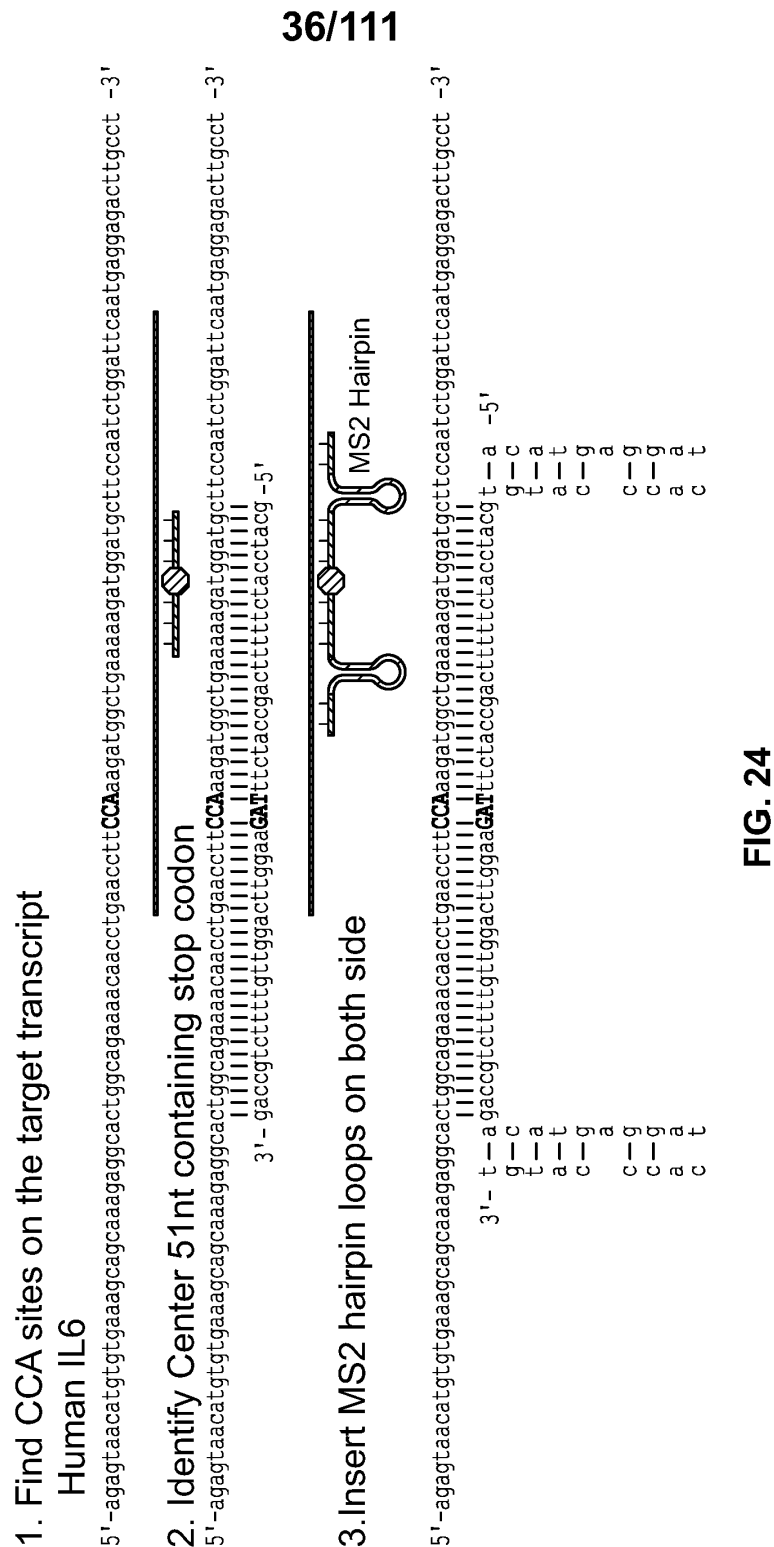


FIG. 23



4. Identify Avidity Sites (5nt away)

5'-agagtaacatgtgtgaaagcagcaaaaggccactggcagaaaaaacacccctgaacccctCCAaagatggctgaaagagtgatgctccaatctcgattccaatgagagacttgccct-3'

3'-tctcattgtacacacactttcgtcggtttc-5'

a gaccgtctcttggacttggaaGATttctaccgactttttctacctacg t - a tagacctaaagttagctcctctgaacgga -5'

g - c
t - a
a - t
c - g
a
c - g
c - g
a a t
c

5. Mutate In Frame Start/Stop Codons

5'-agagtaacatgtgtgaaagcagcaaaaggccactggcagaaaaaacacccctgaacccctCCAaagatggctgaaagagtgatgctccaatctcgattccaatgagagacttgccct-3'

3'-tctcattgtacacacactttcgtcggtttc-5'

a gaccgtctcttggacttggaaGATttctaccgactttttctacctacg t - a tagacctaaagttagctcctctgaacgga -5'

g - c
t - a
a - t
c - g
a
c - g
c - g
a a t
c

FIG. 24
(Continued)

SUBSTITUTE SHEET (RULE 26)

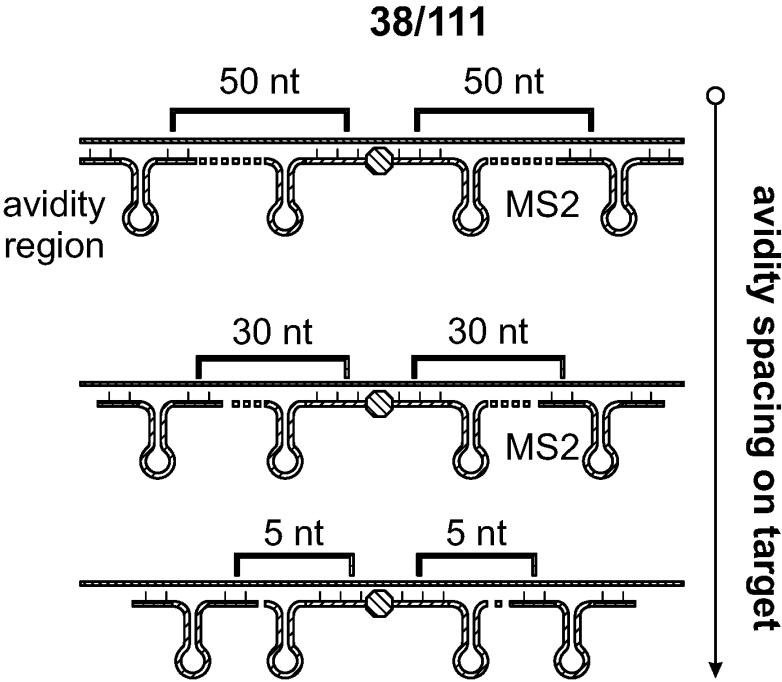


FIG. 25A

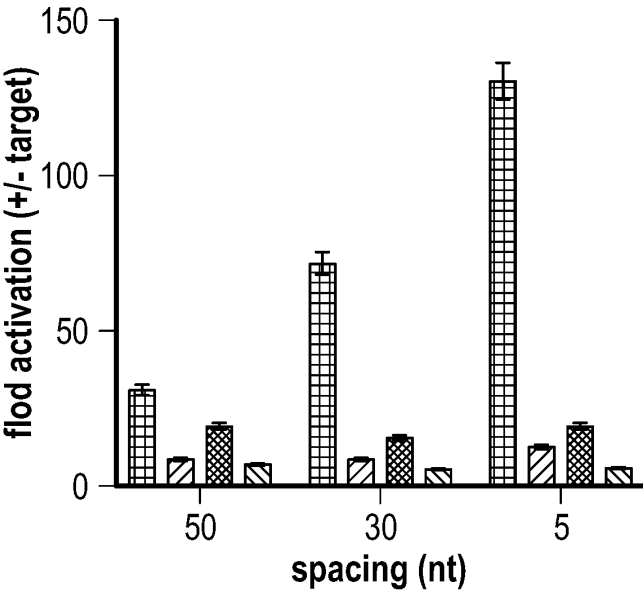
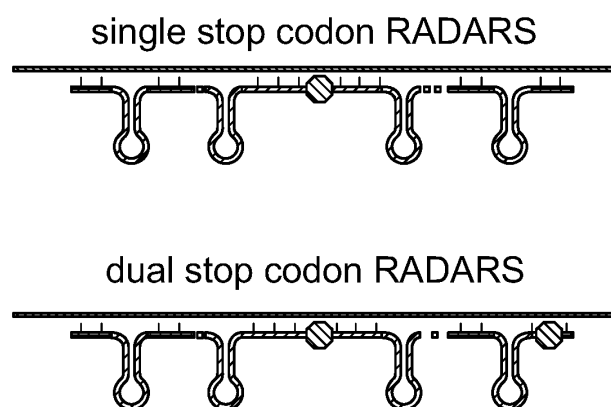
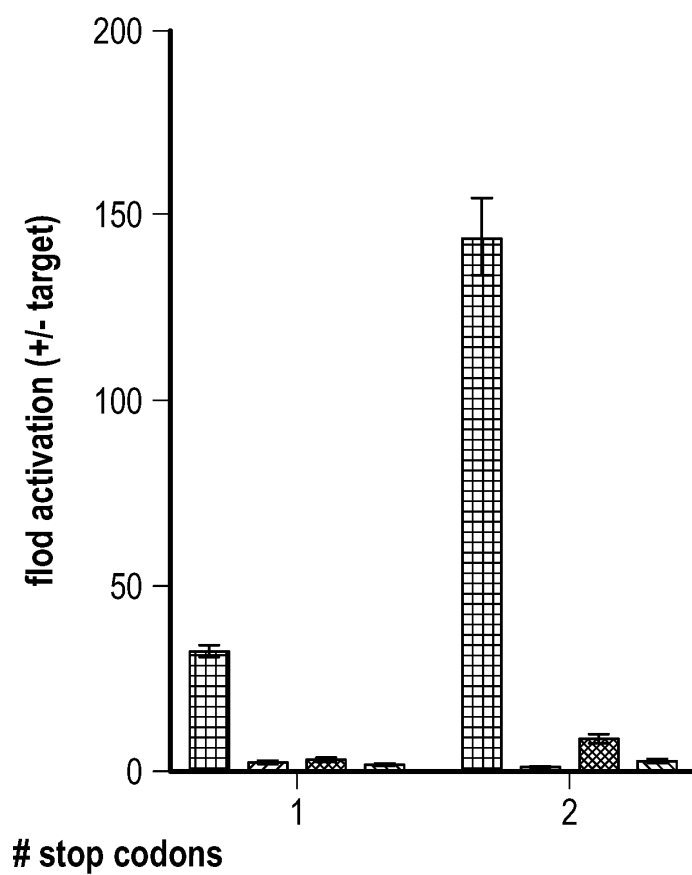


FIG. 25B

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

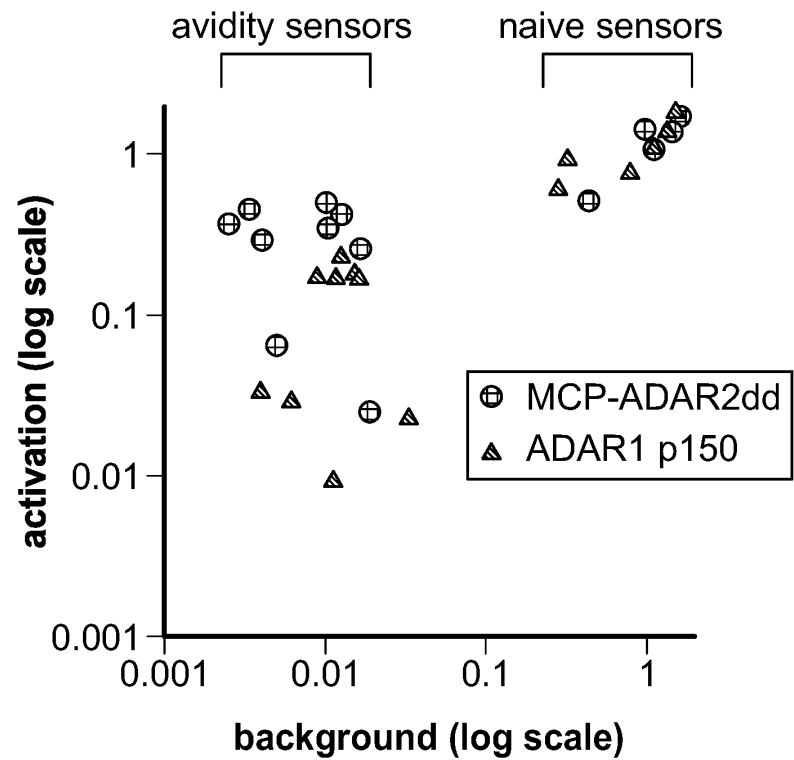


FIG. 27A

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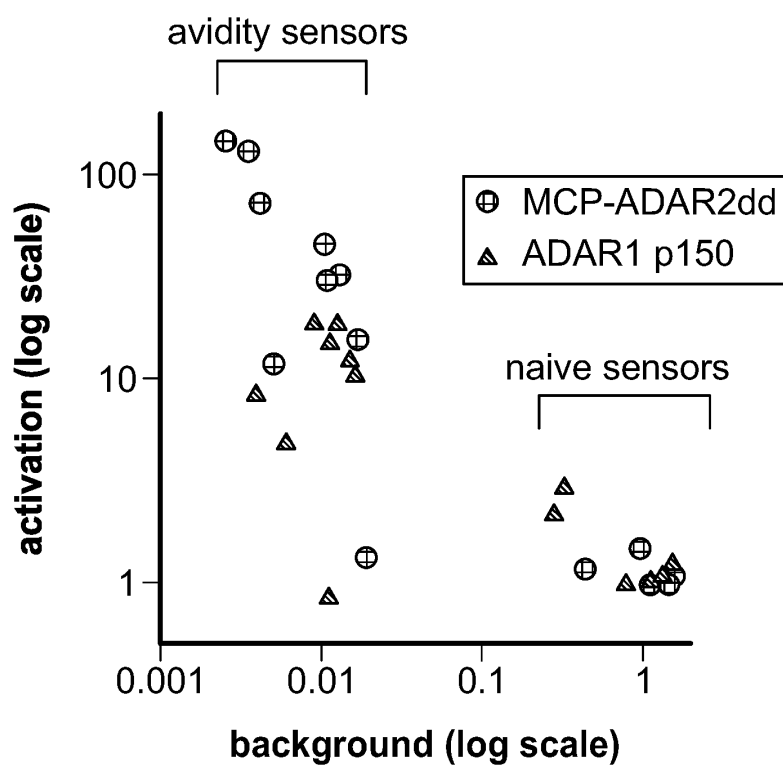


FIG. 27B

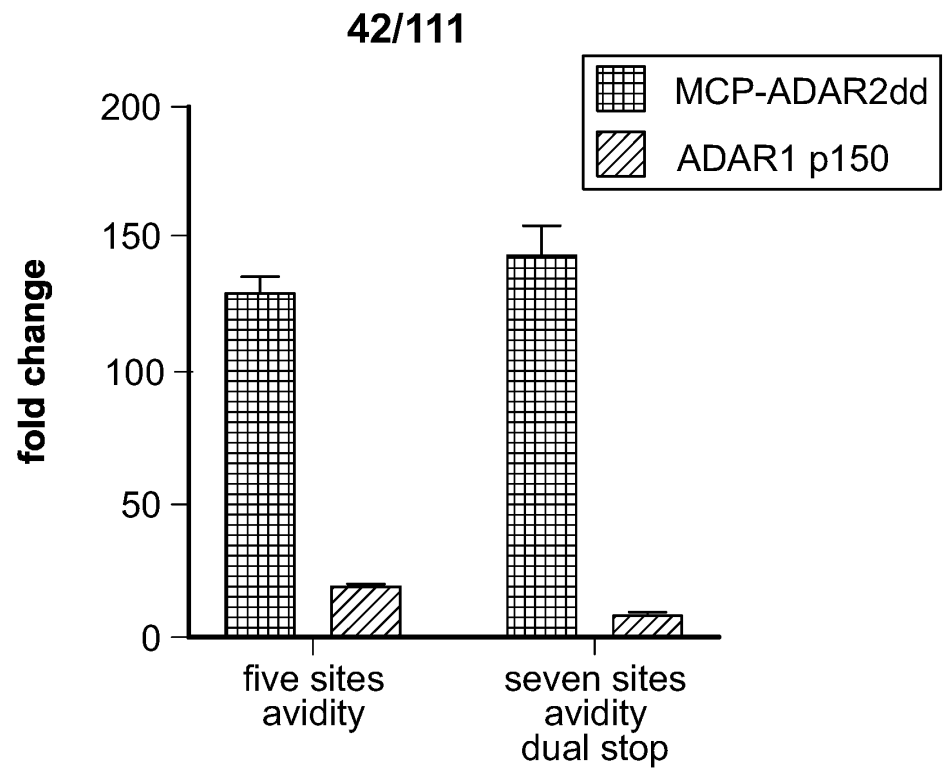


FIG. 28A

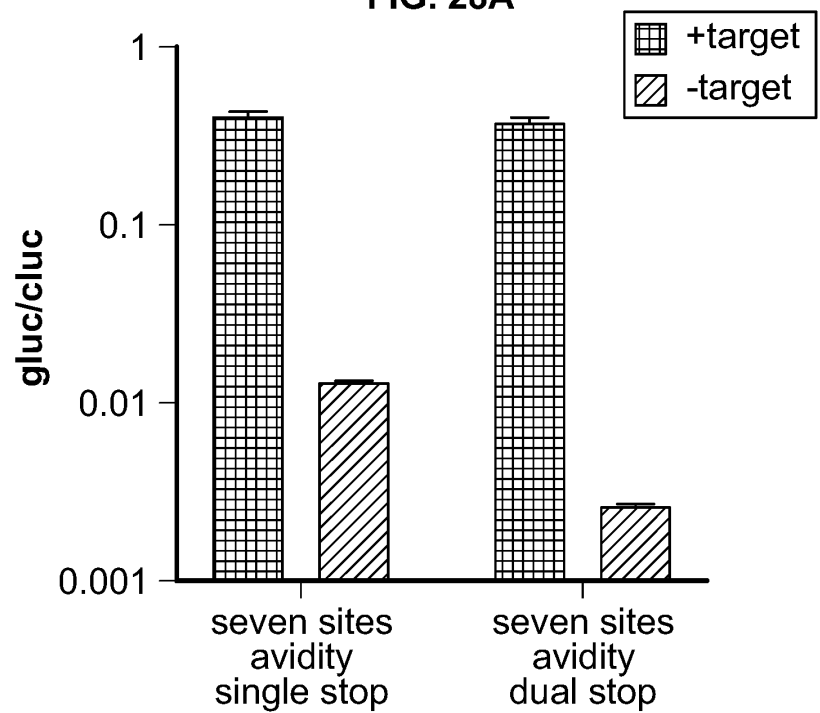


FIG. 28B

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Mismatch Tolerance

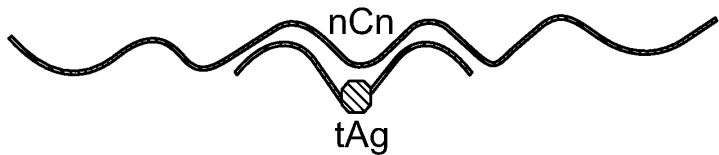


FIG. 29A

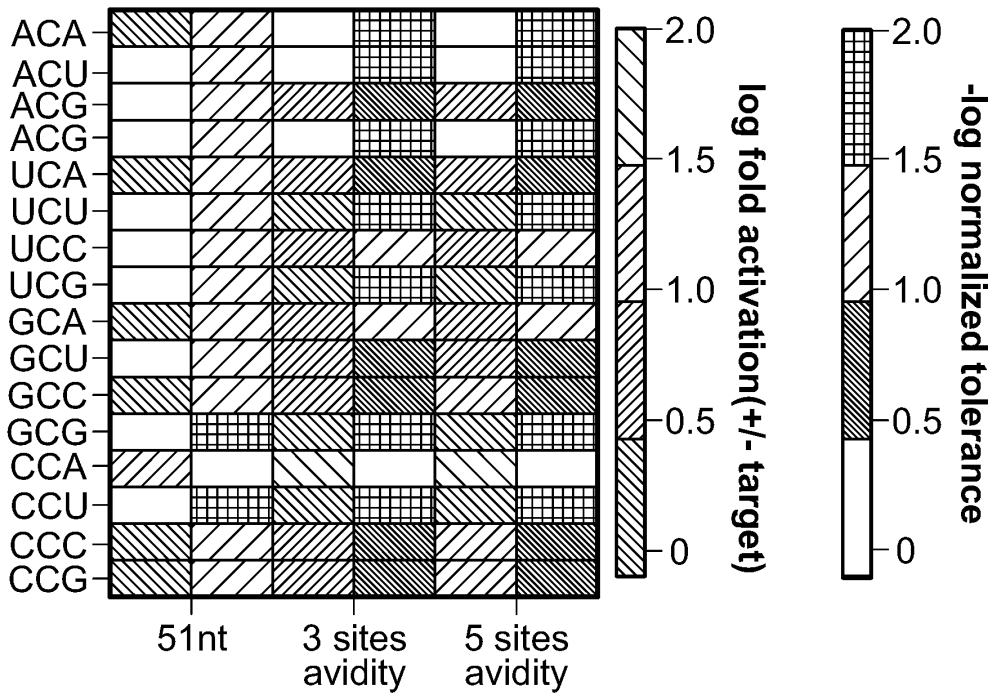


FIG. 29B

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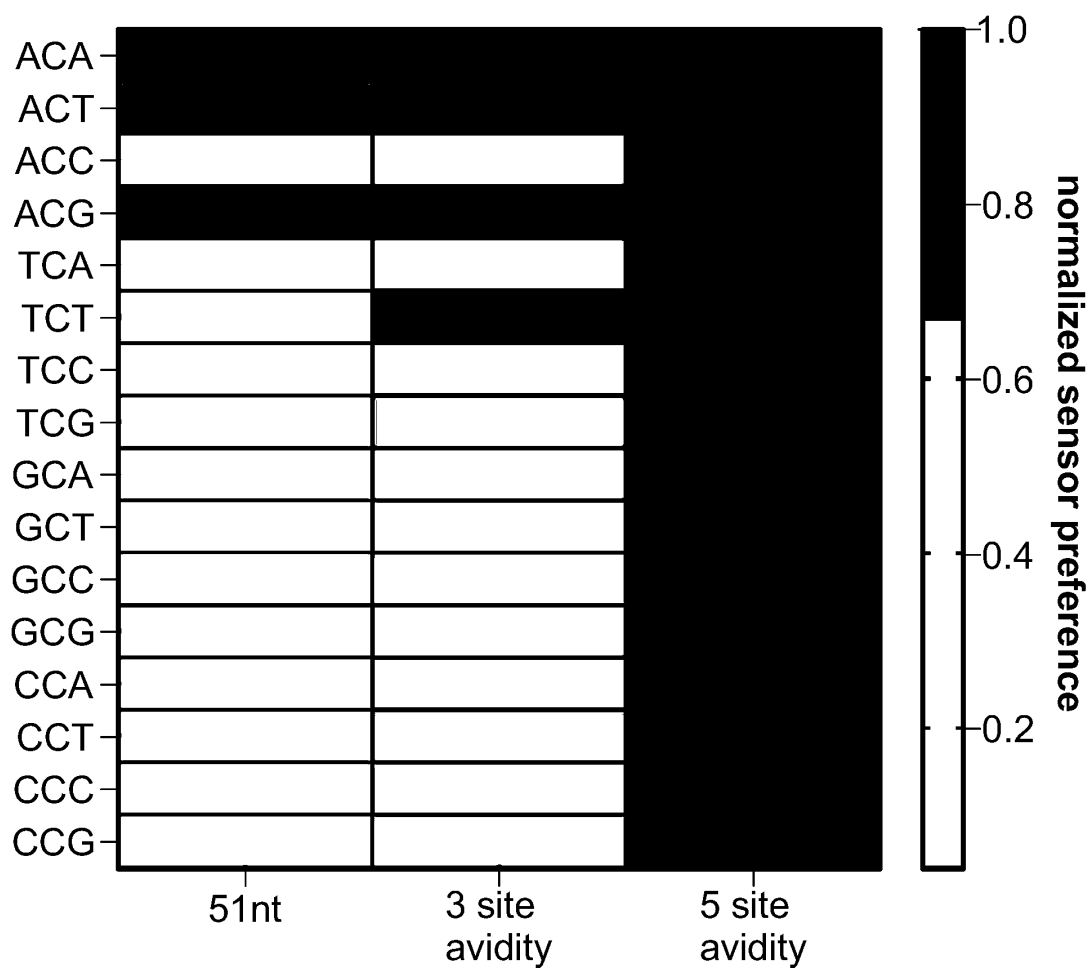


FIG. 30

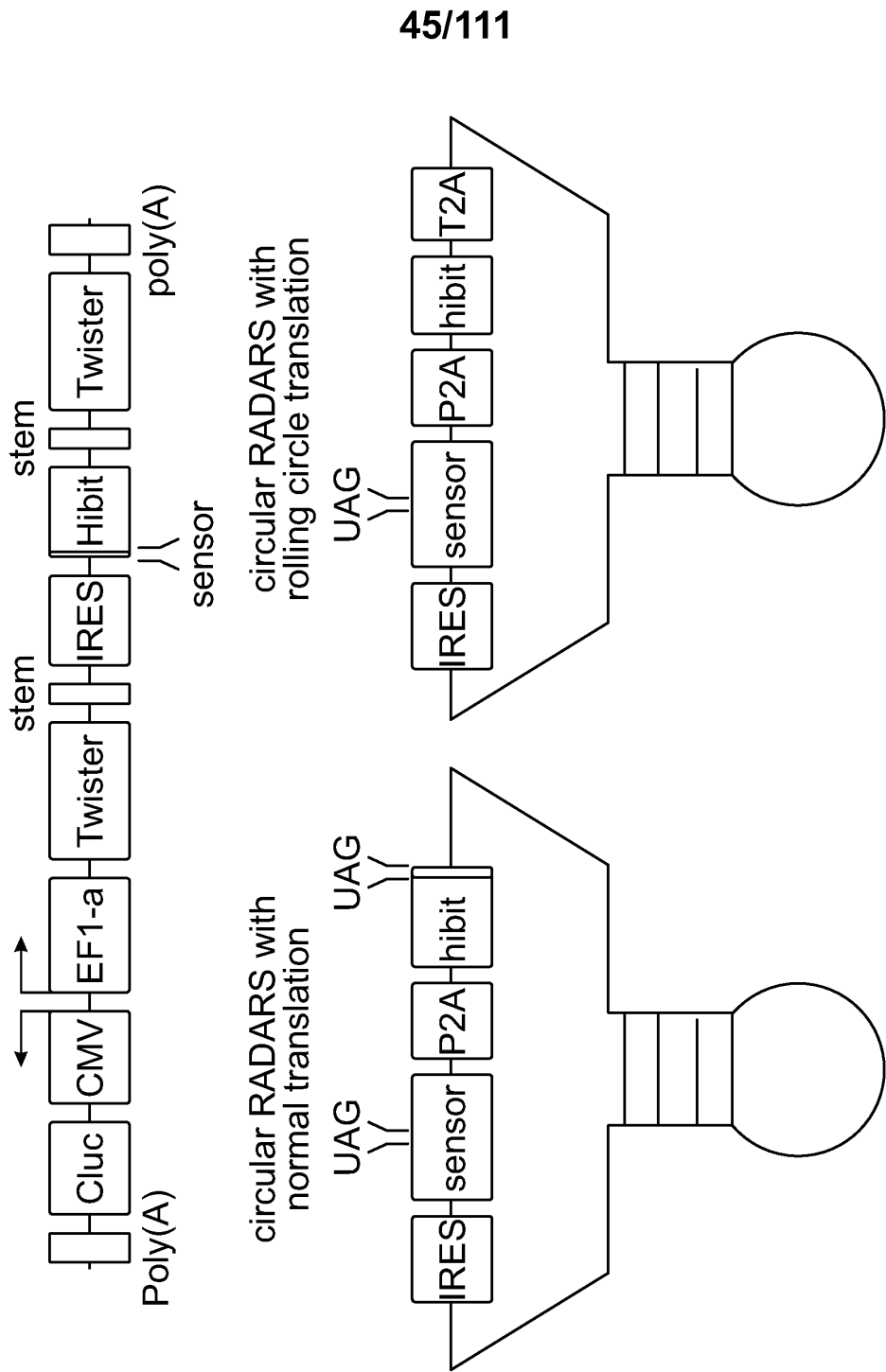


FIG. 31A

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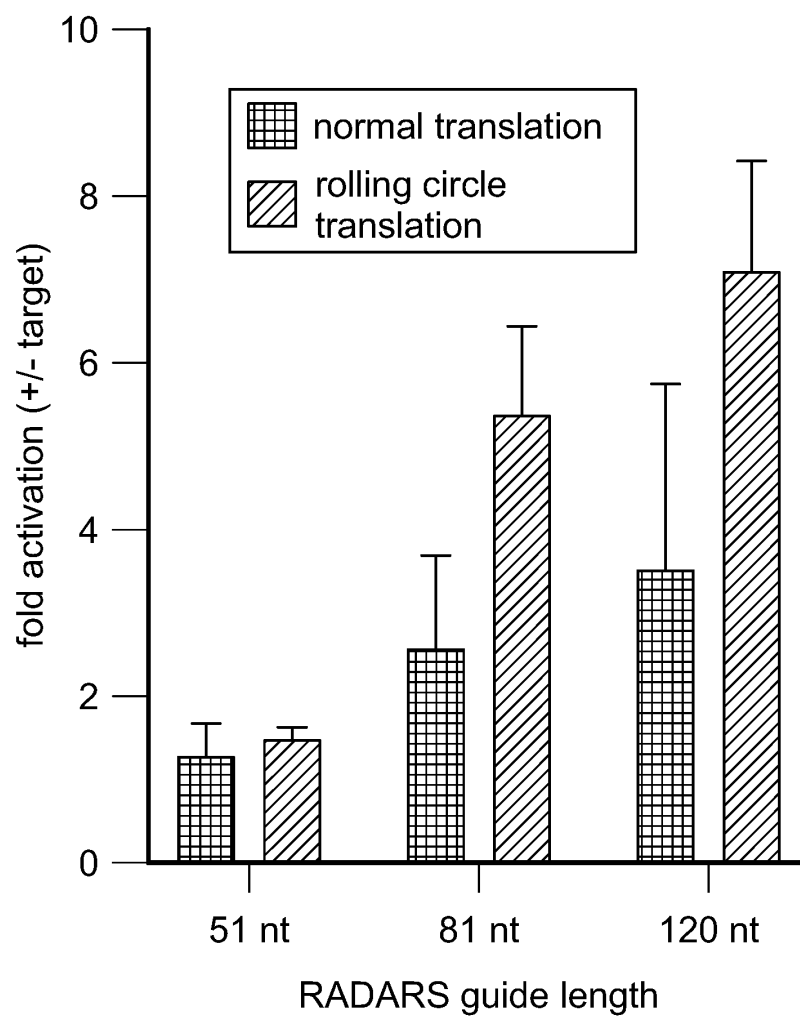


FIG. 31B

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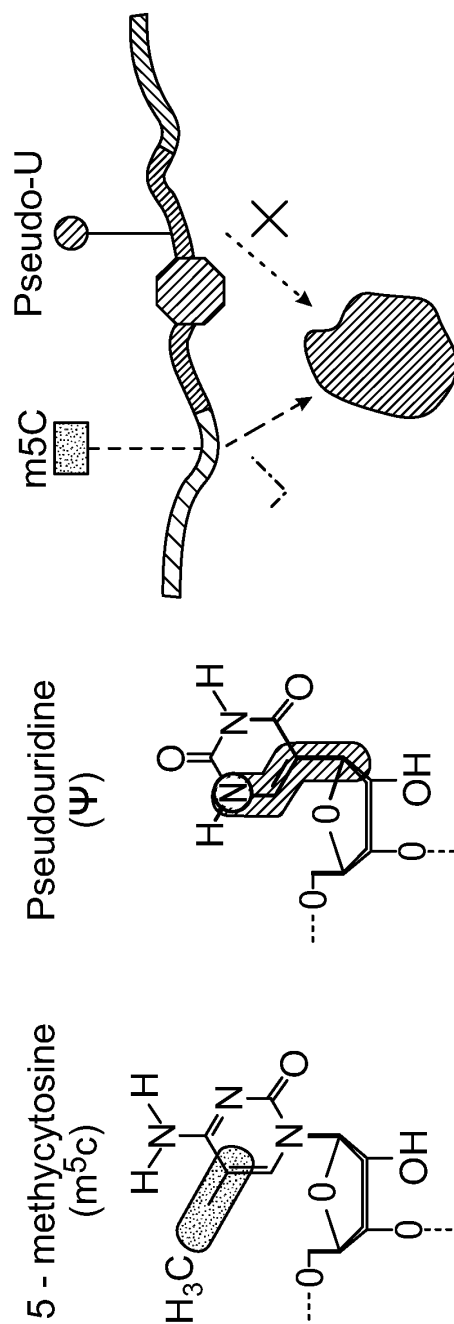


FIG. 32A

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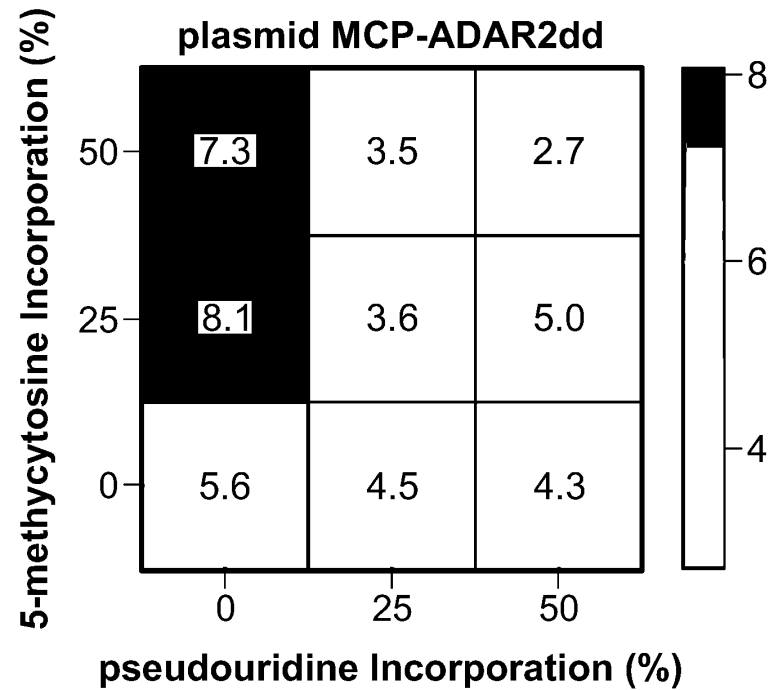


FIG. 32B

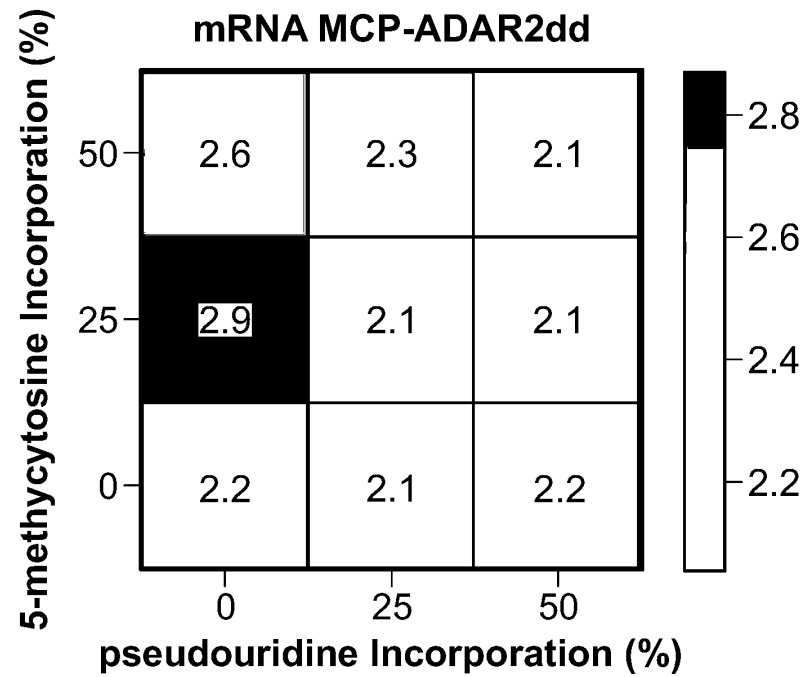
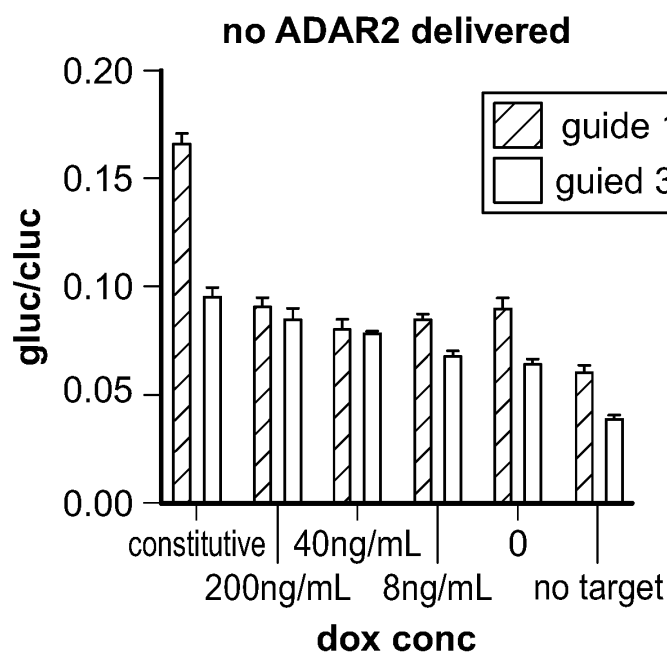
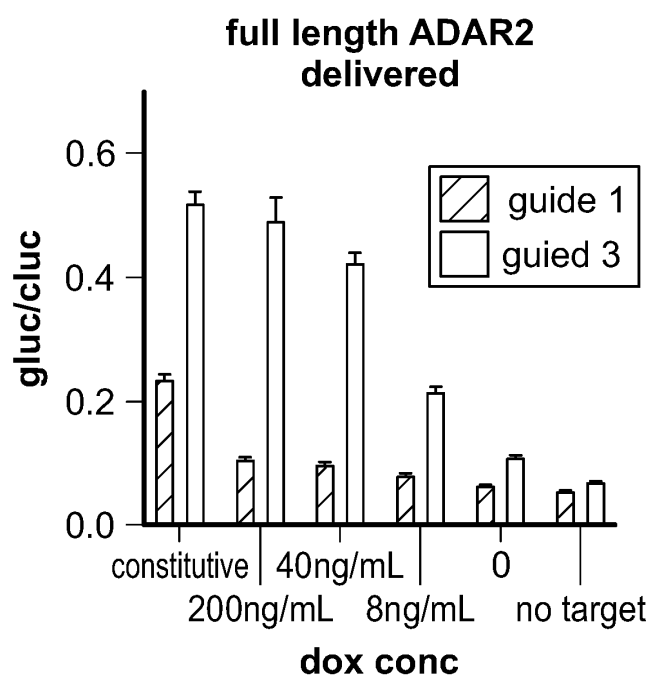
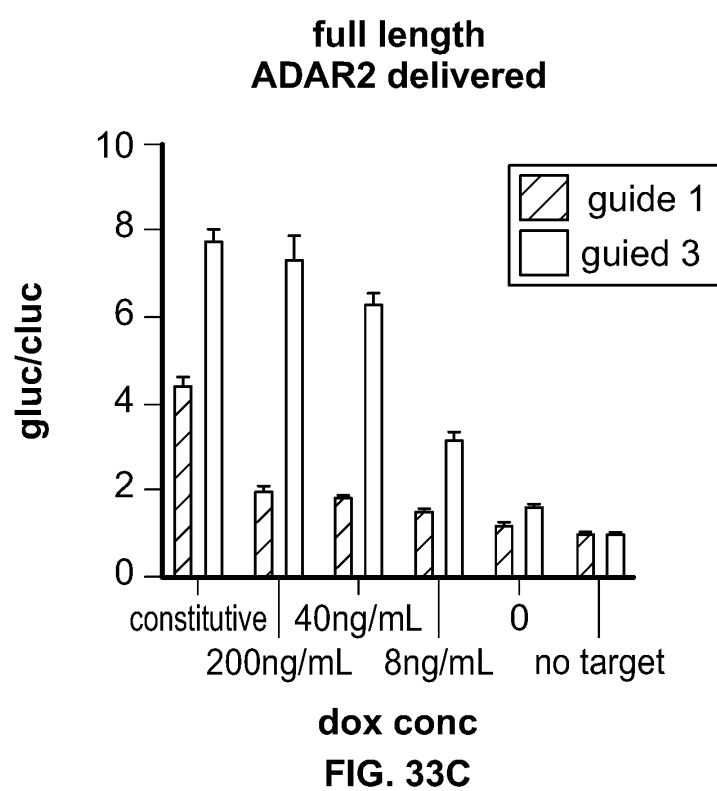


FIG. 32C

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

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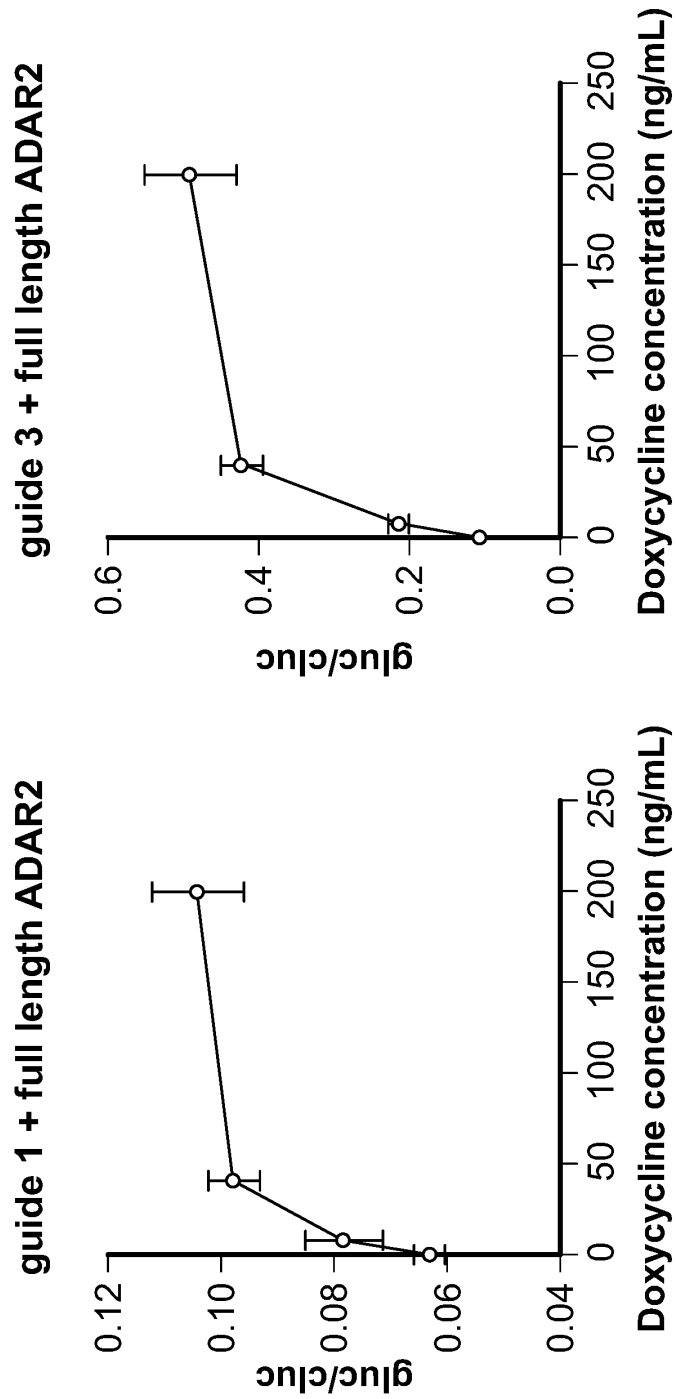


FIG. 34B

FIG. 34A

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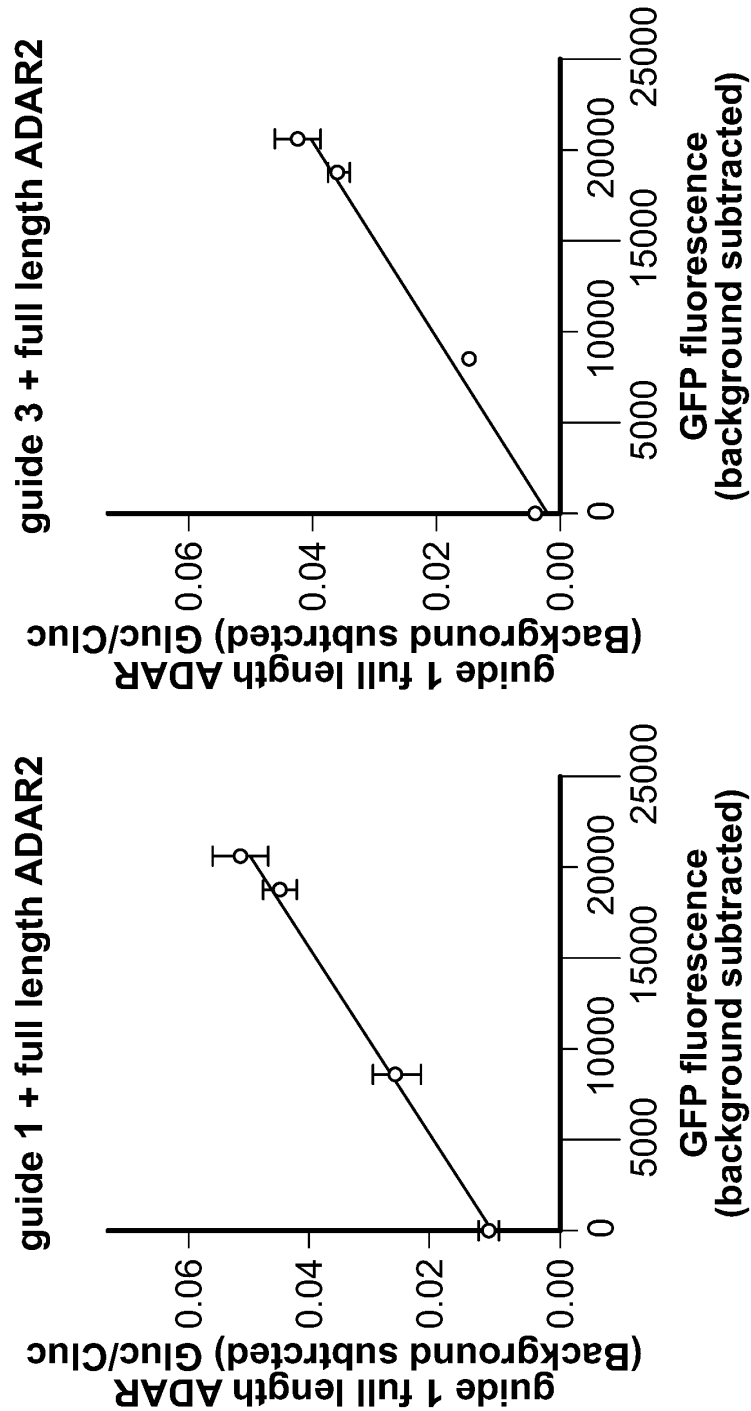


FIG. 35B

FIG. 35A

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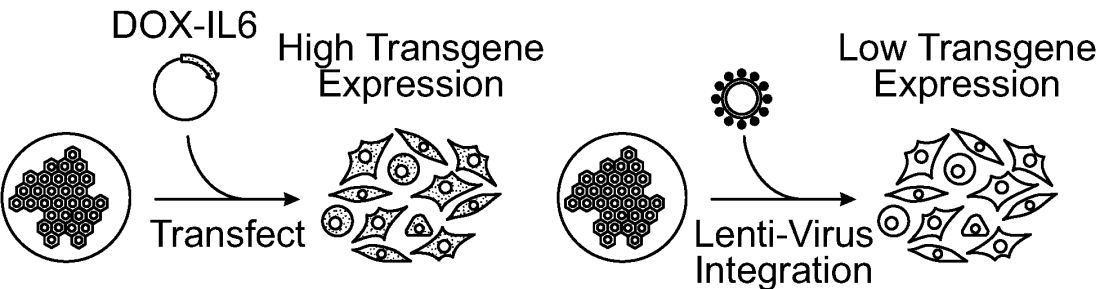


FIG. 36A

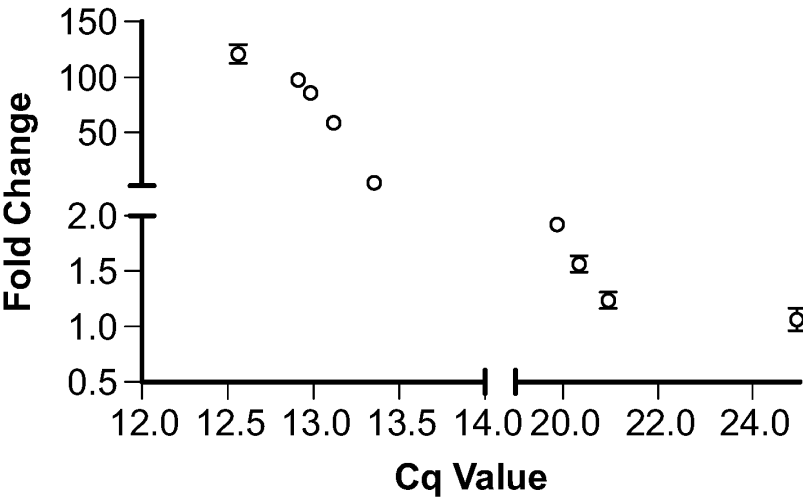


FIG. 36B

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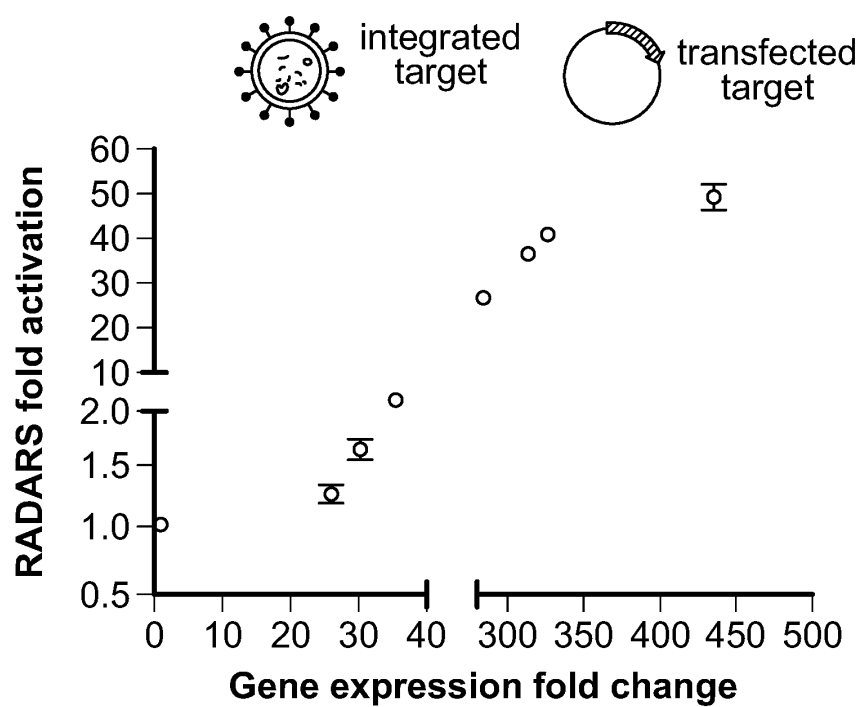


FIG. 37

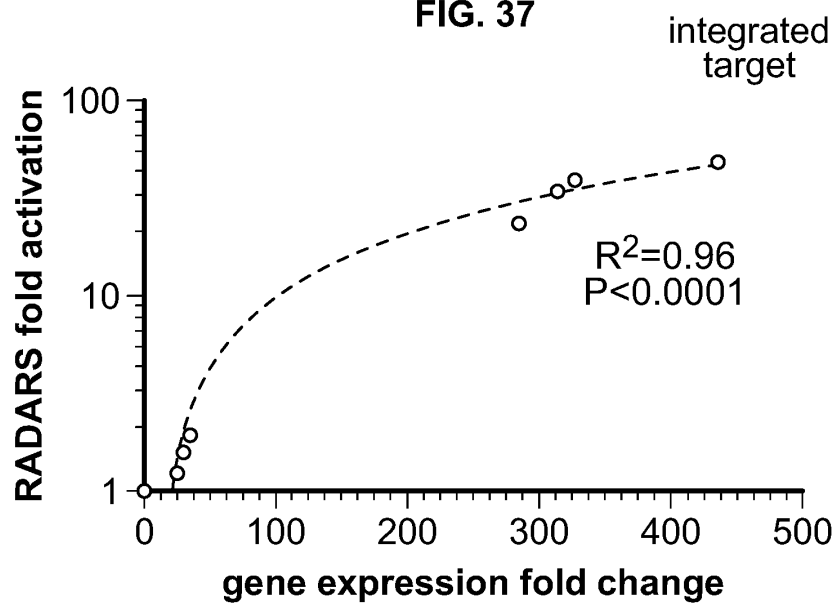
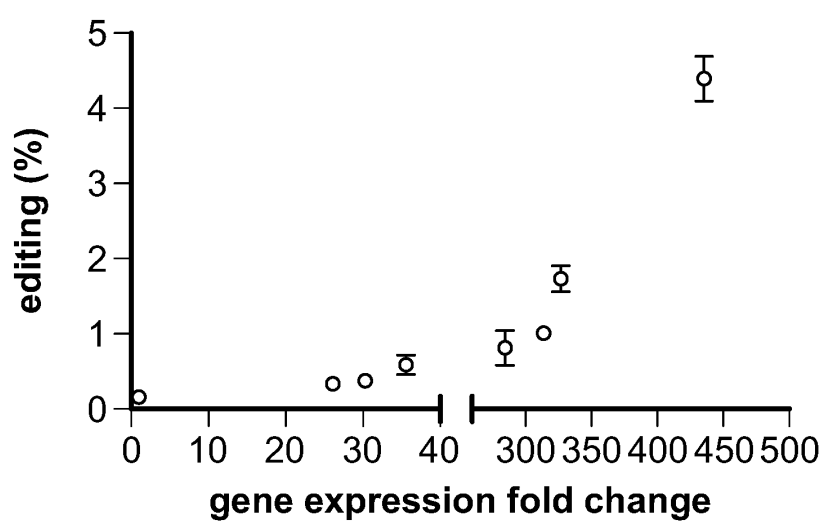


FIG. 38

55/111**FIG. 39**

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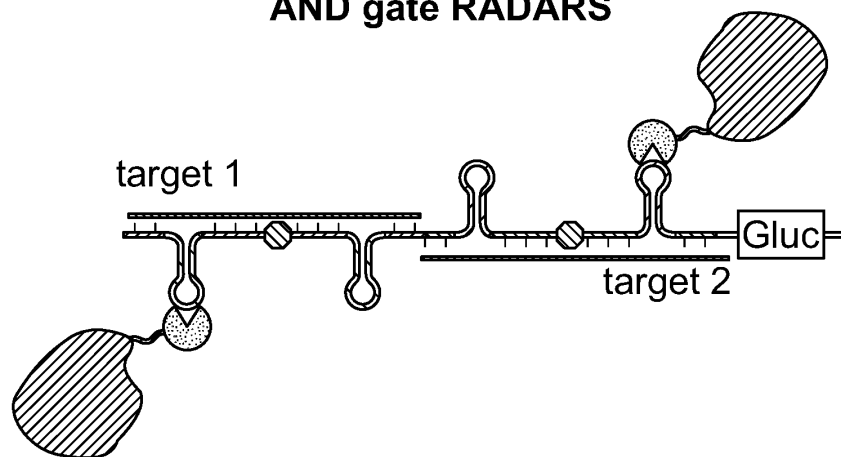
AND gate RADARS

FIG. 40A

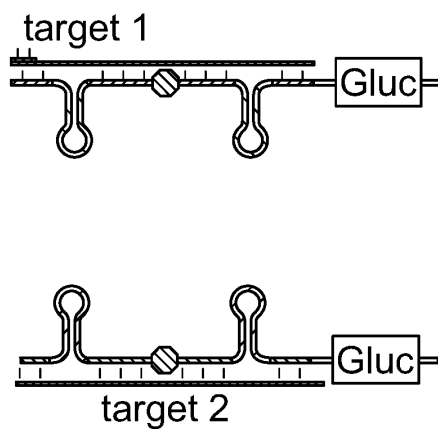
OR gate RADARS

FIG. 40B

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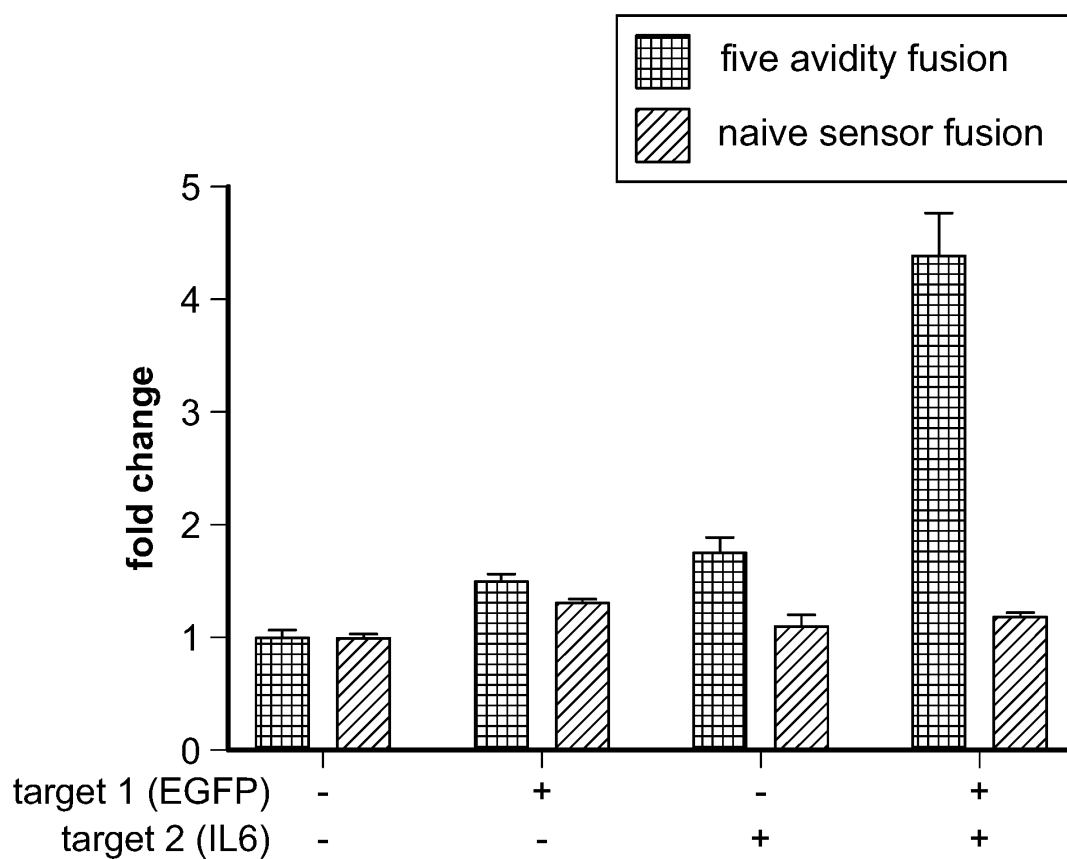


FIG. 40C

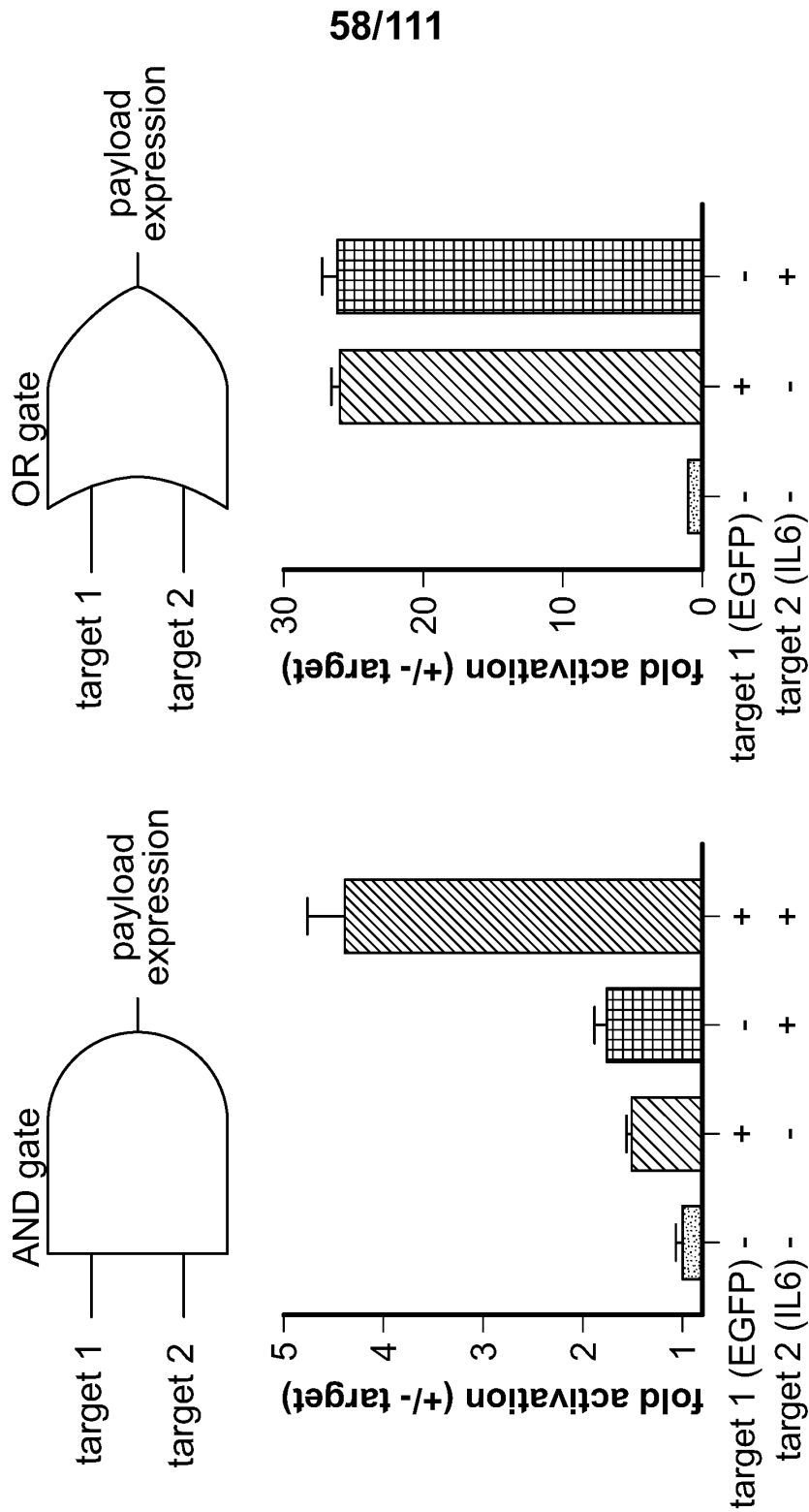


FIG. 41A

FIG. 41B

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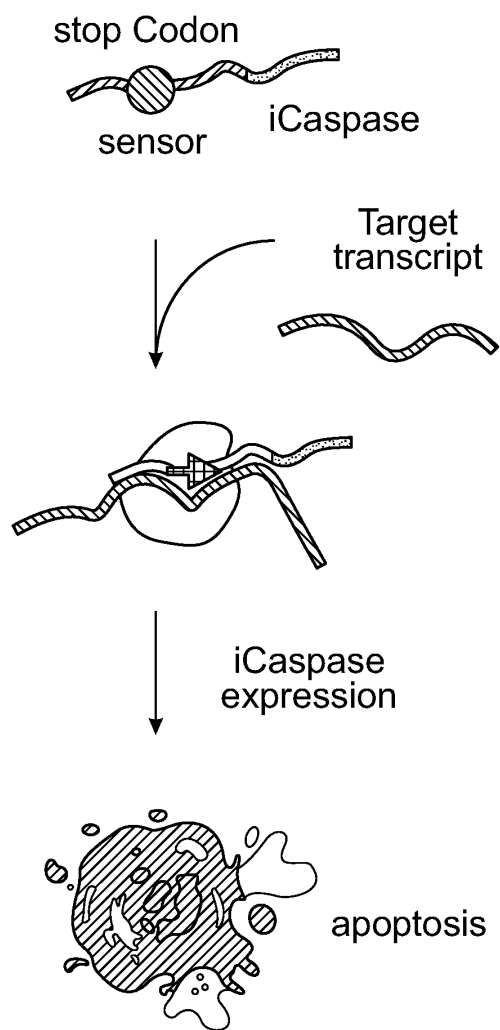
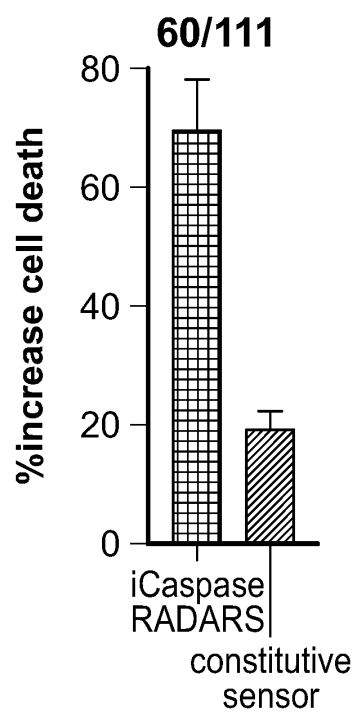
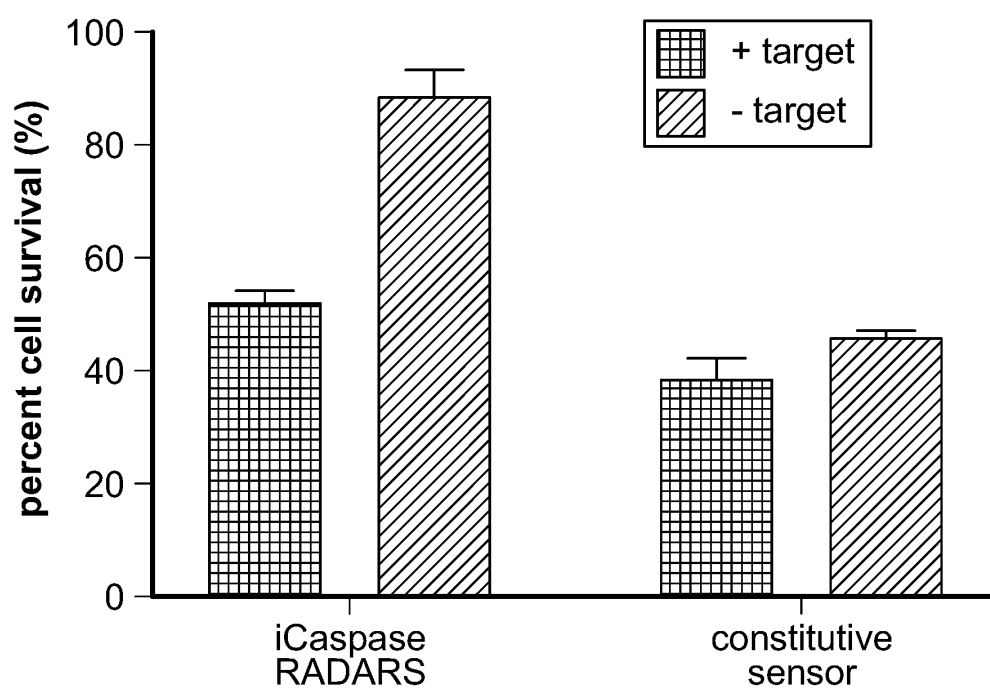


FIG. 42A

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

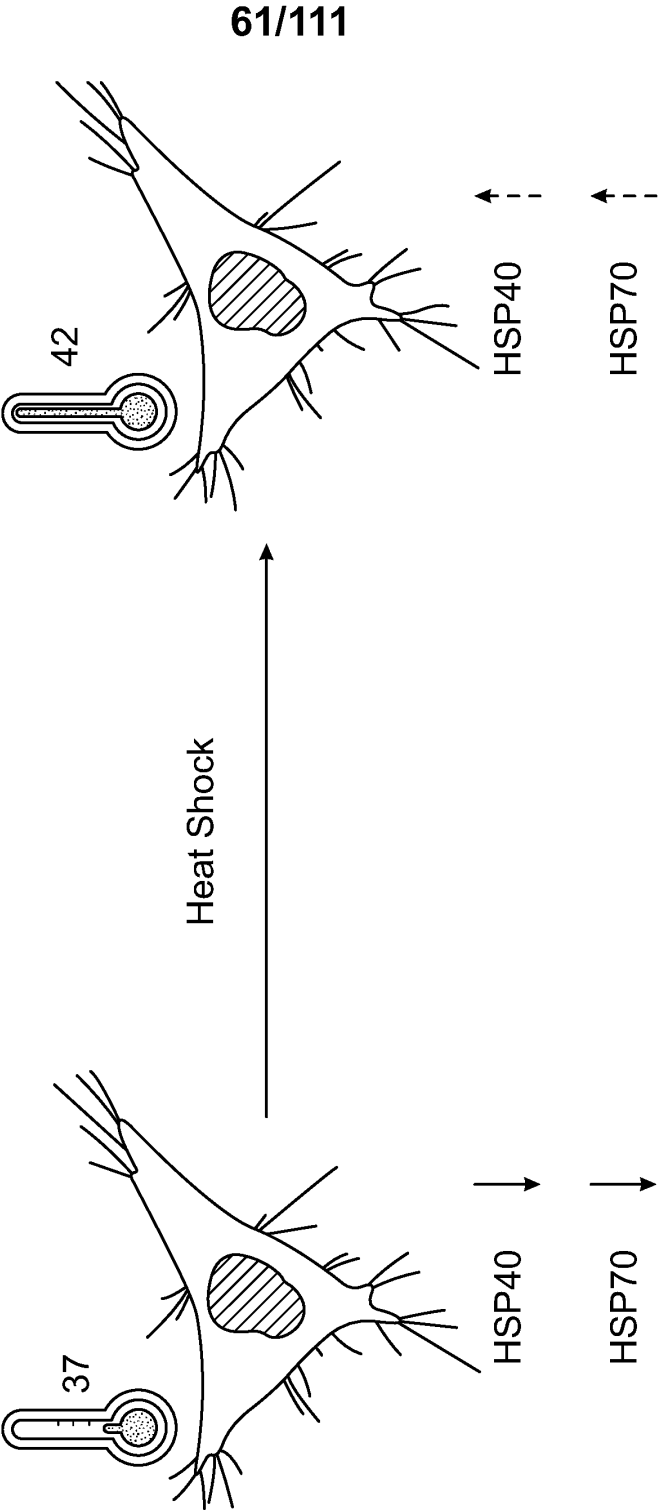


FIG. 43A

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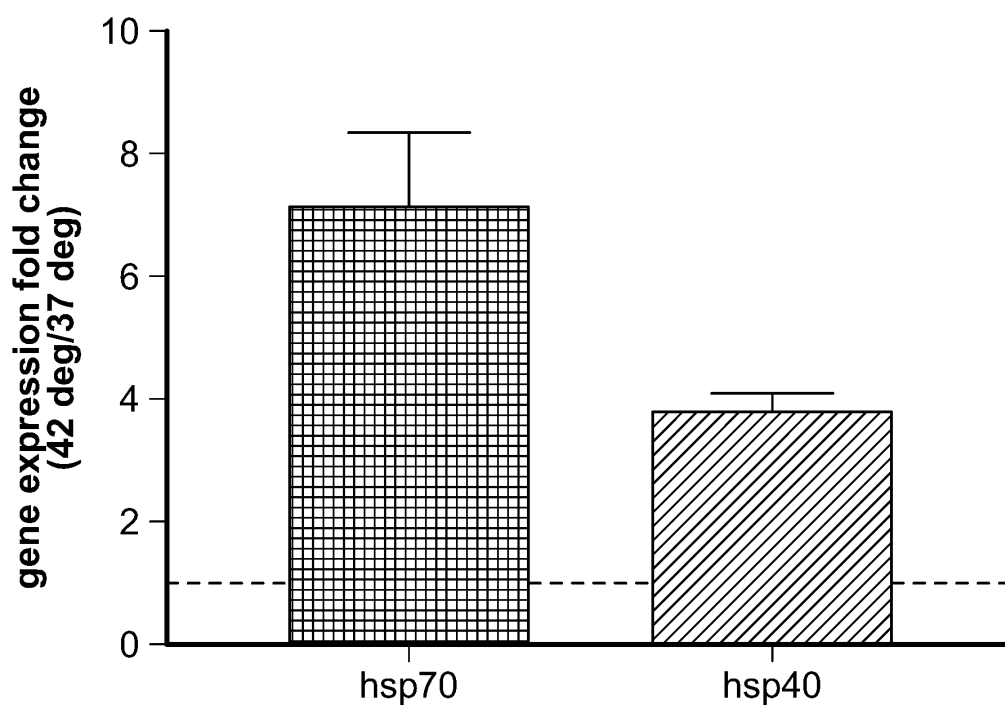


FIG. 43B

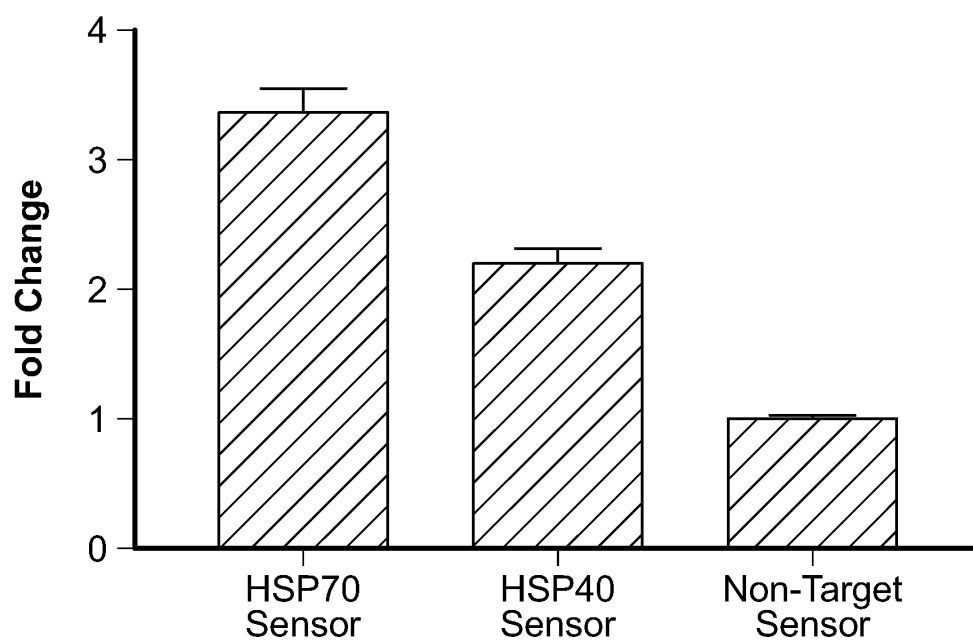
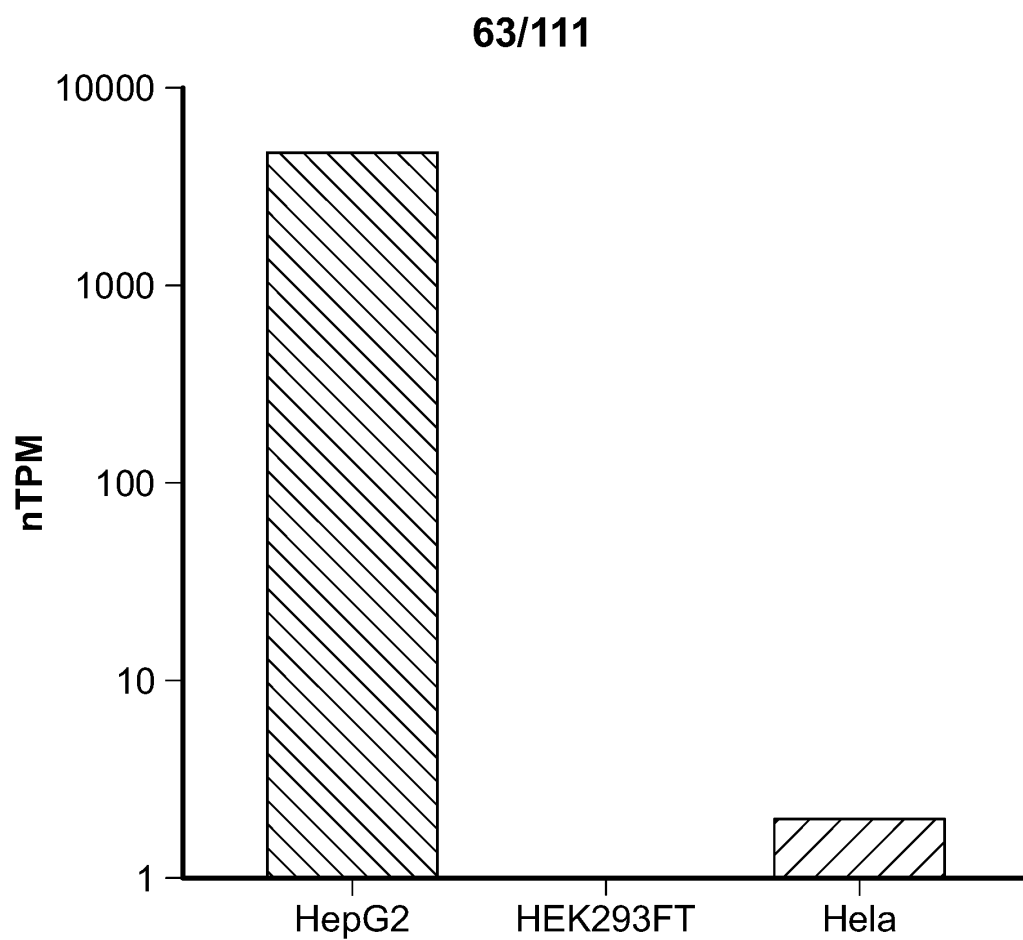
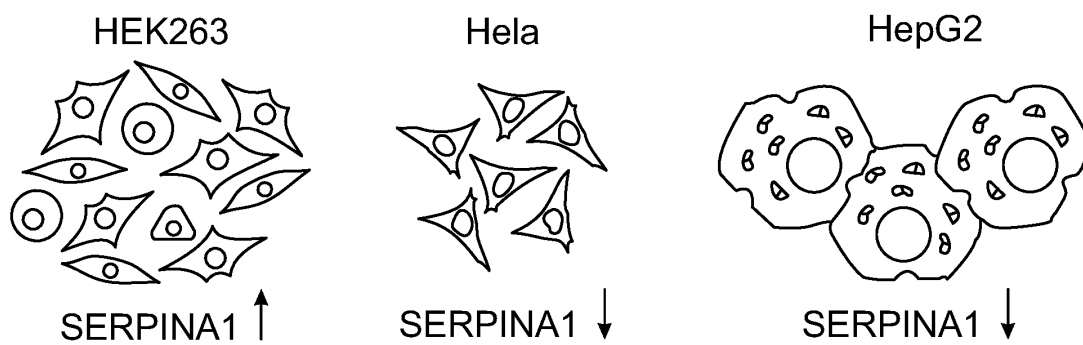


FIG. 43C

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

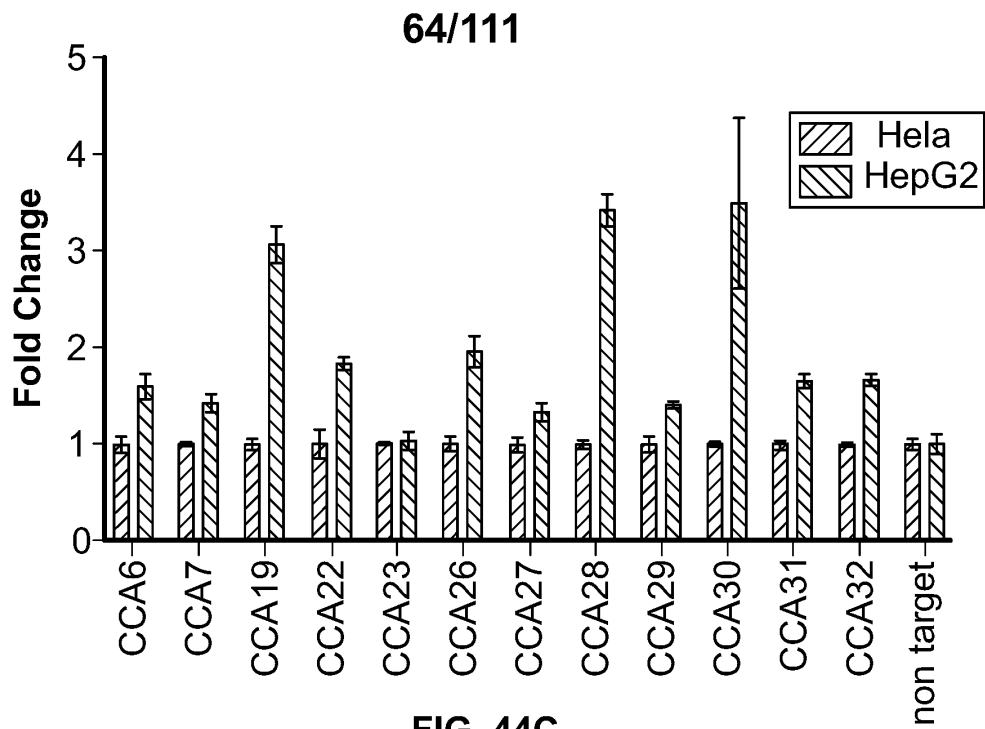


FIG. 44C

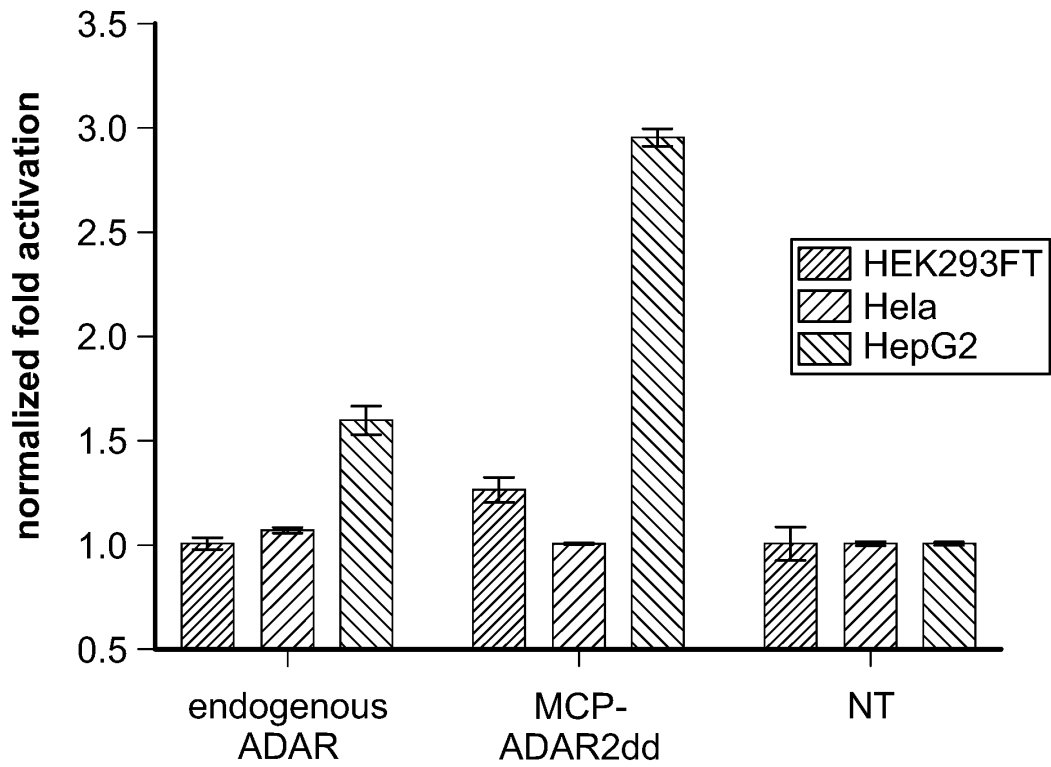


FIG. 44D

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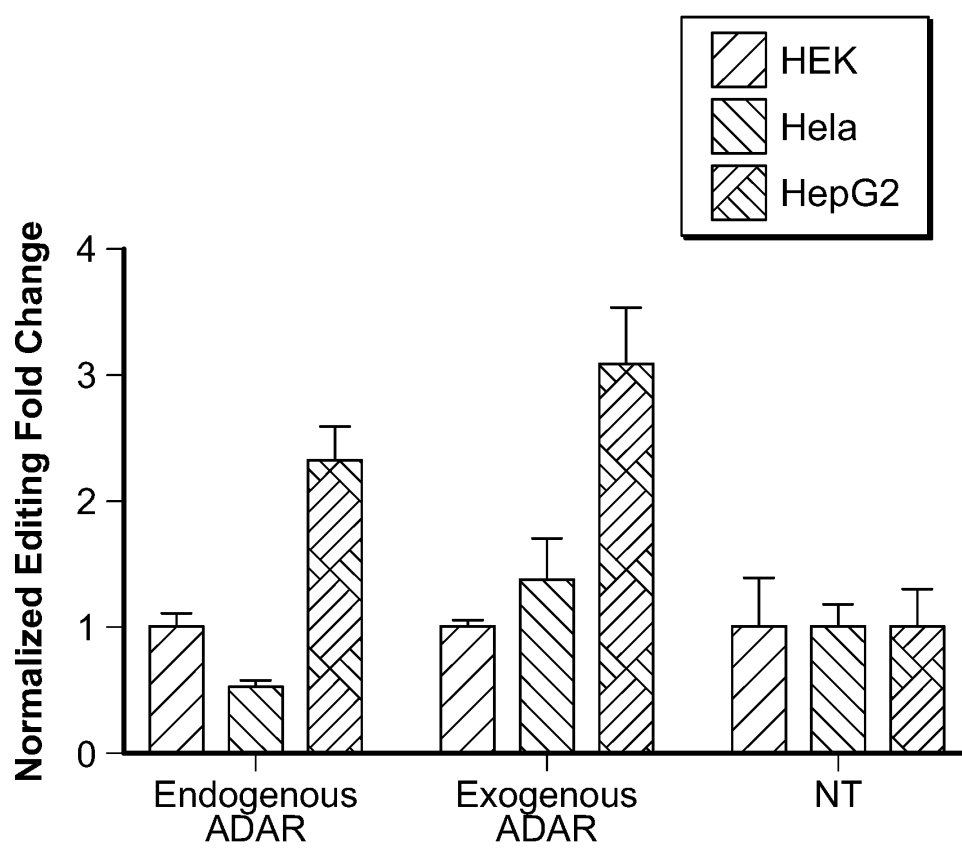
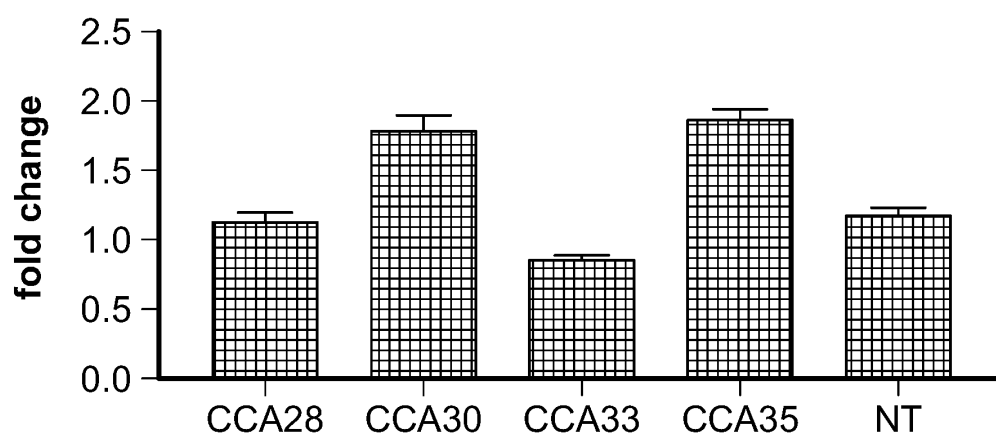


FIG. 45

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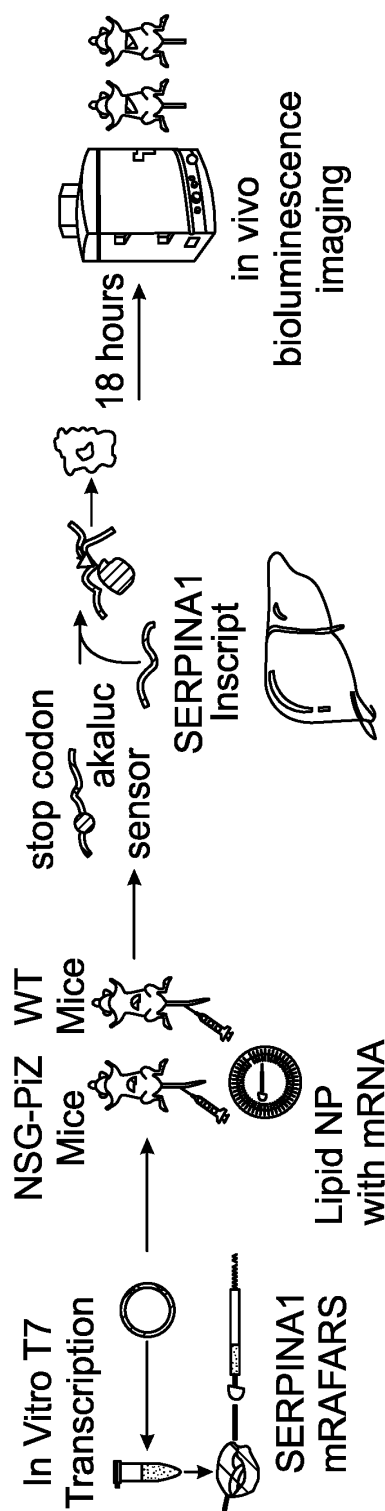


FIG. 47A

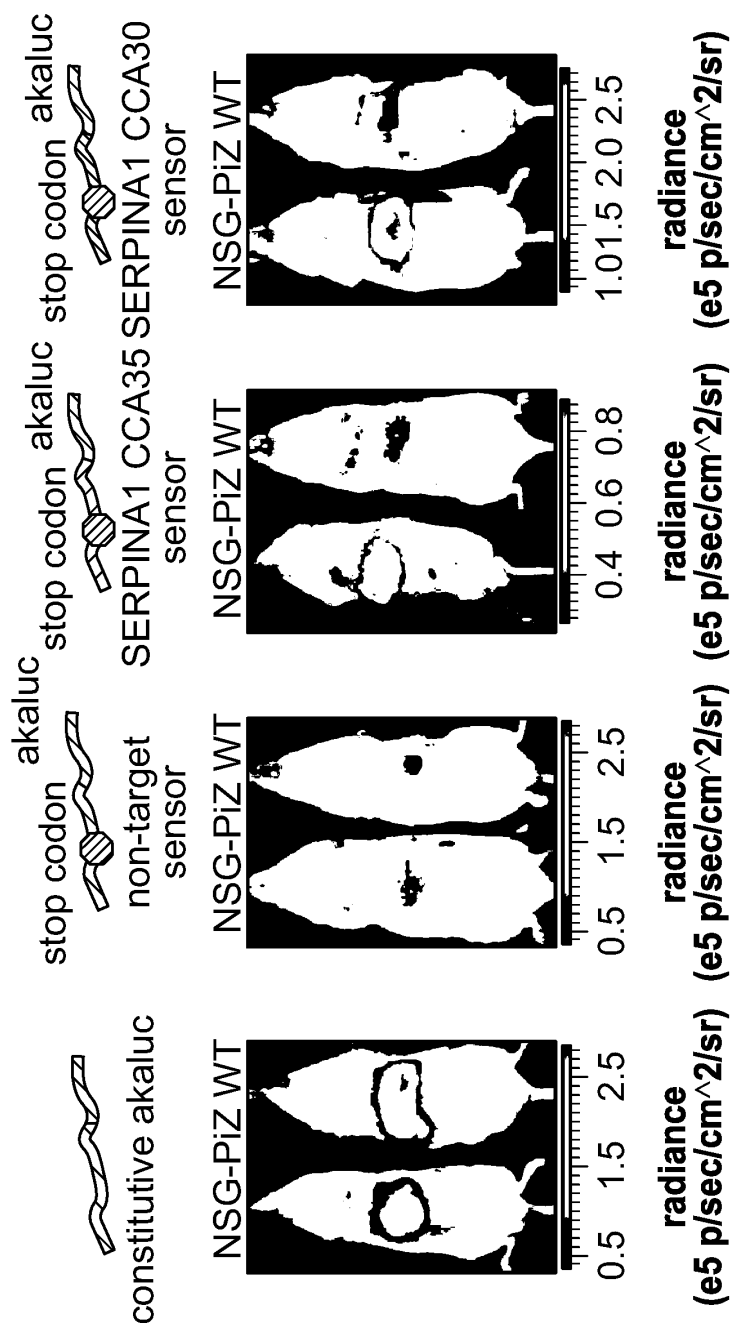


FIG. 47B

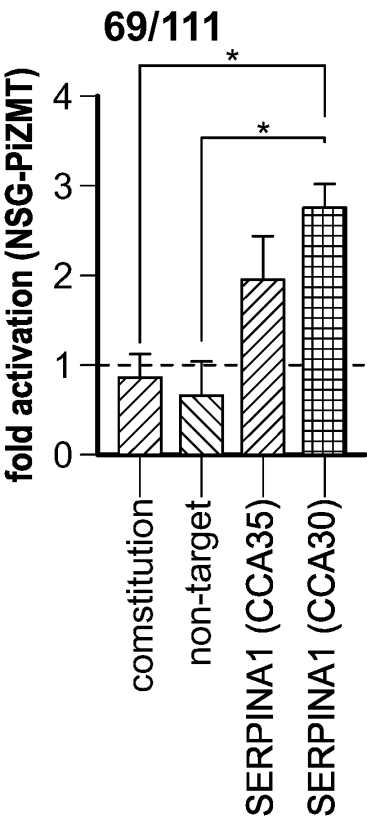


FIG. 48A

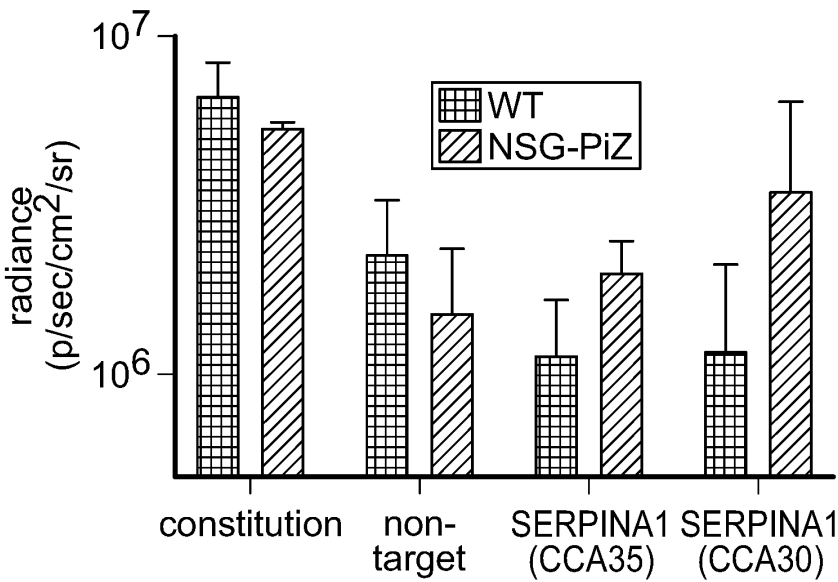
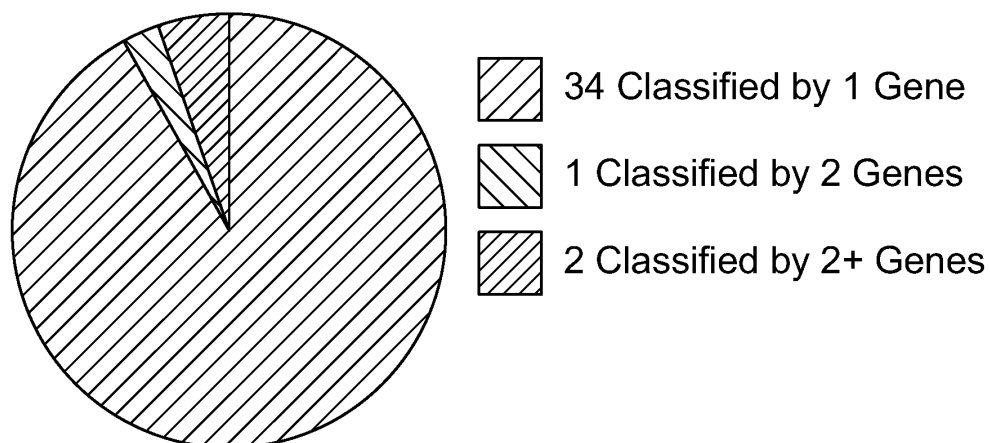
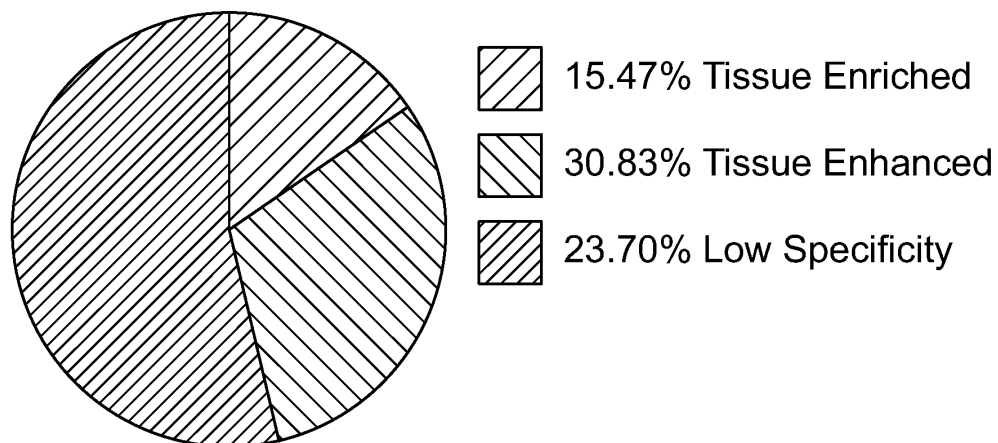


FIG. 48B

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

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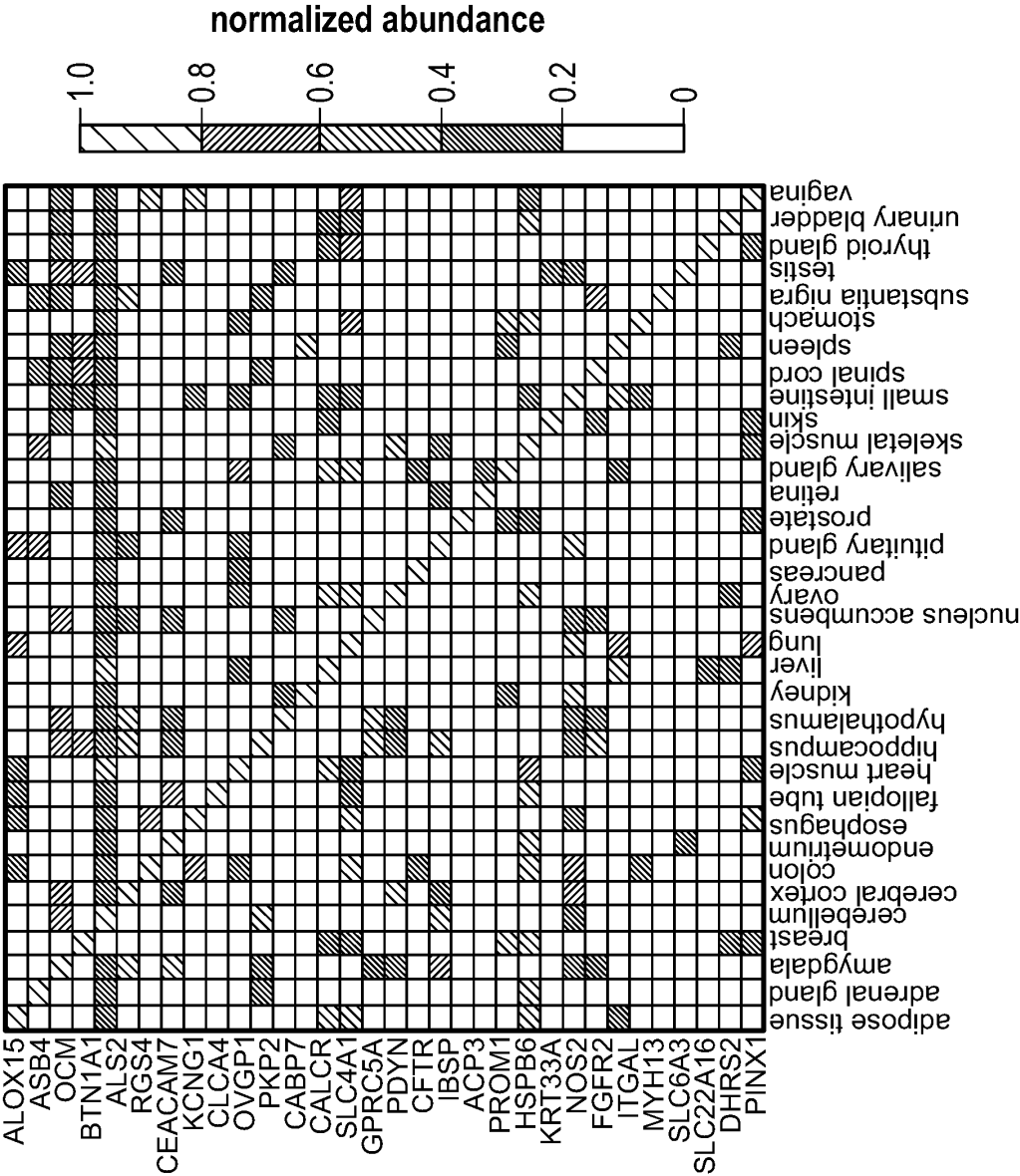


FIG. 49C

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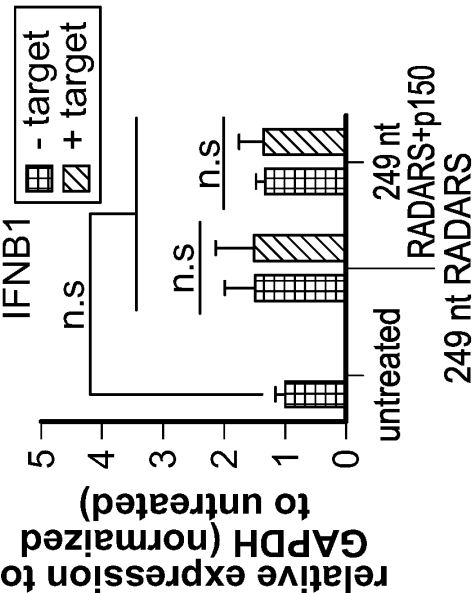


FIG. 50B

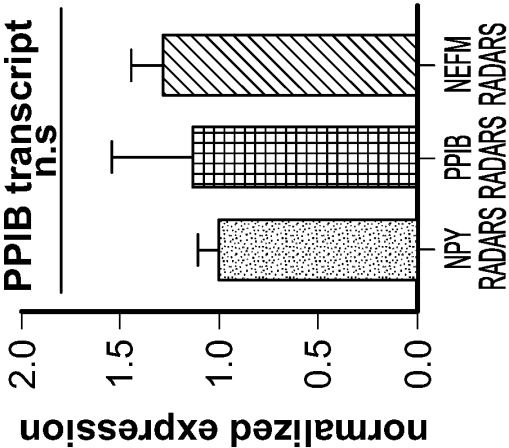


FIG. 50D

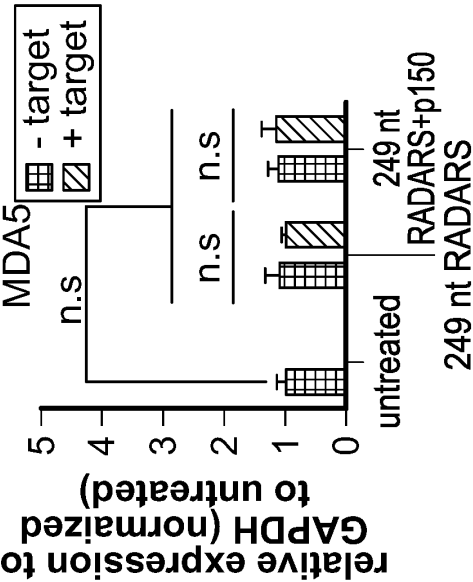


FIG. 50A

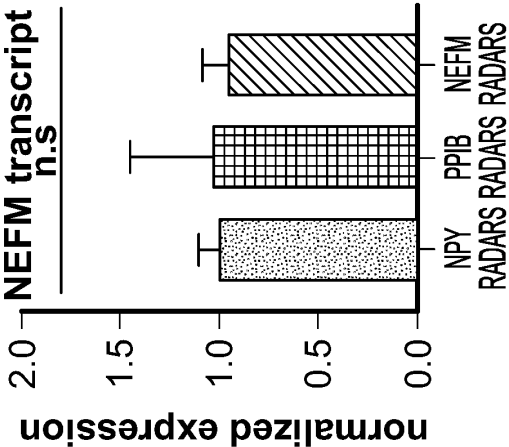
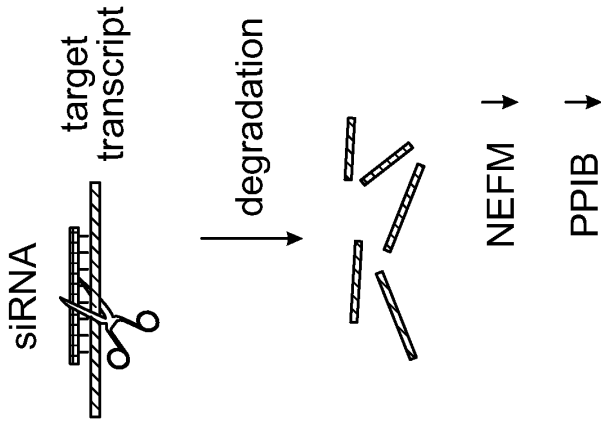
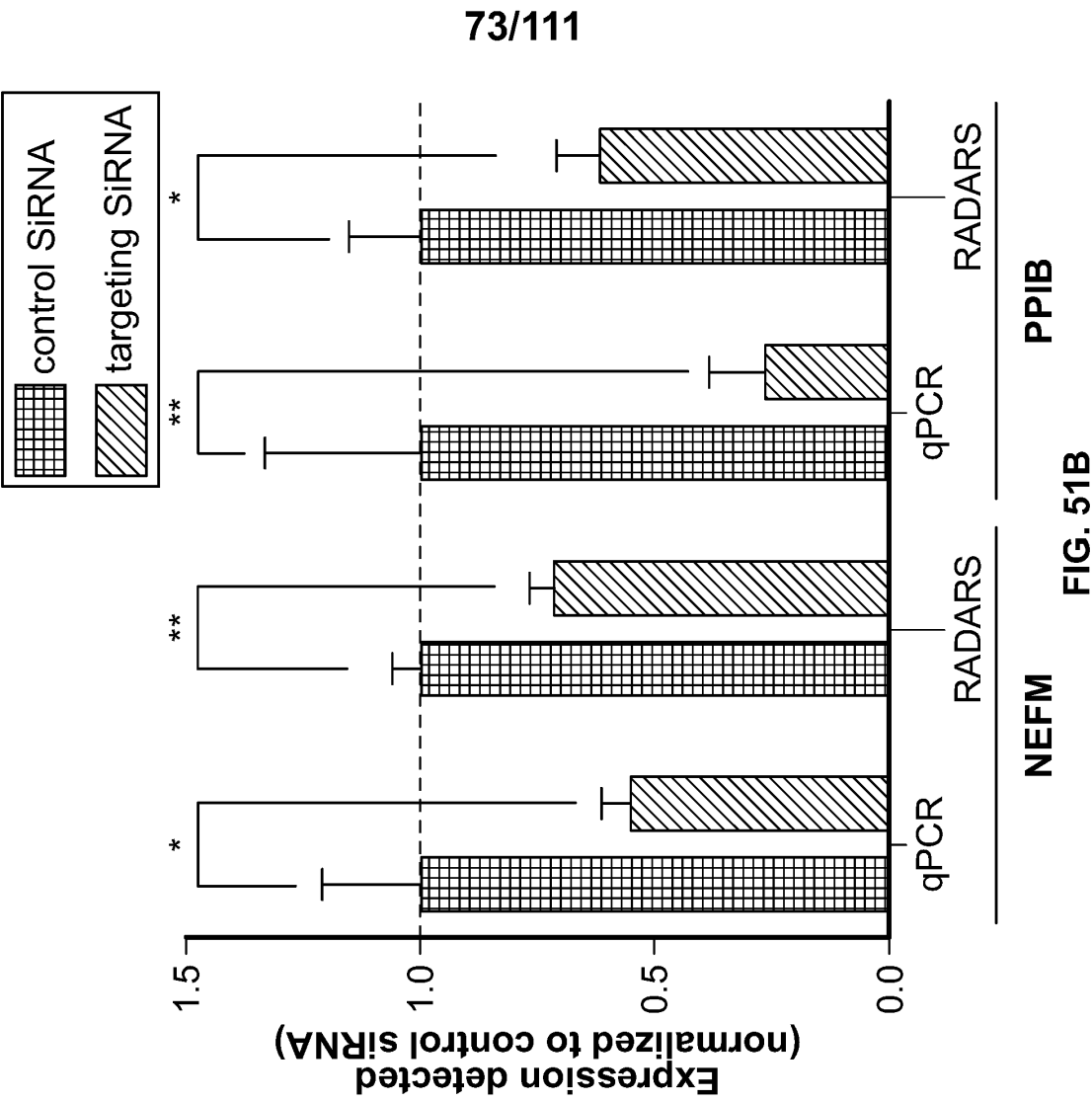


FIG. 50C



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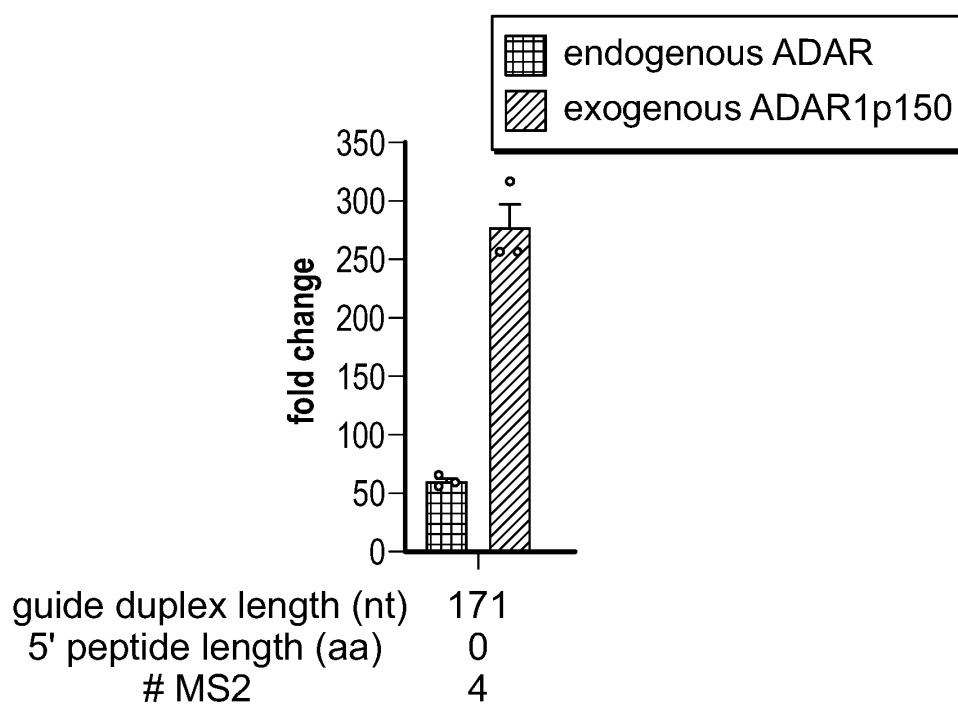


FIG. 52

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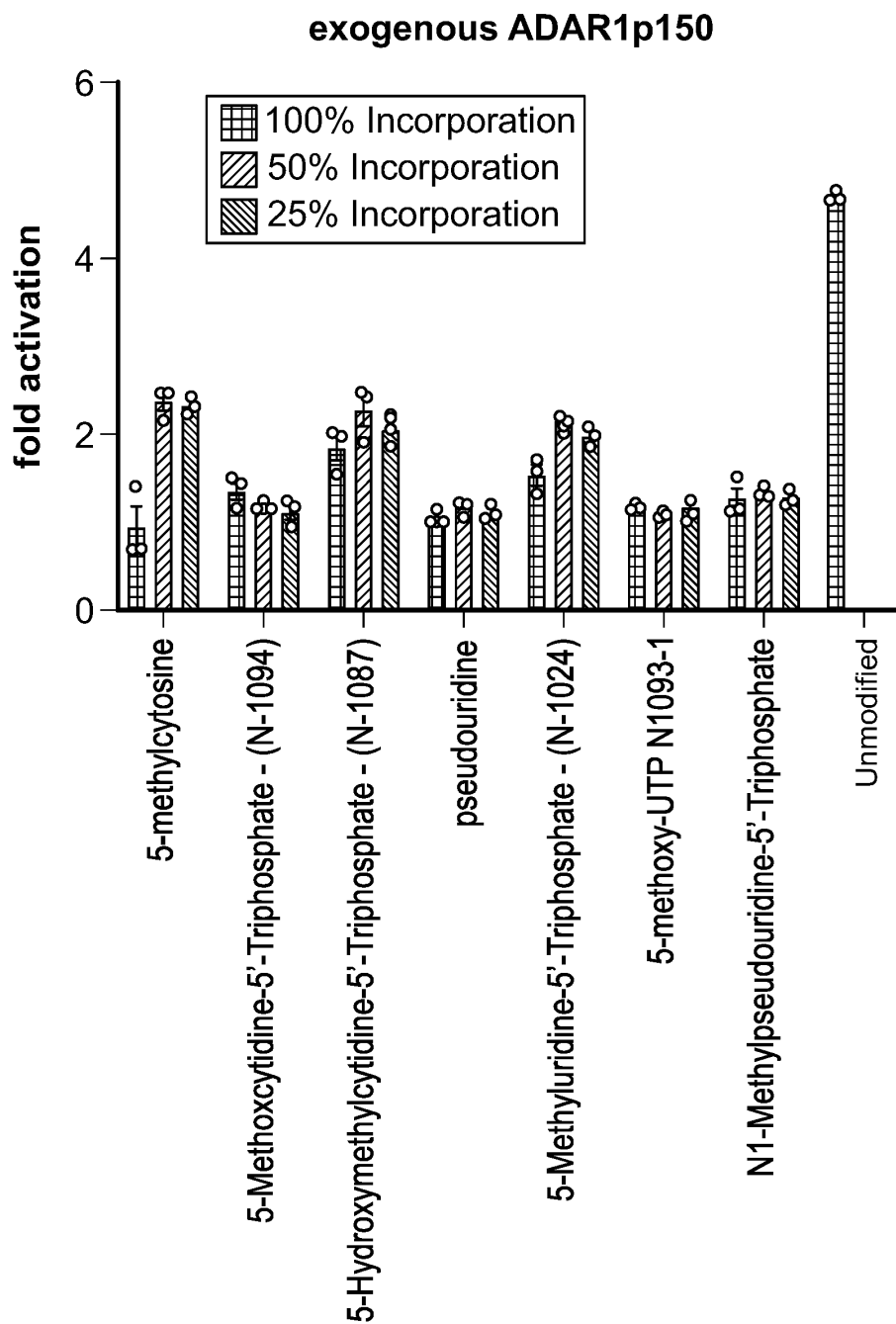


FIG. 53A

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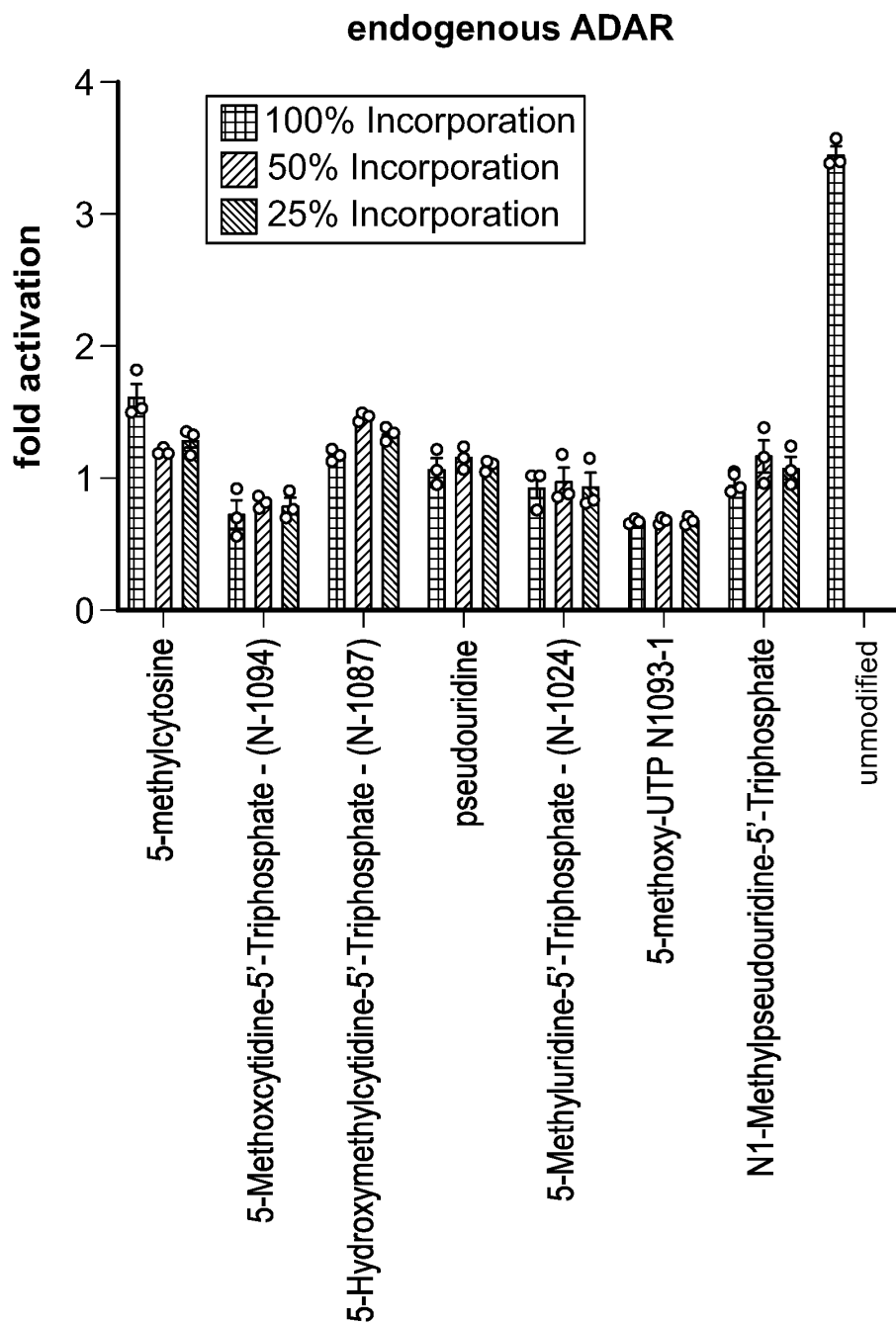


FIG. 53B

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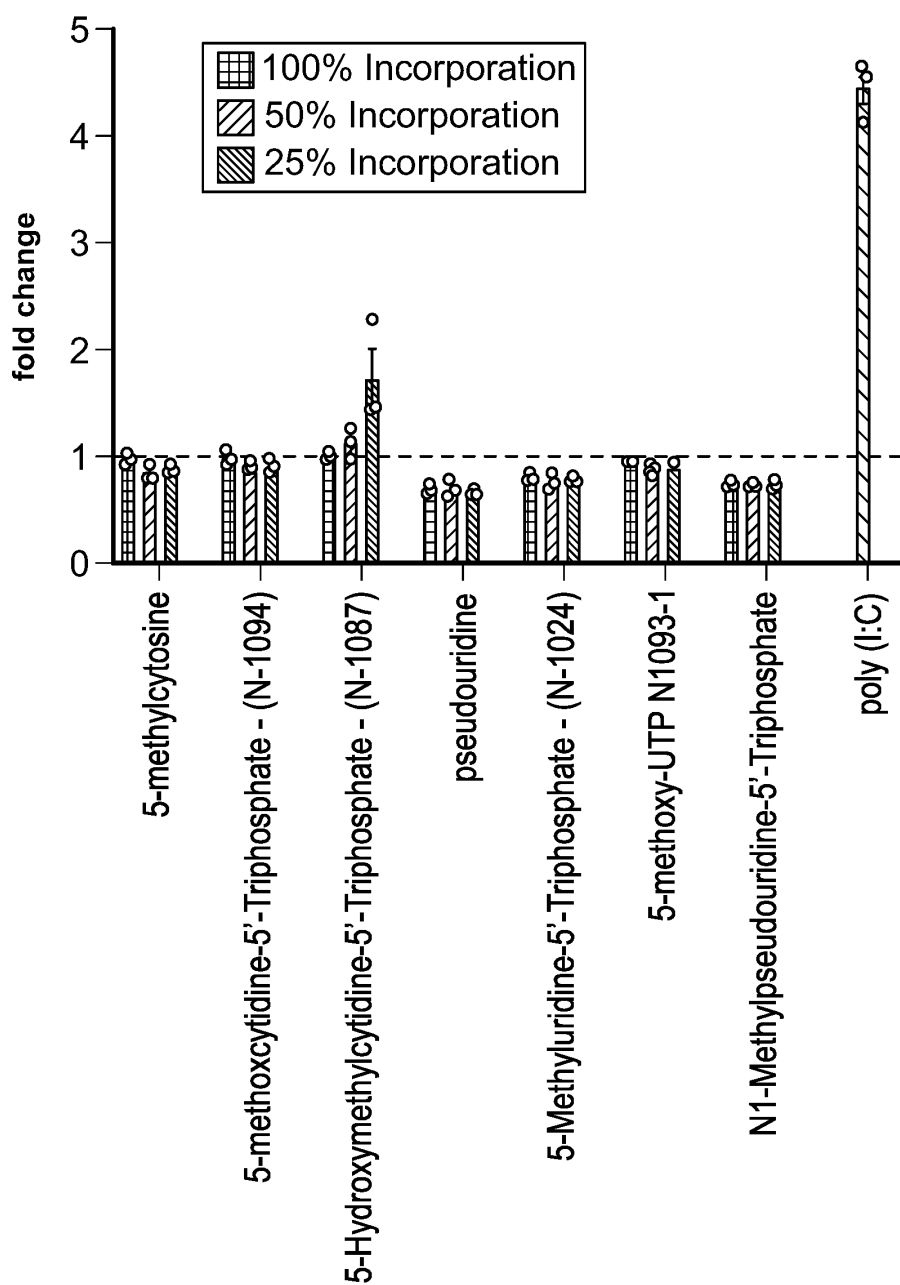


FIG. 53C

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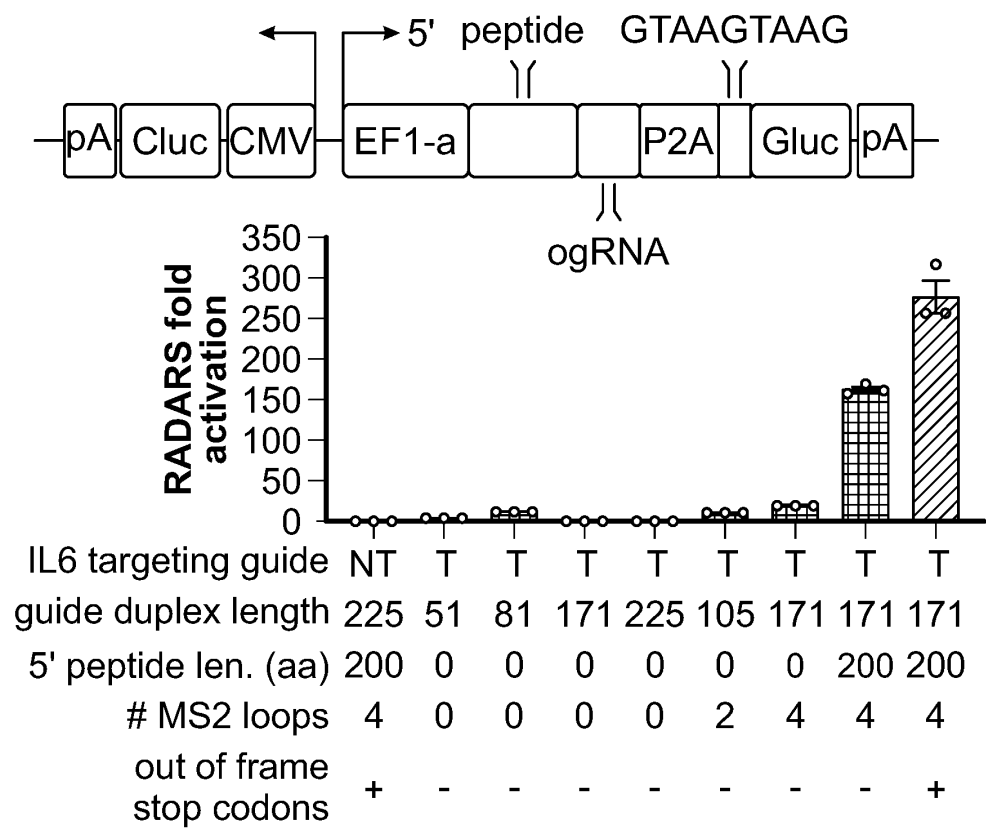


FIG. 54A

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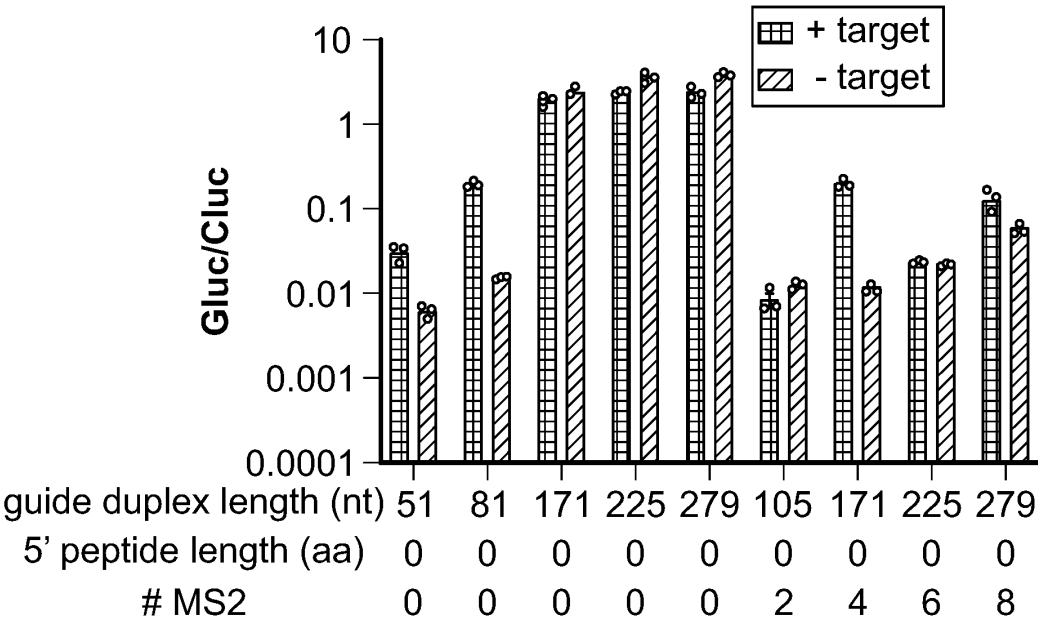


FIG. 54B

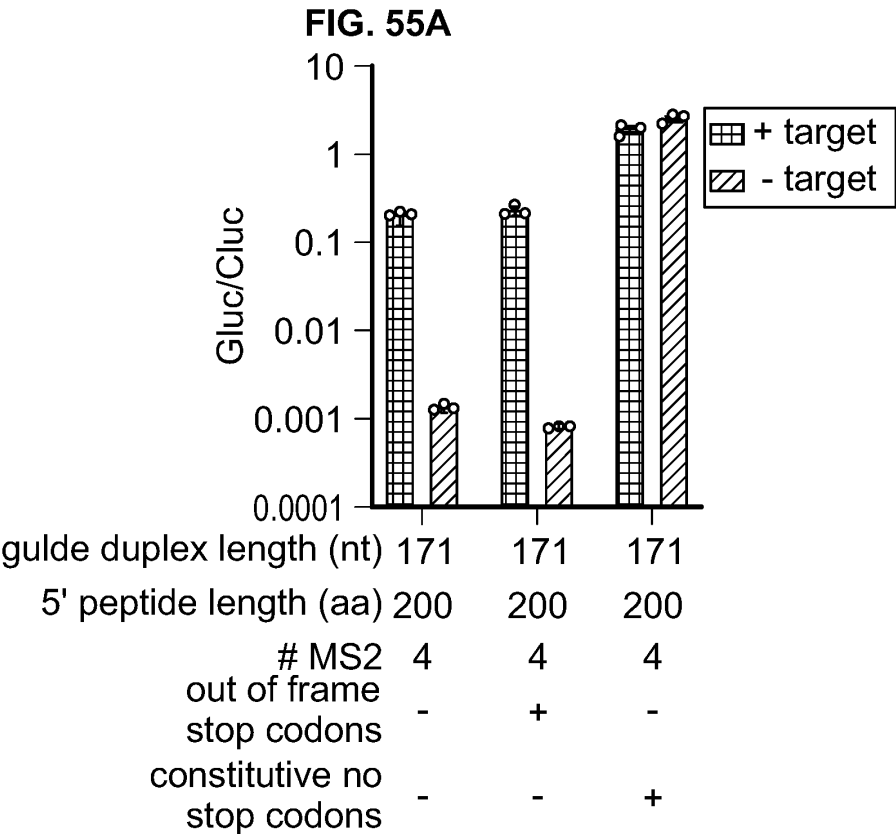
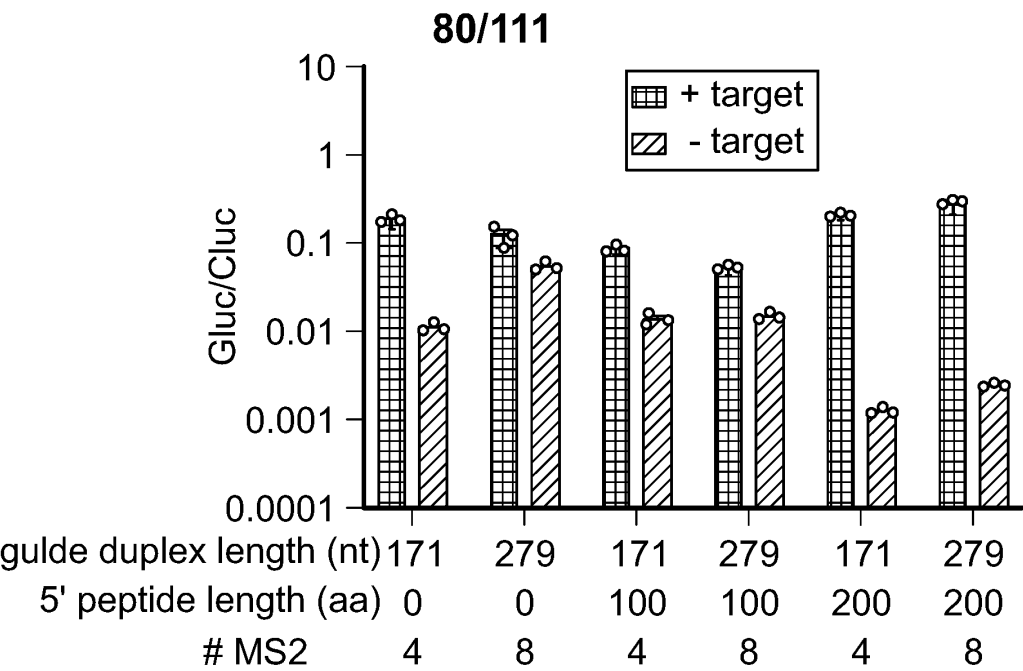


FIG. 55B

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CCA OgRNA tiling on target target transcript

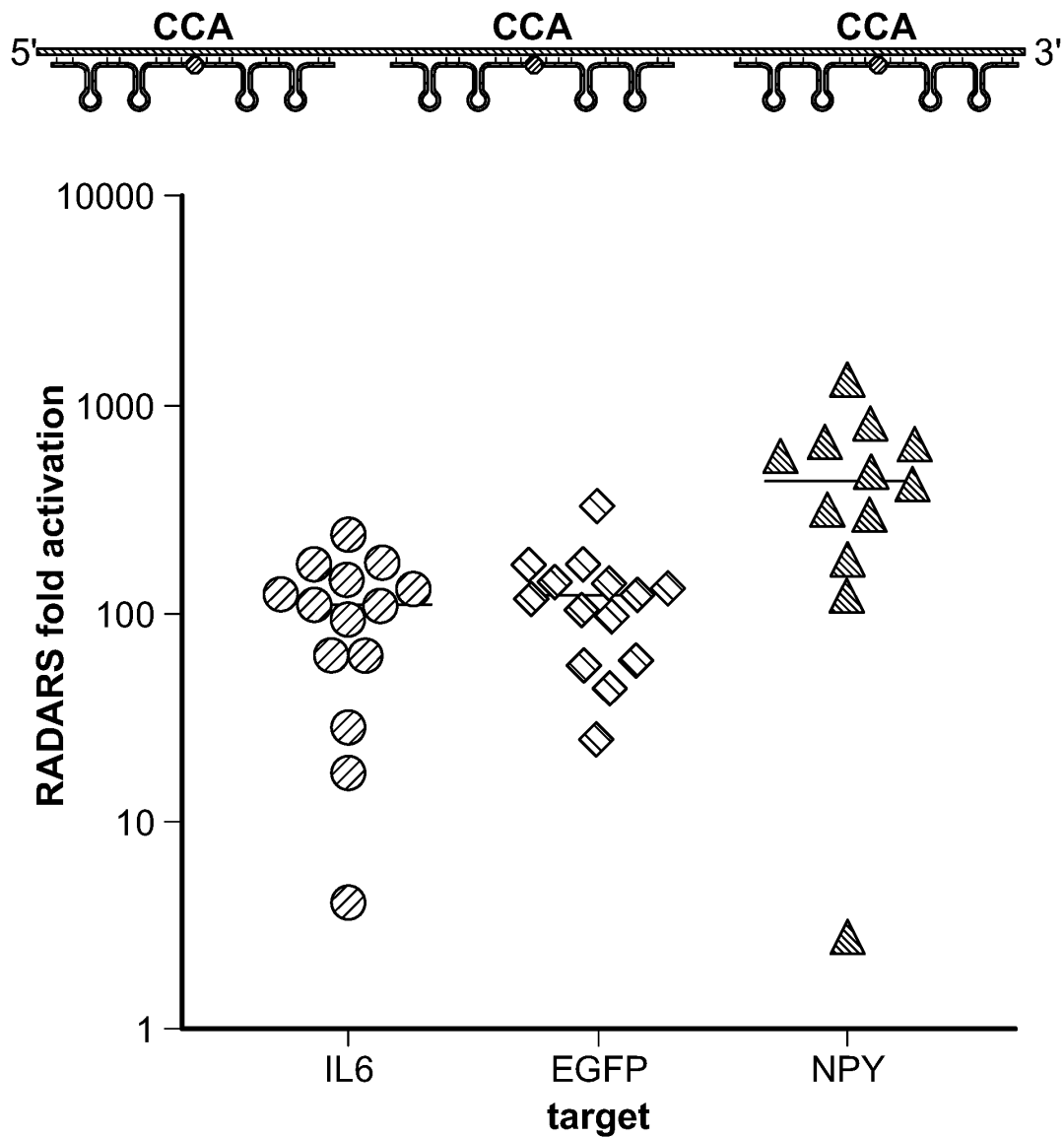


FIG. 56A

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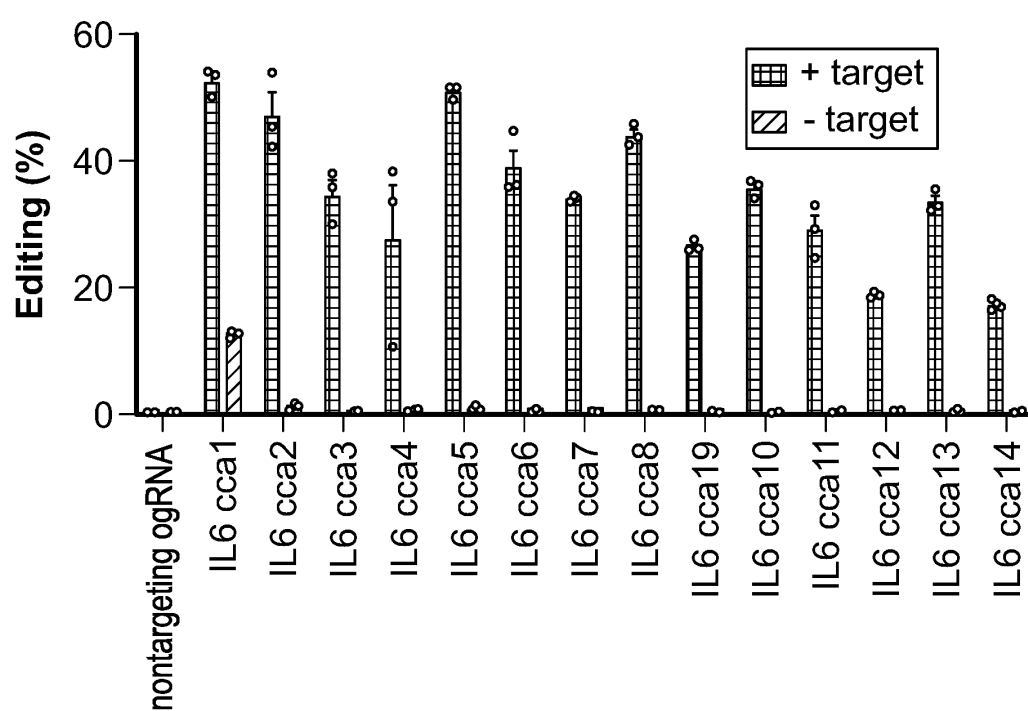


FIG. 56B

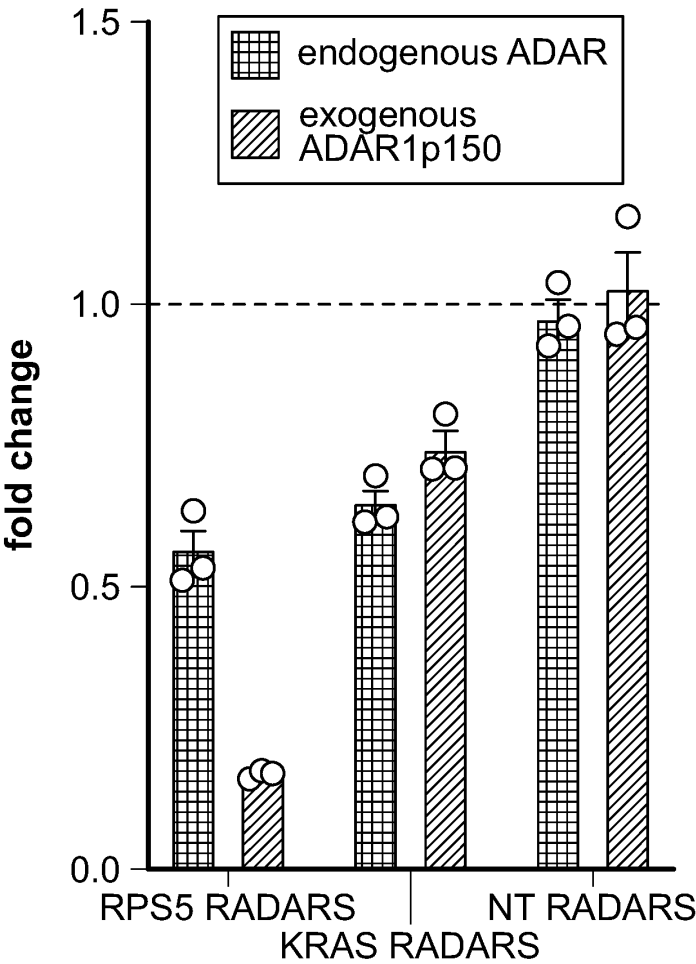


FIG. 57

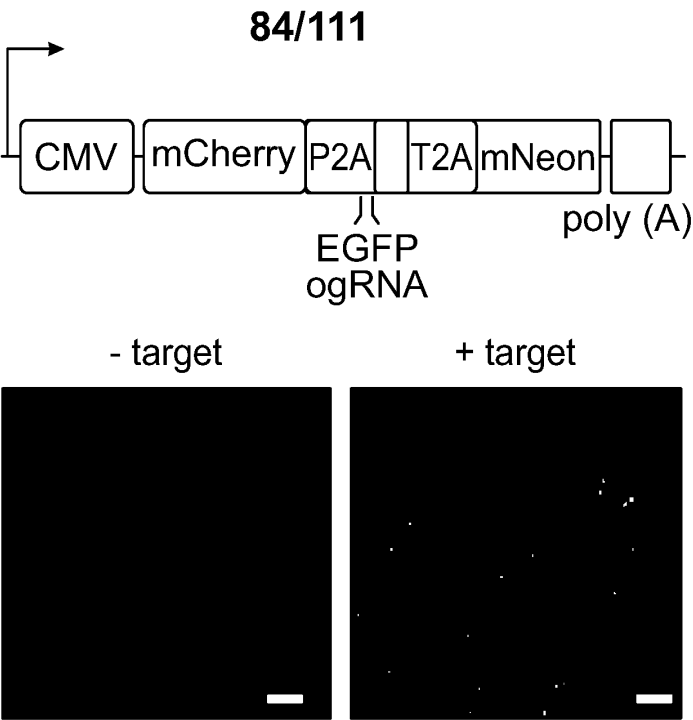


FIG. 58A

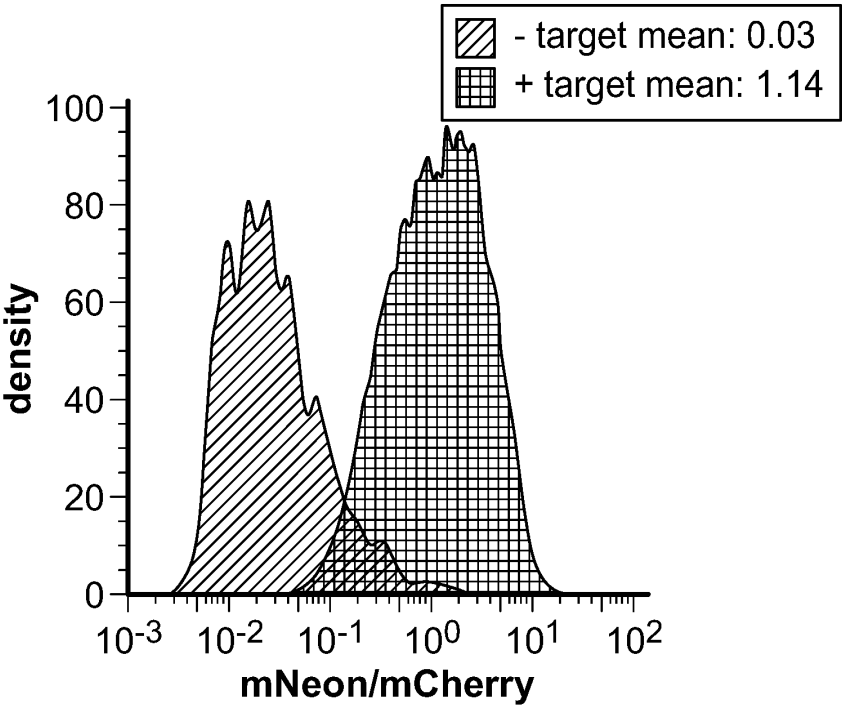
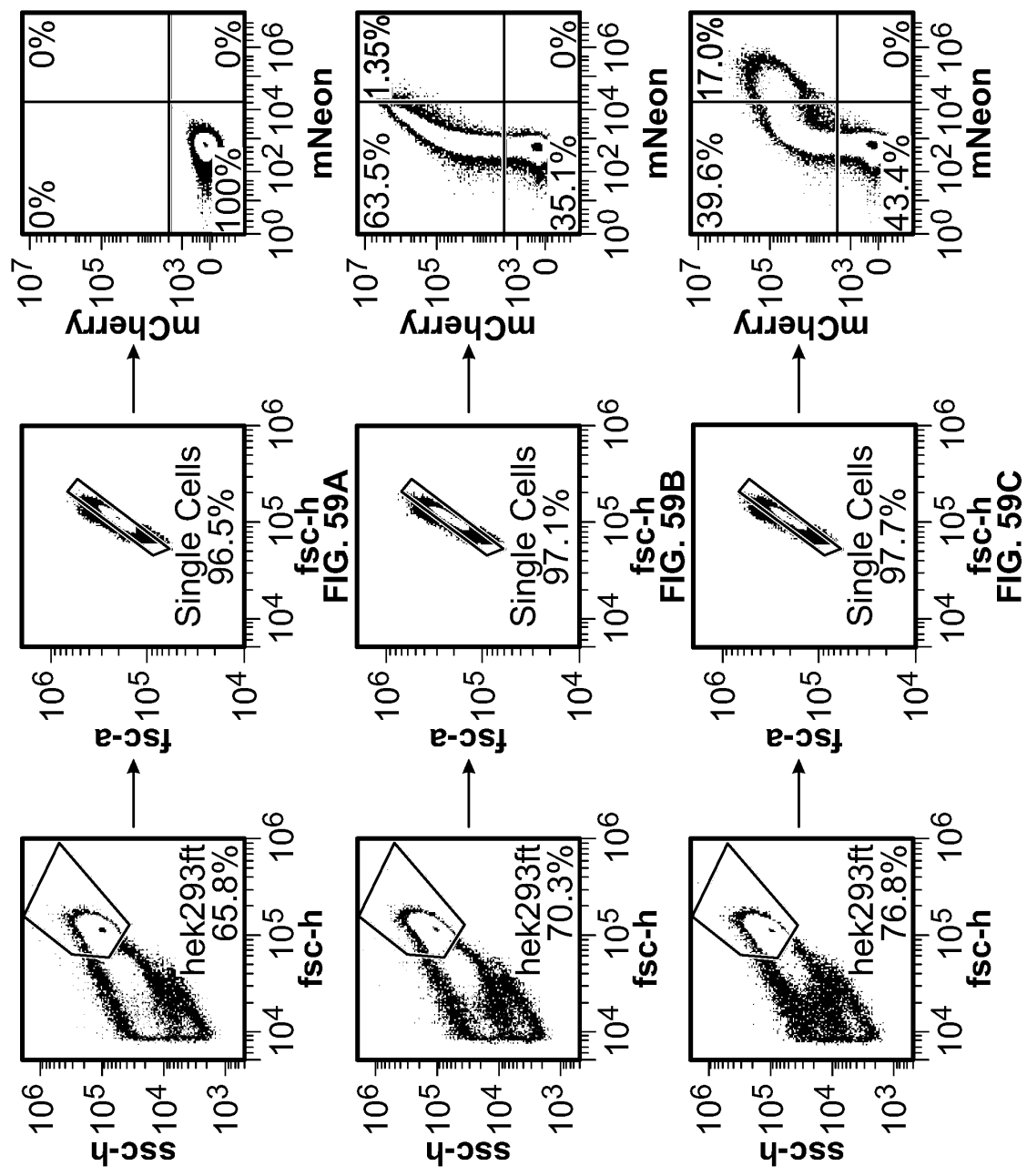


FIG. 58B



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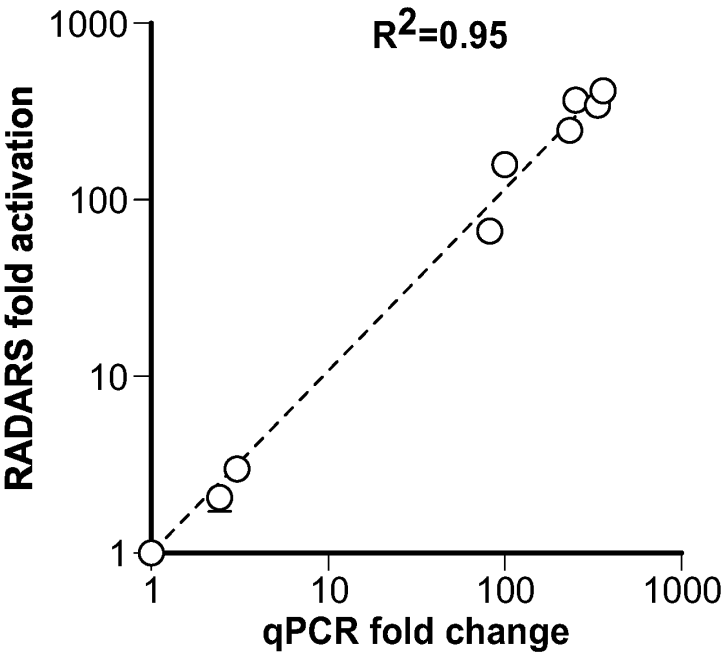


FIG. 60A

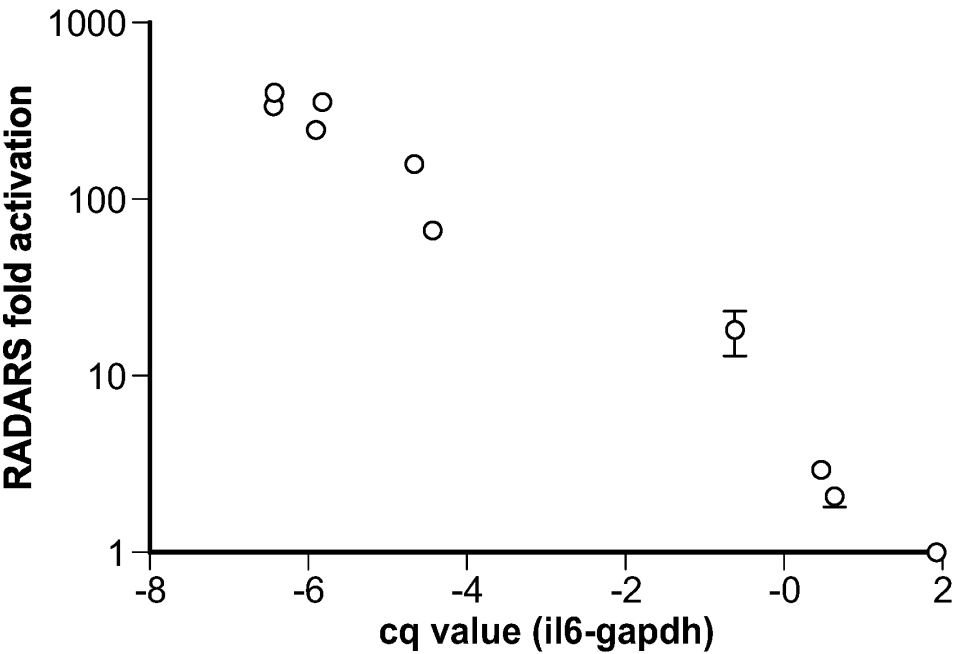


FIG. 60B

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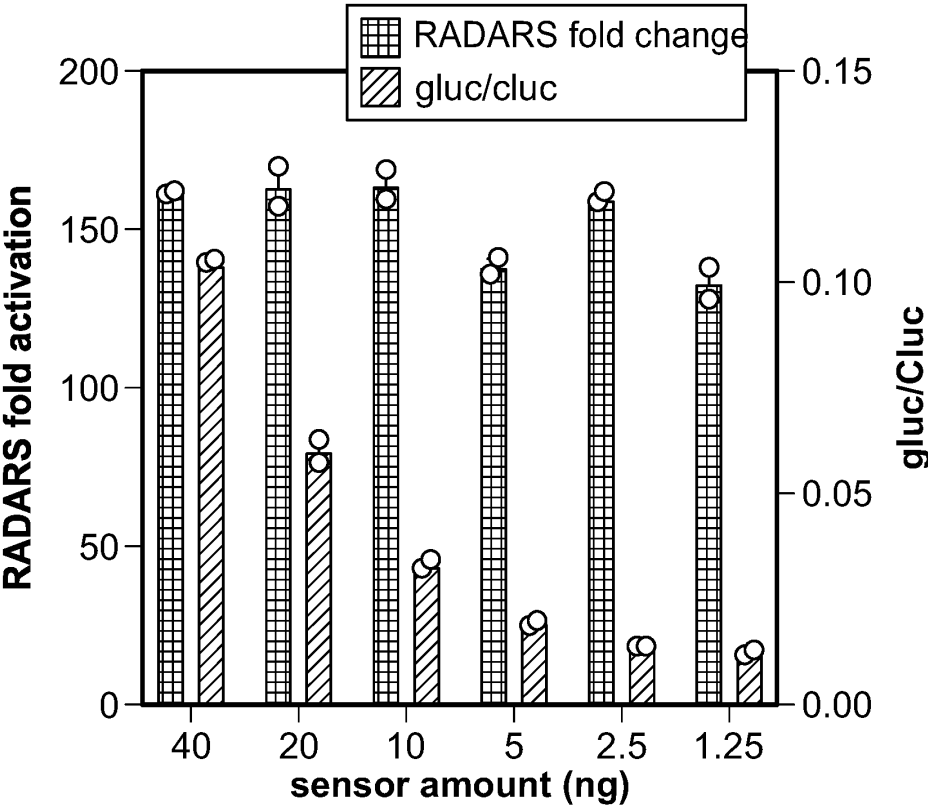


FIG. 60C

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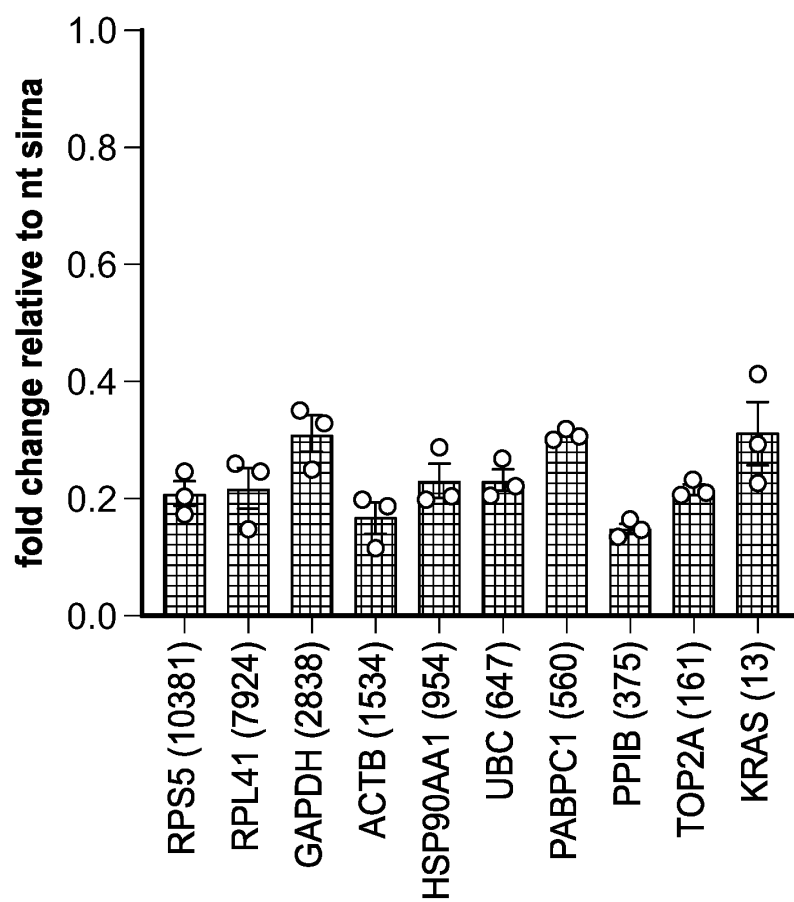


FIG. 61

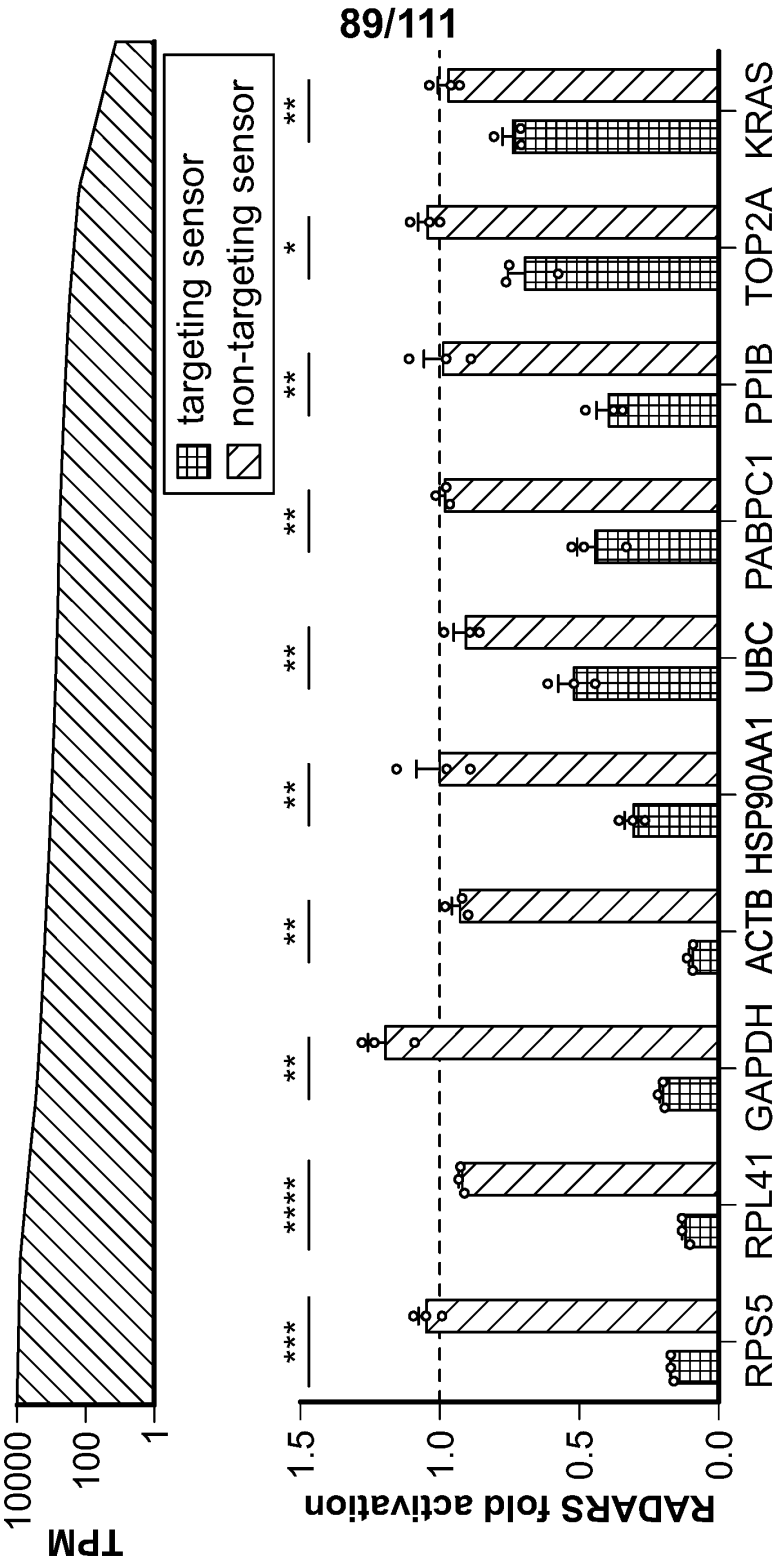


FIG. 62A

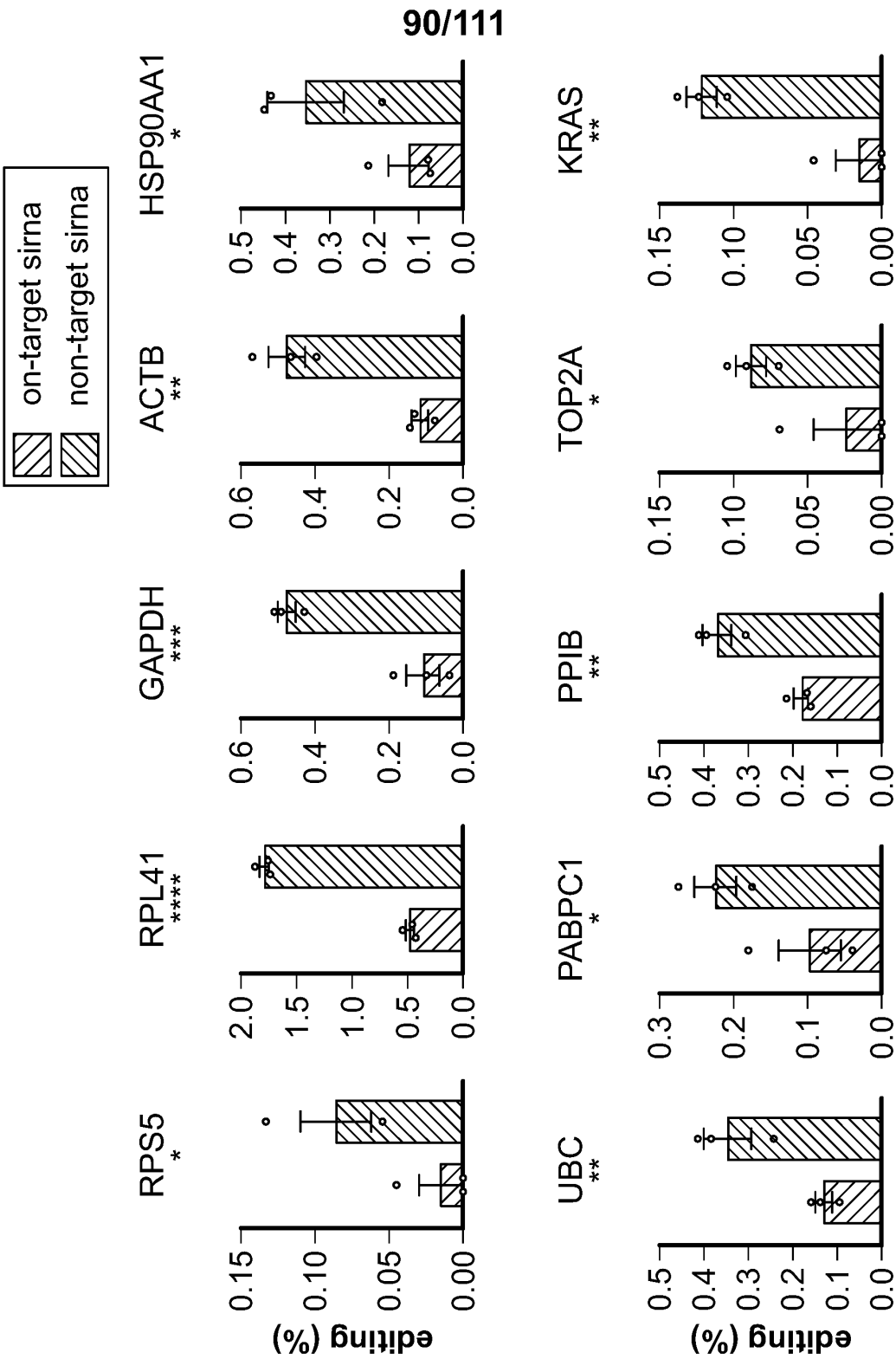


FIG. 62B

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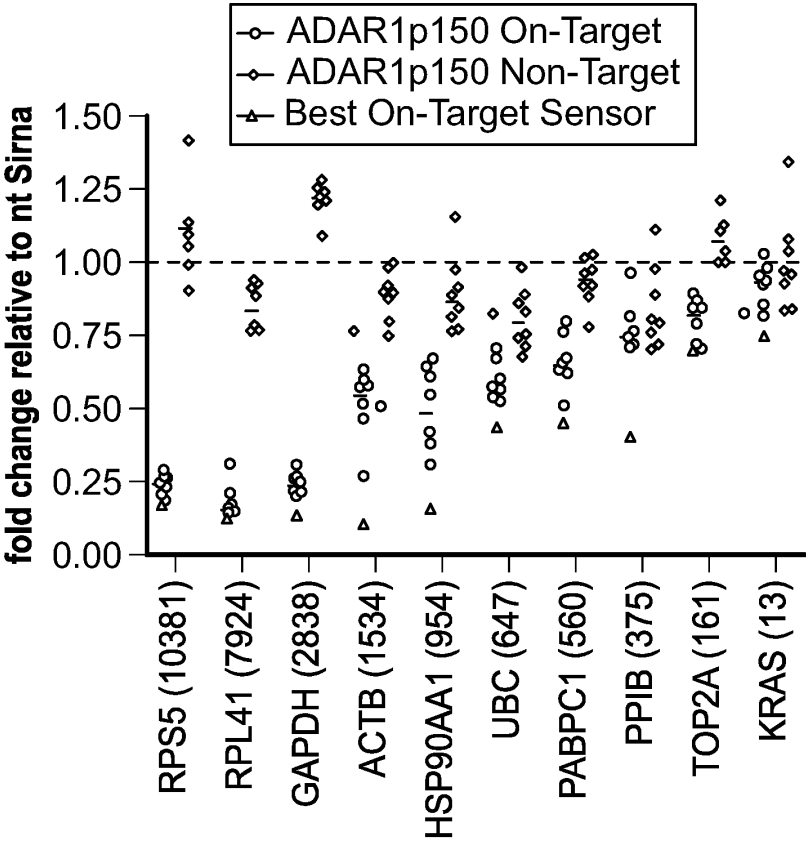


FIG. 63A

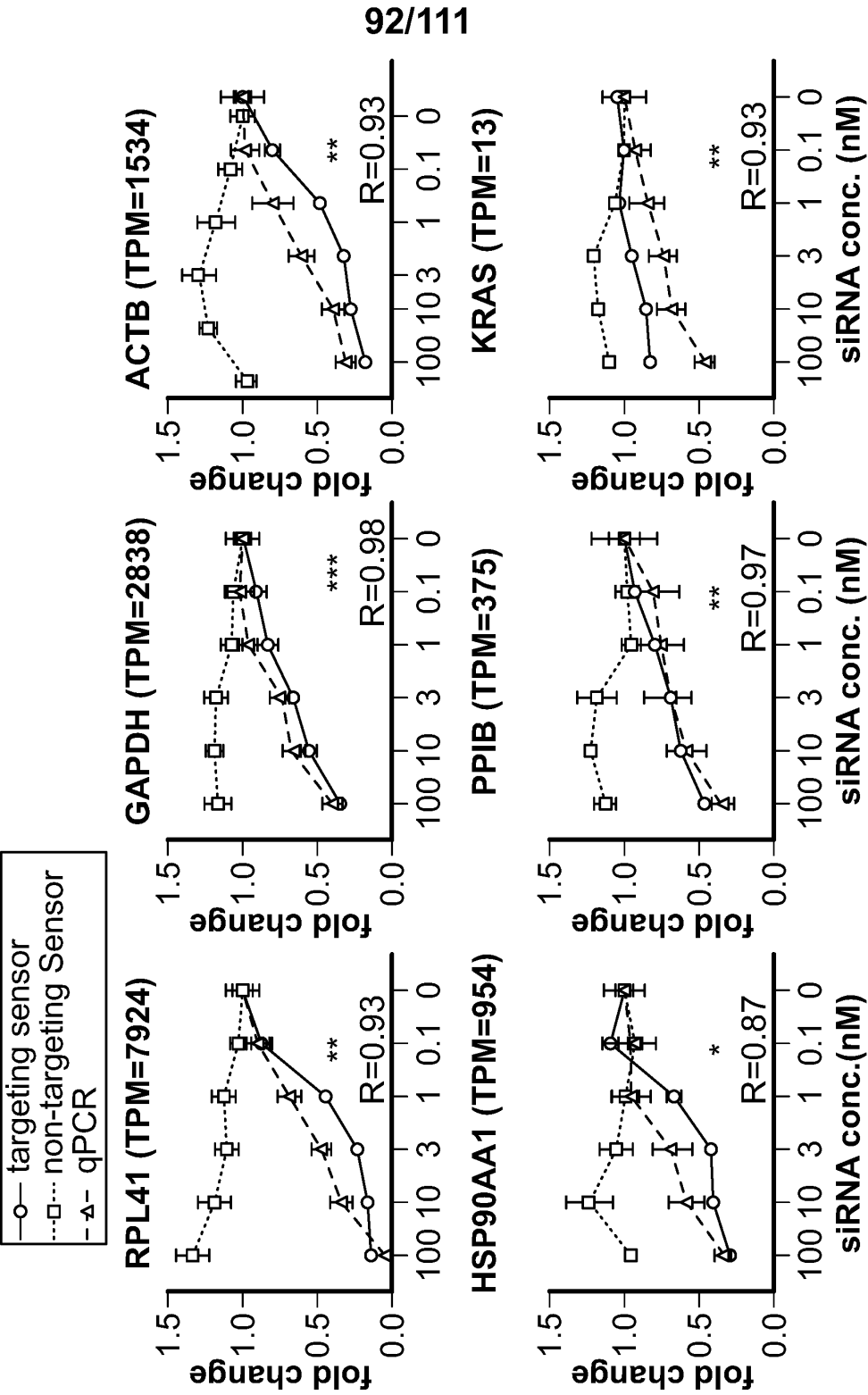


FIG. 63B

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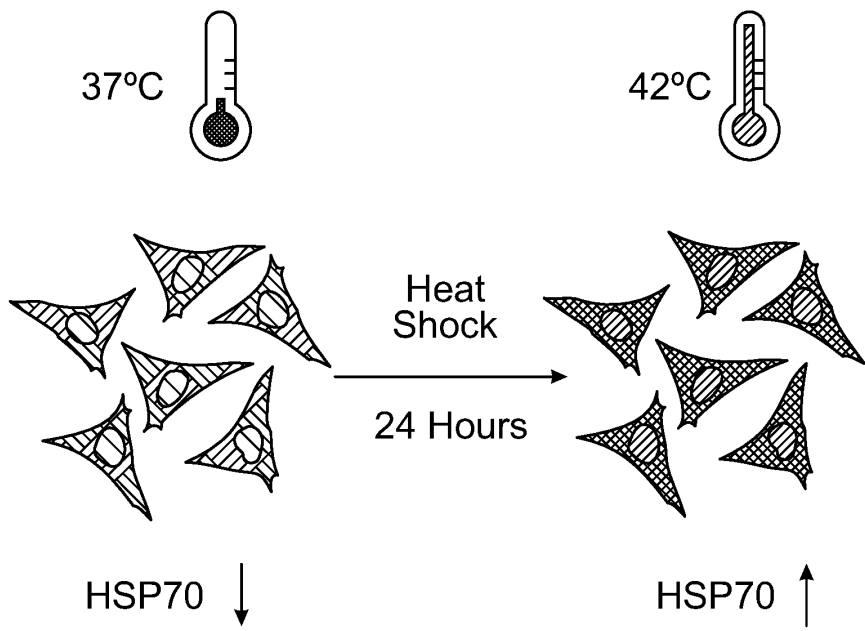


FIG. 64A

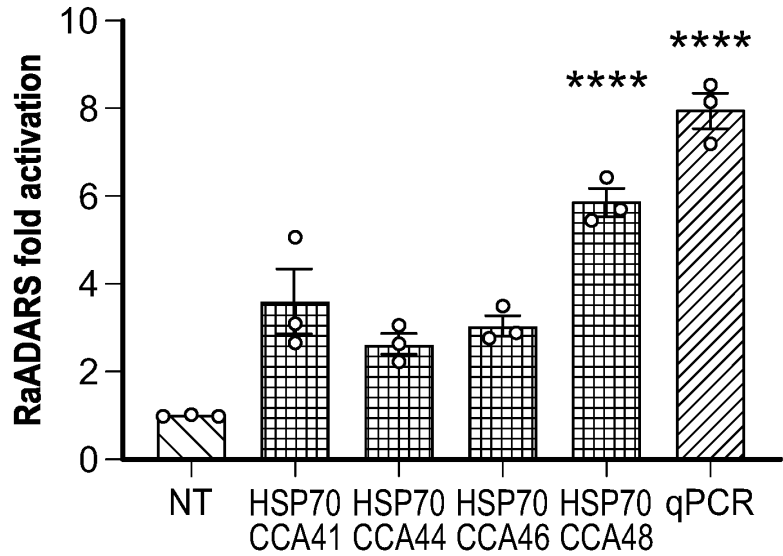


FIG. 64B

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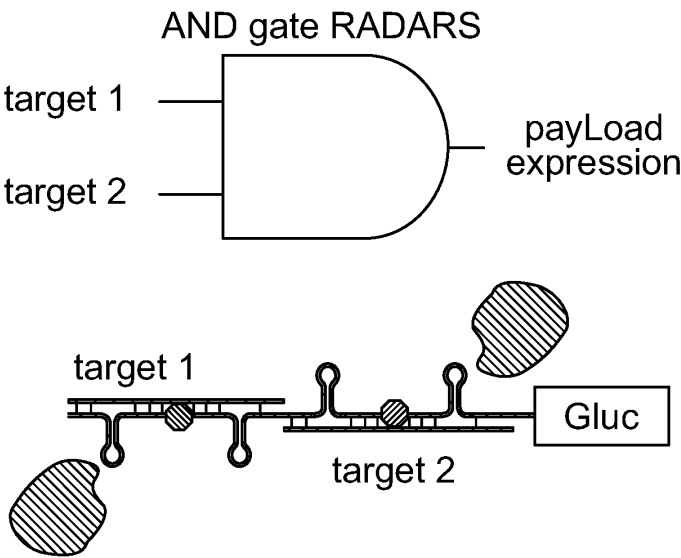


FIG. 65A

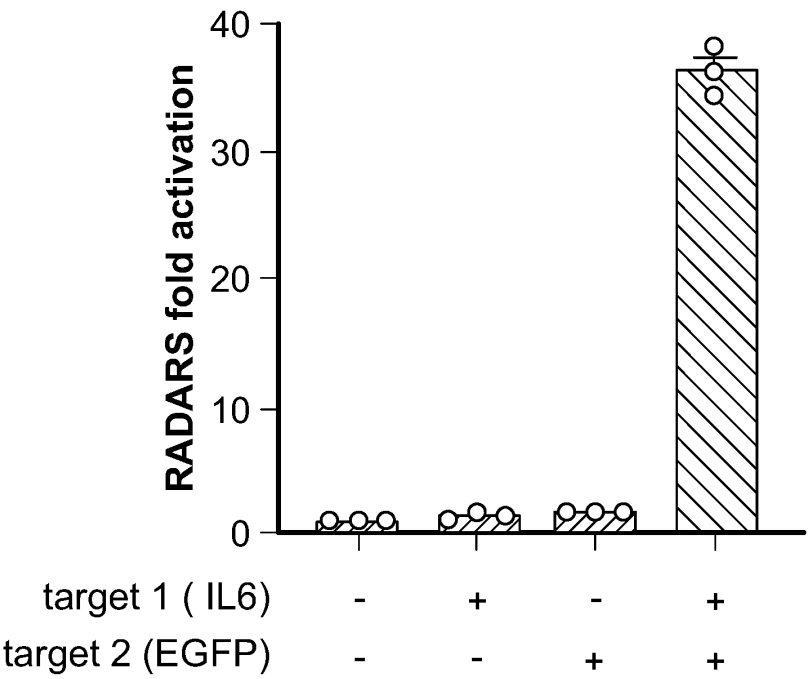
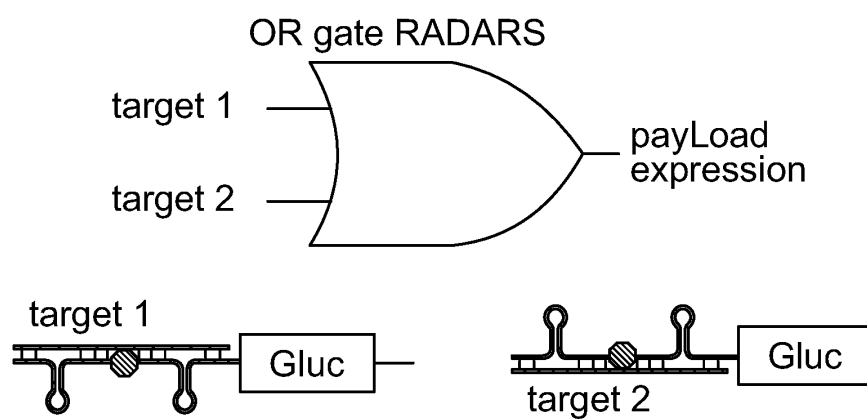
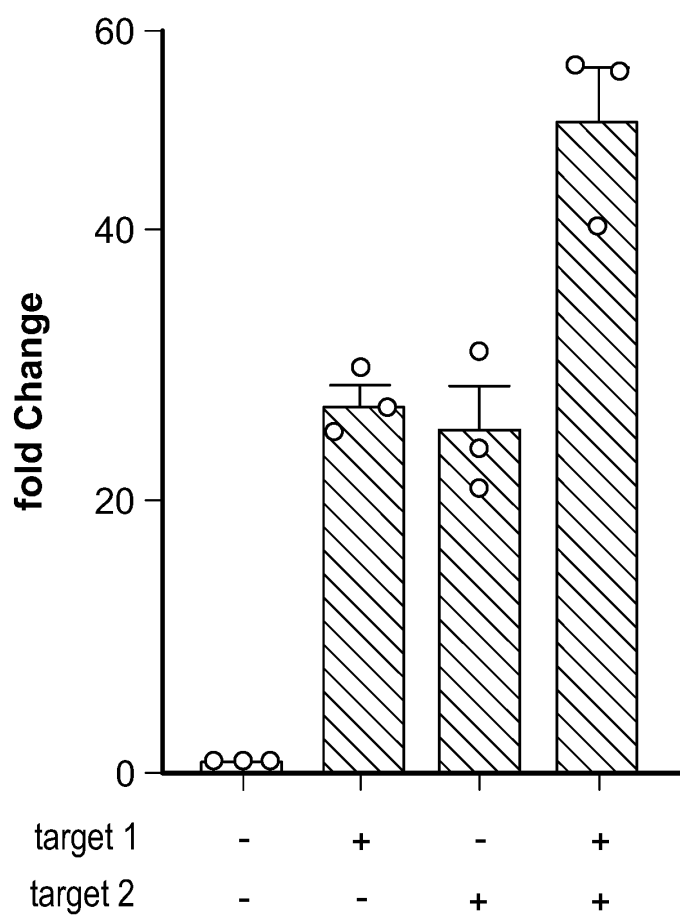
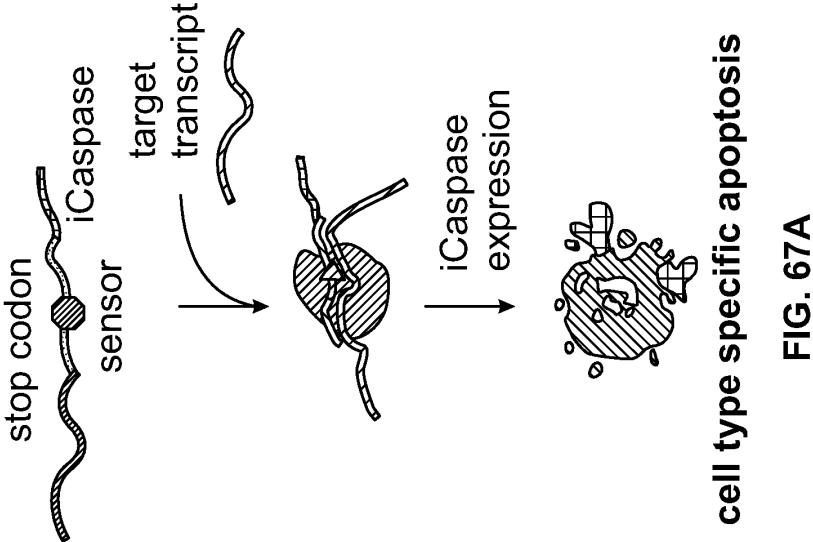
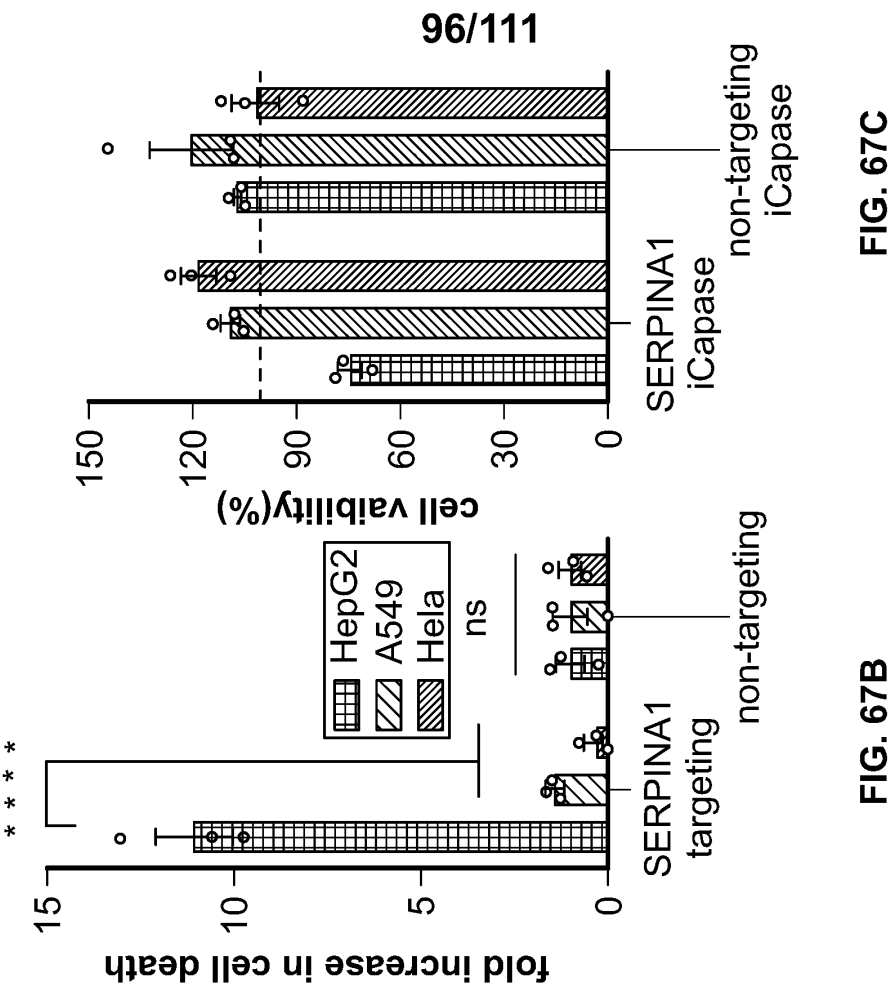


FIG. 65B

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



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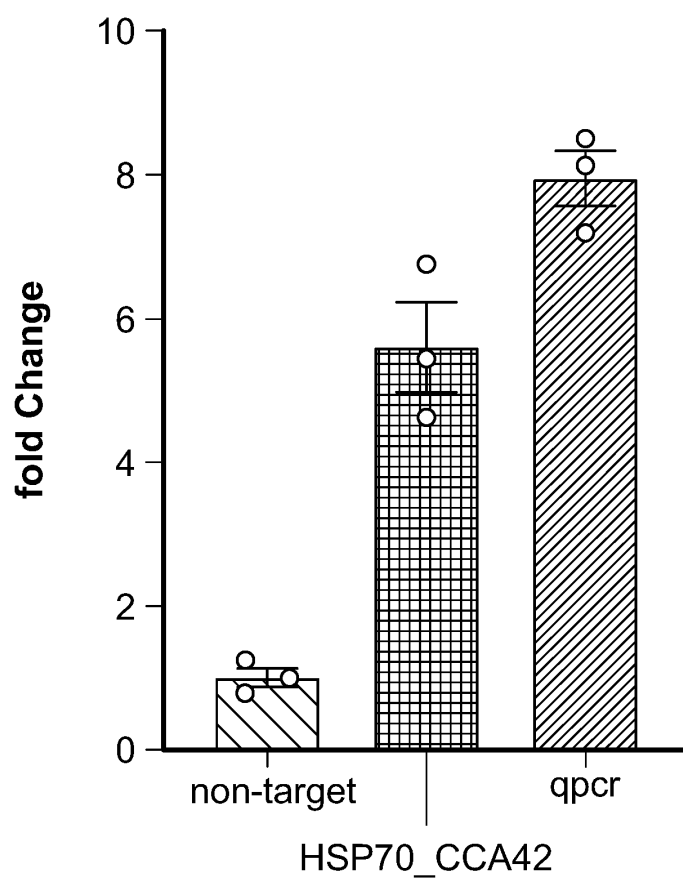
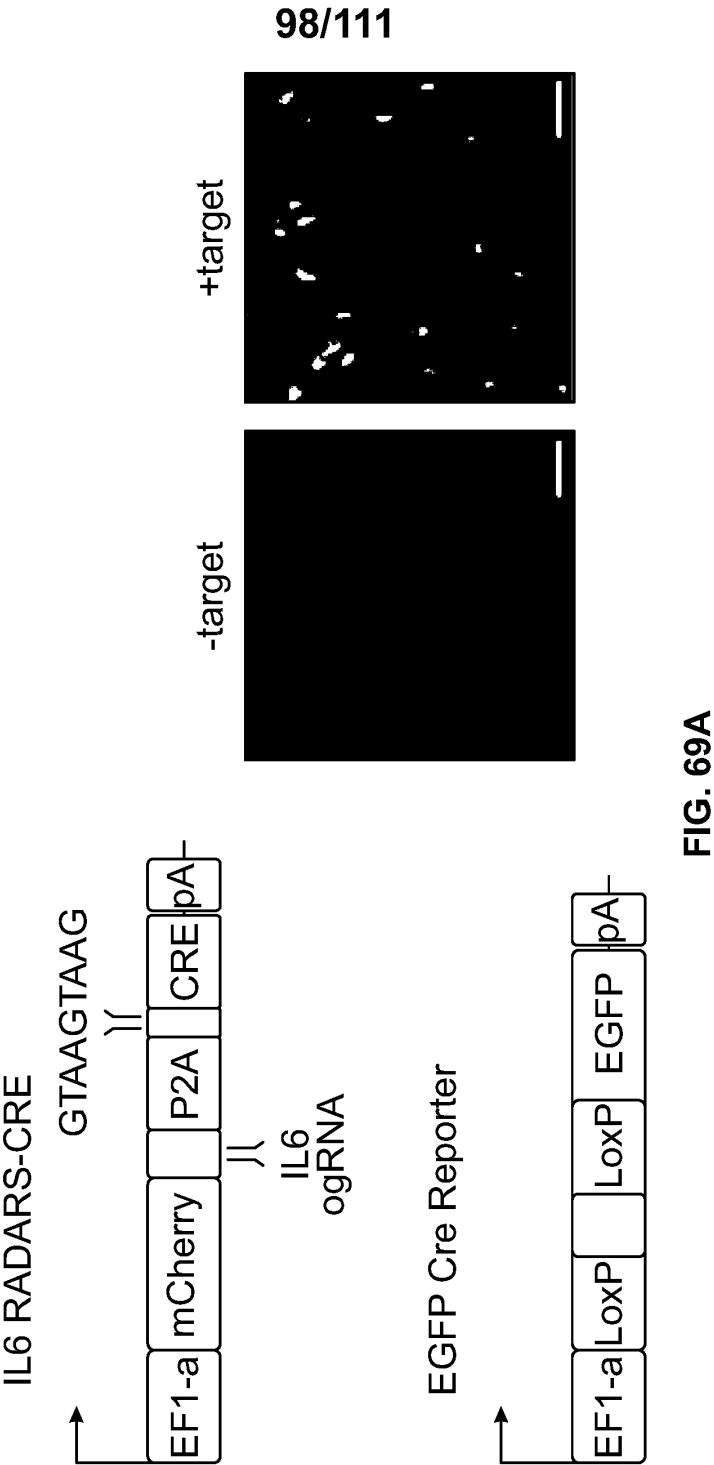


FIG. 68



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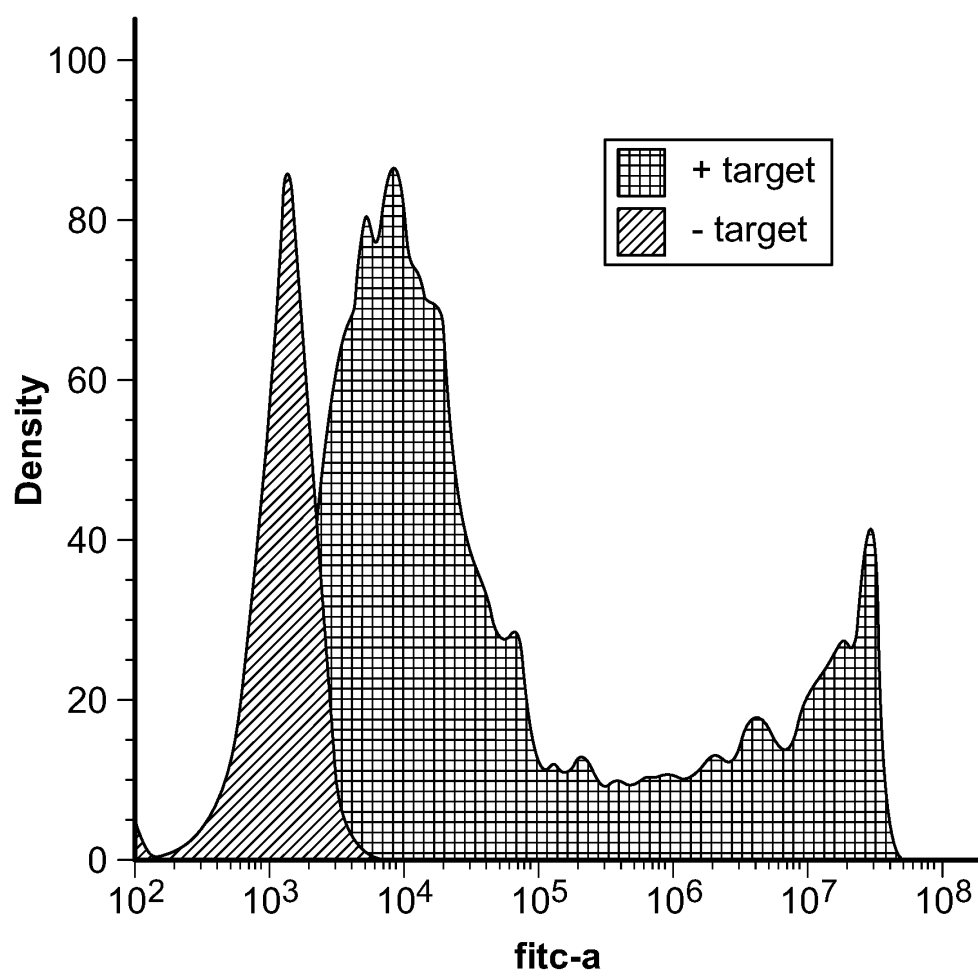
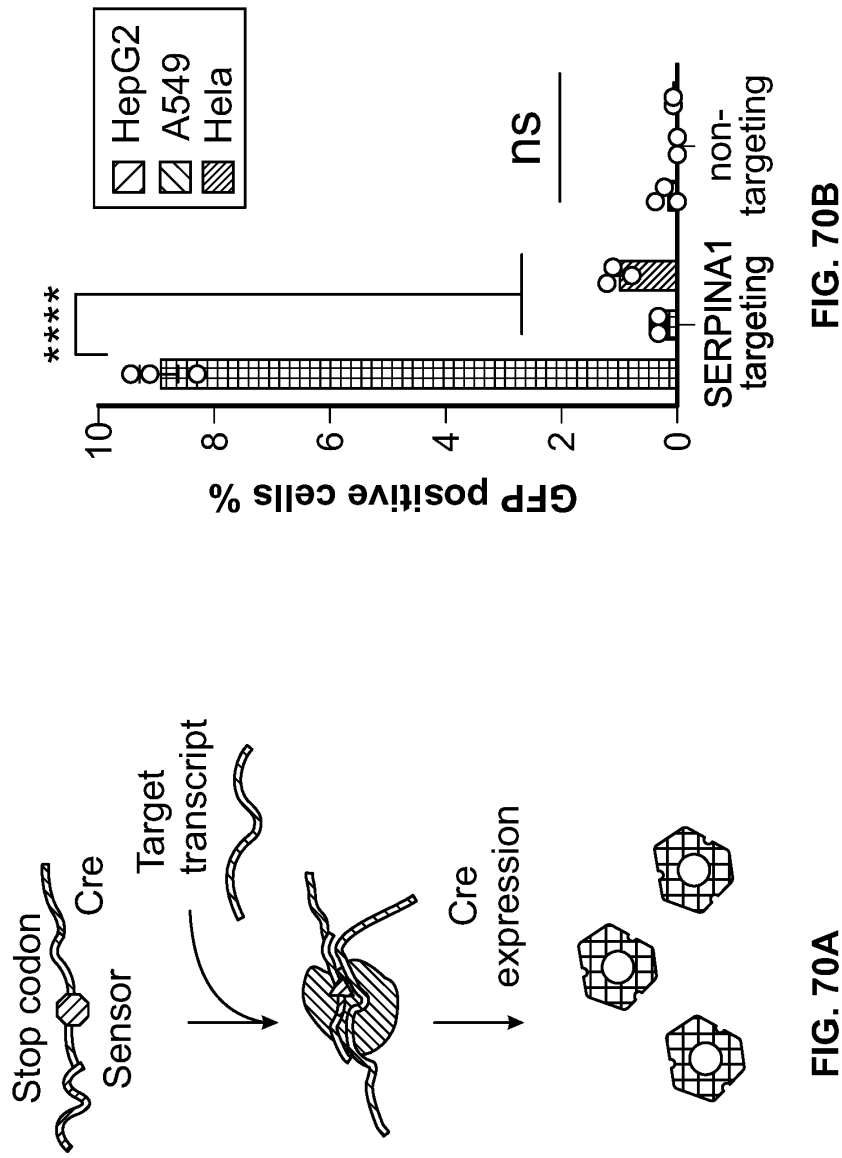


FIG. 69B



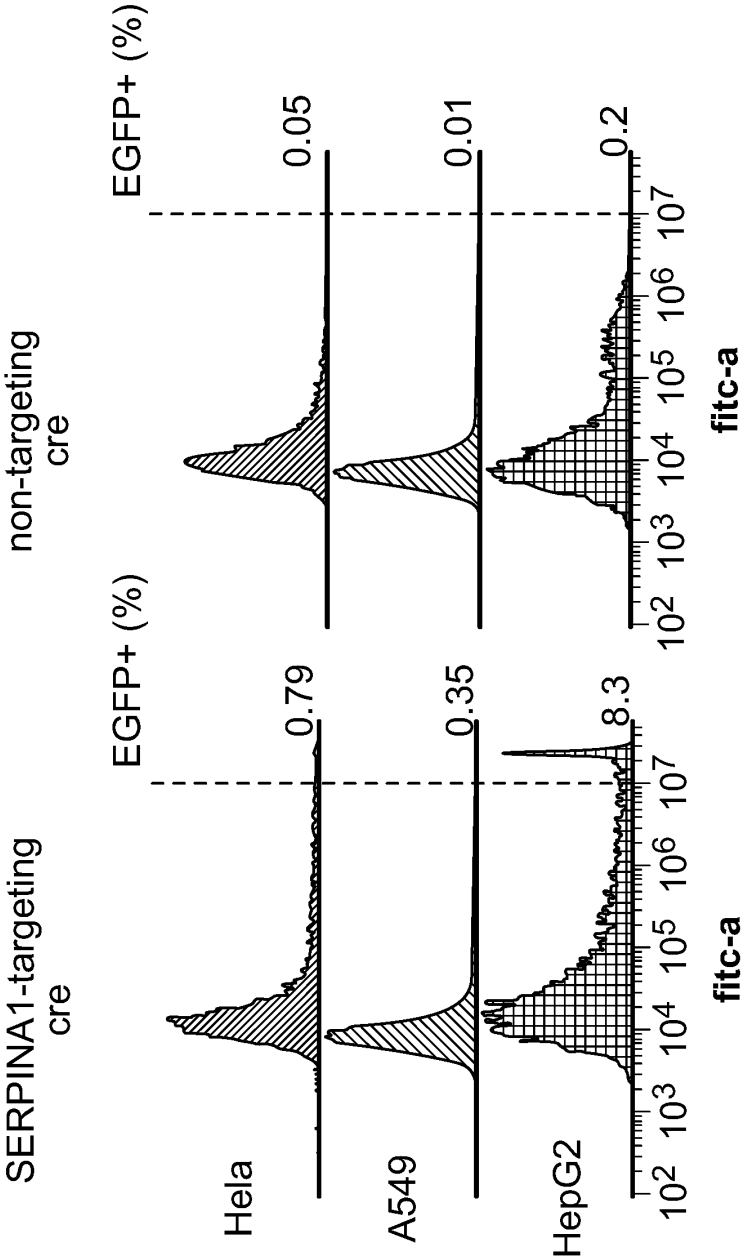


FIG. 70C

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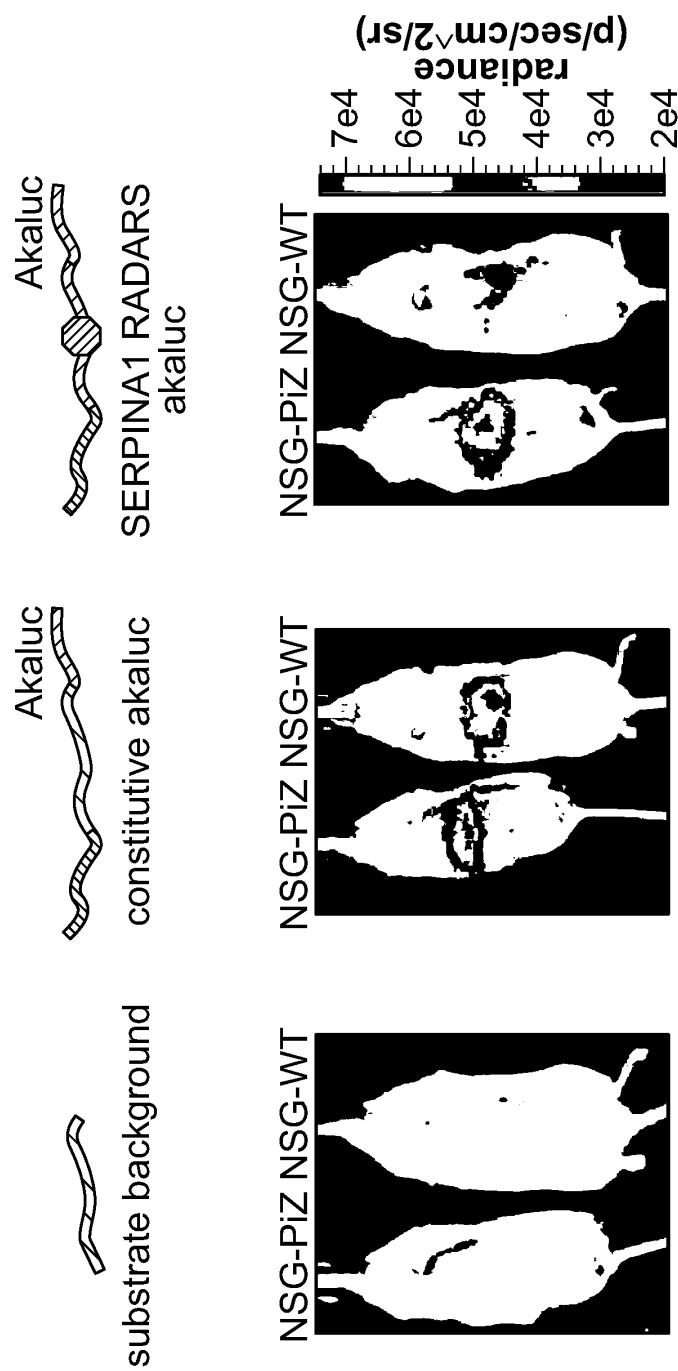


FIG. 71A

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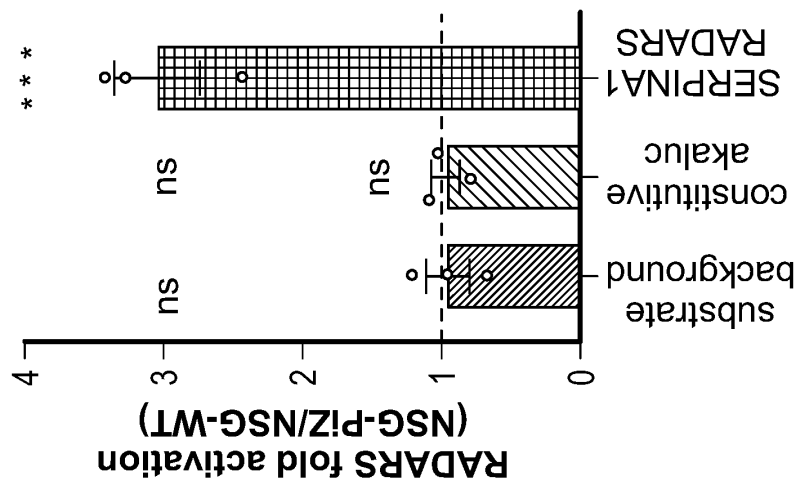


FIG. 71C

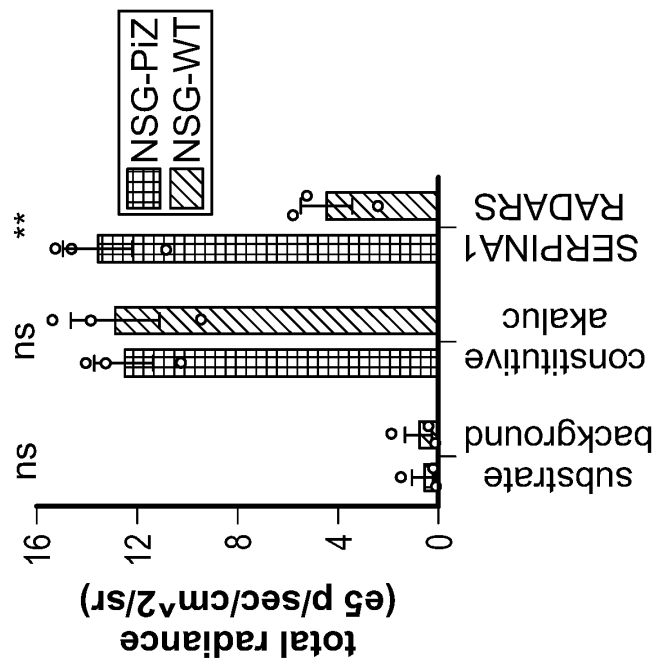


FIG. 71B

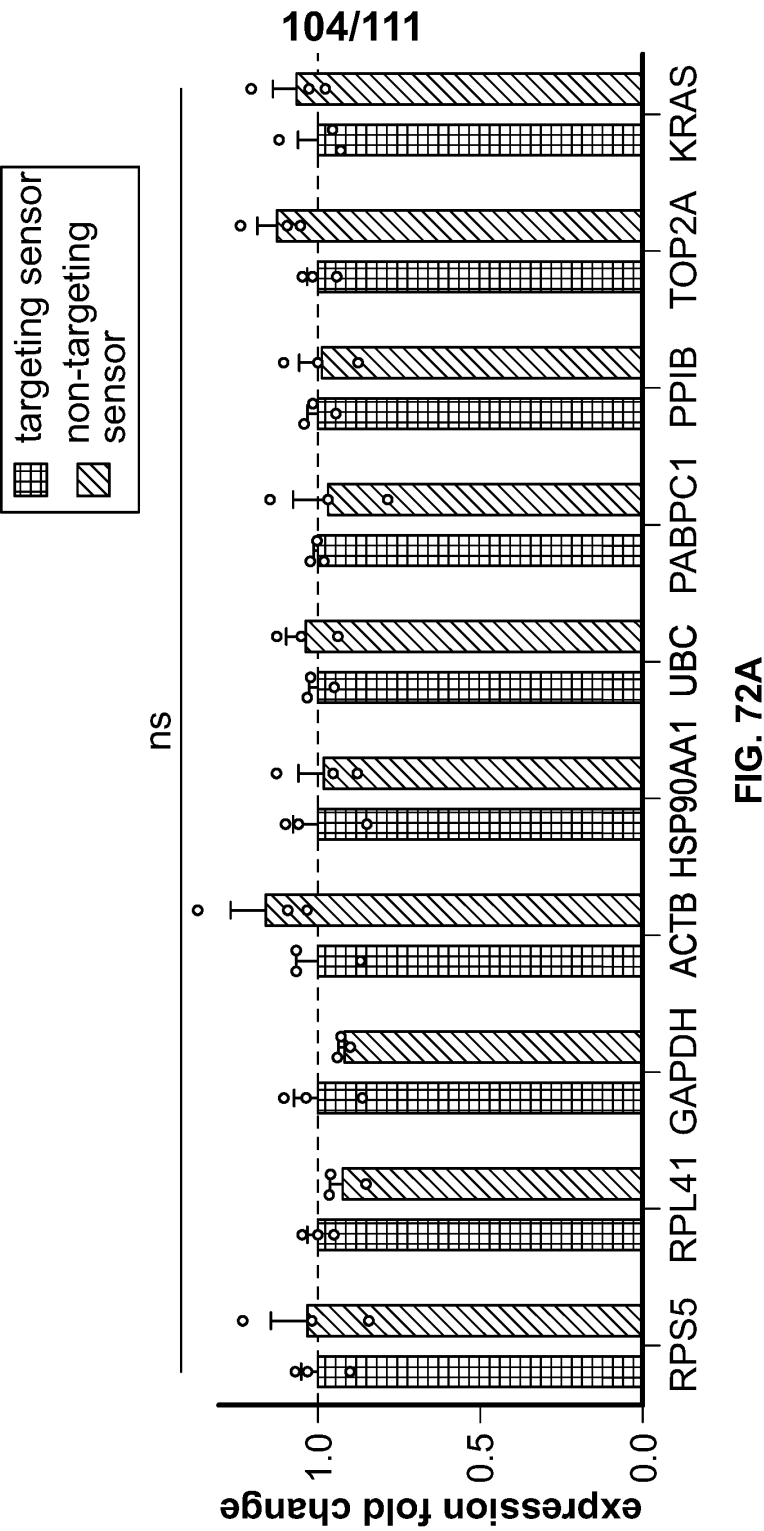


FIG. 72A

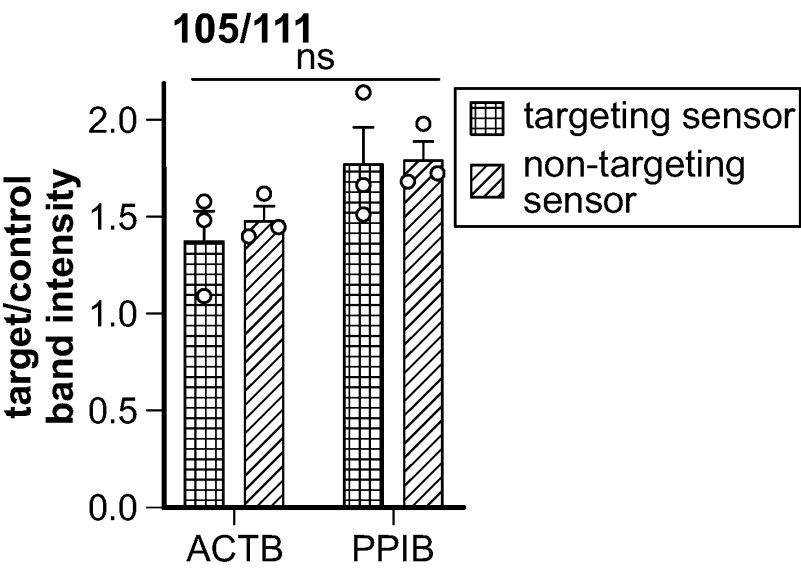


FIG. 72B

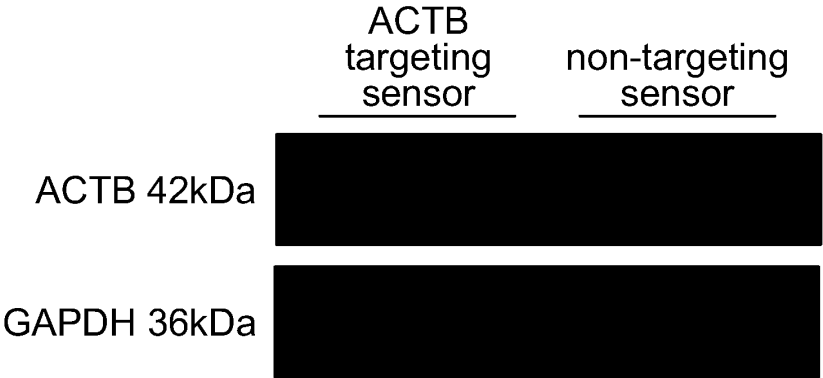


FIG. 72C

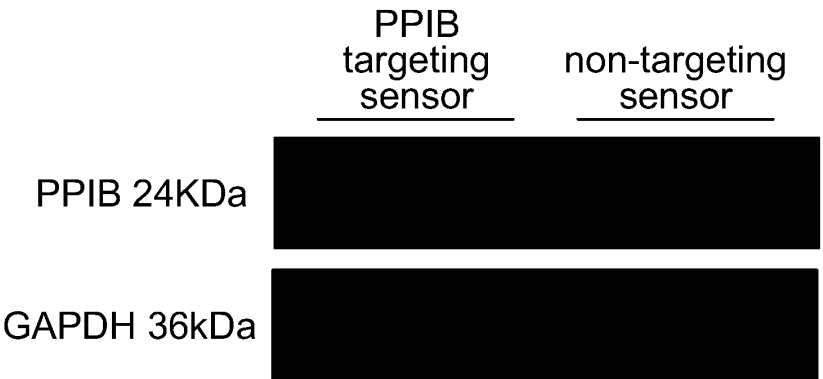
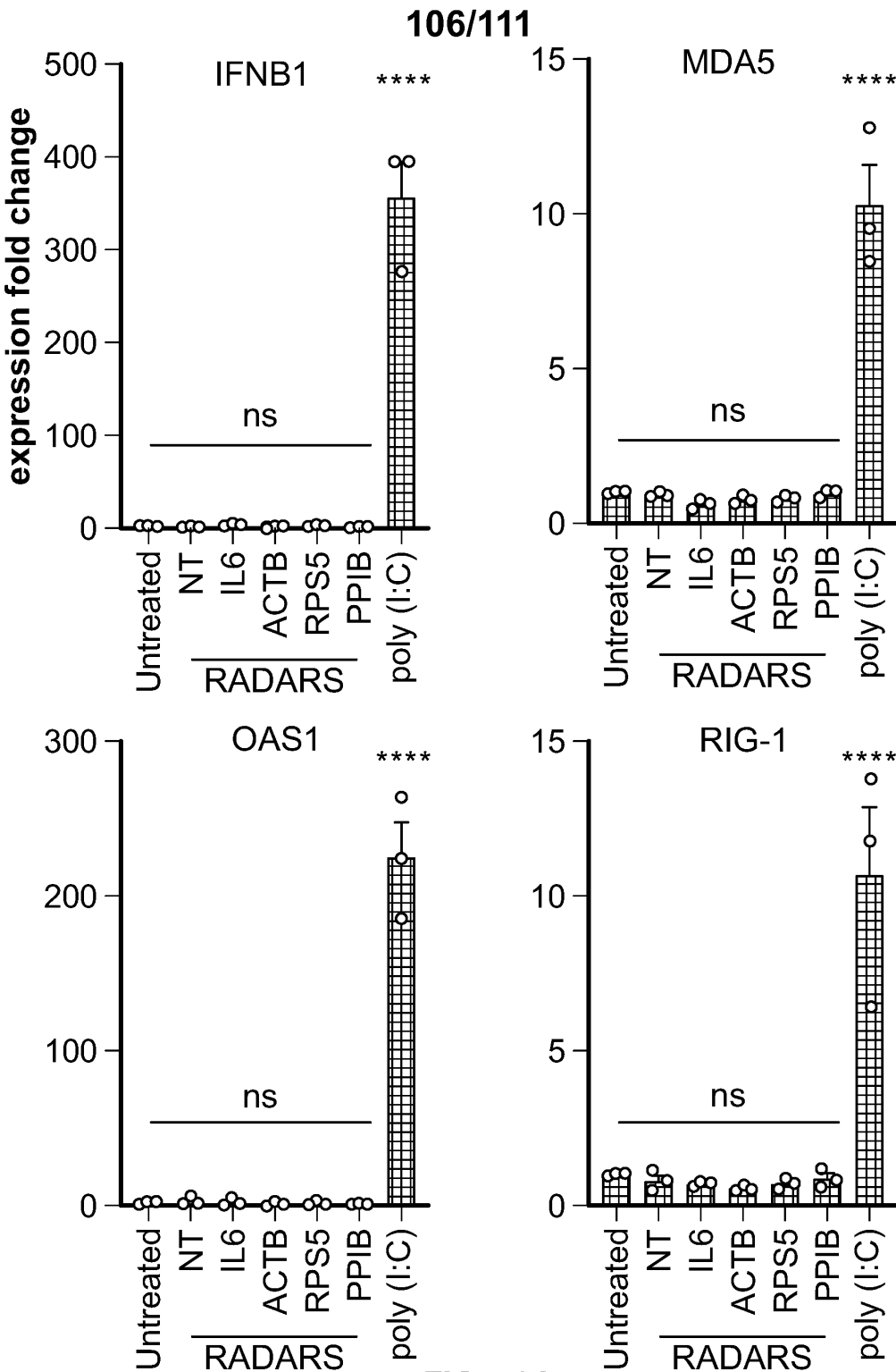


FIG. 72D



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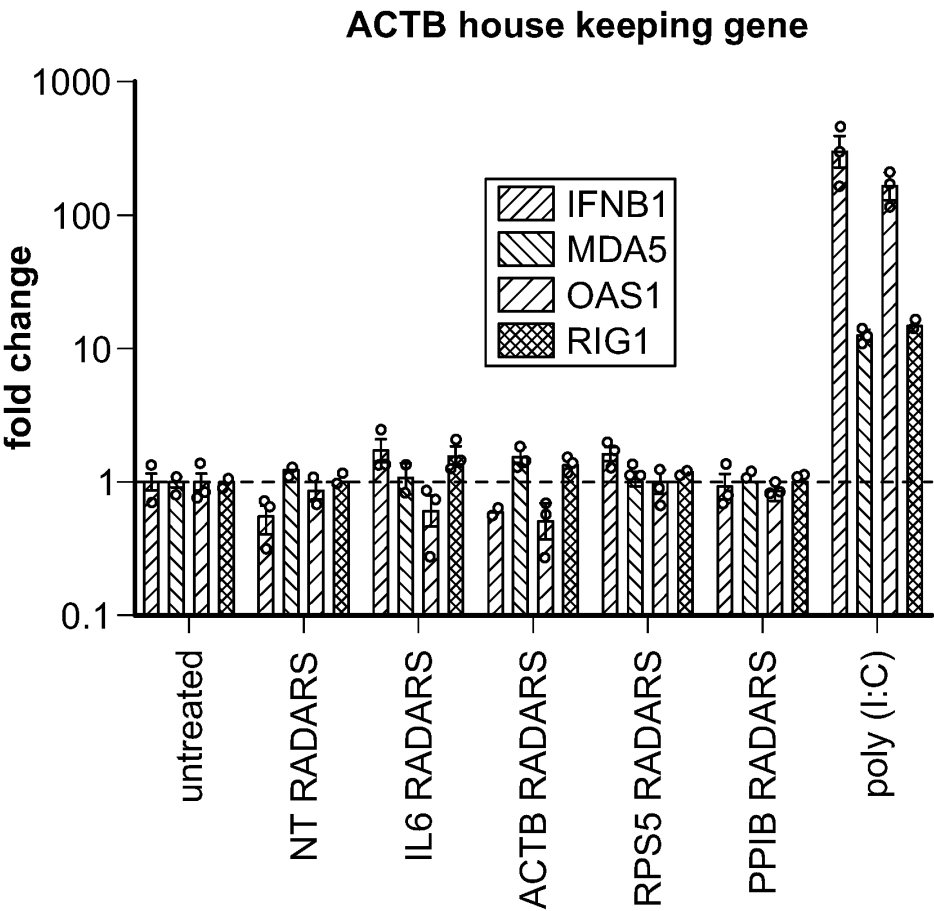


FIG. 73B

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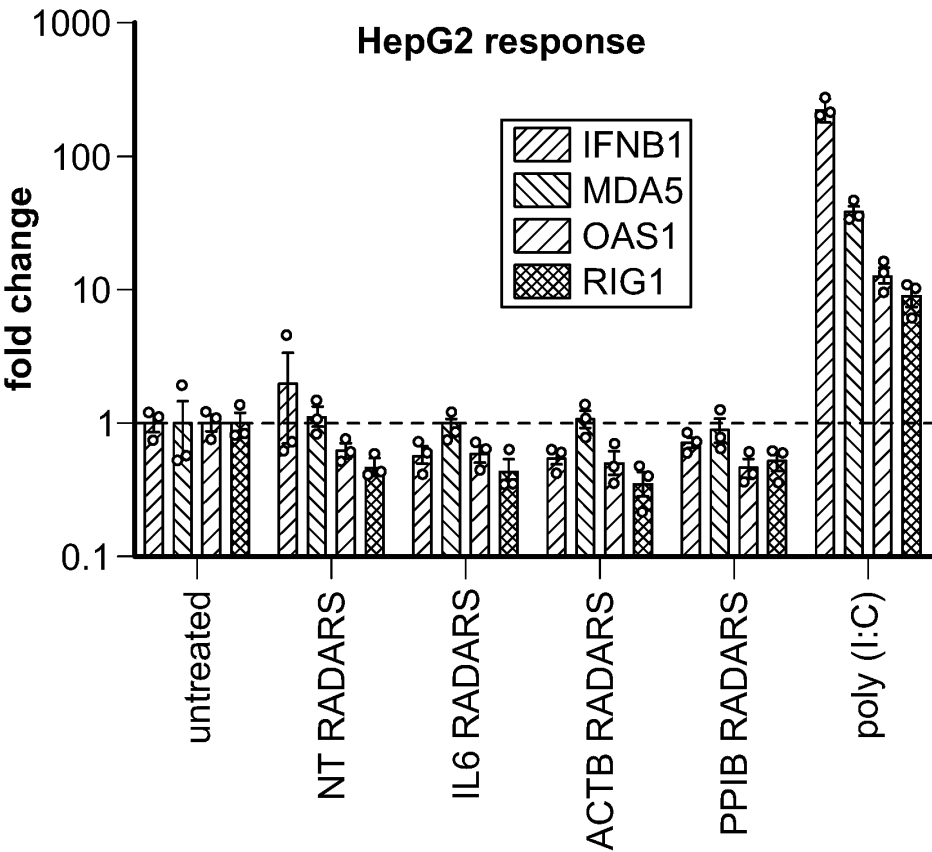


FIG. 73C

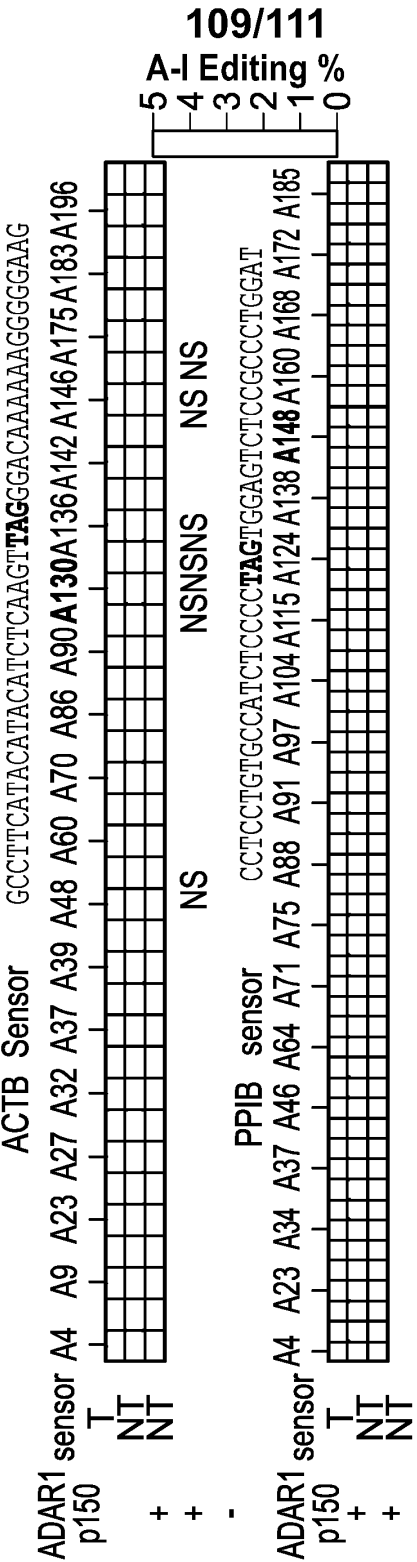


FIG. 74A

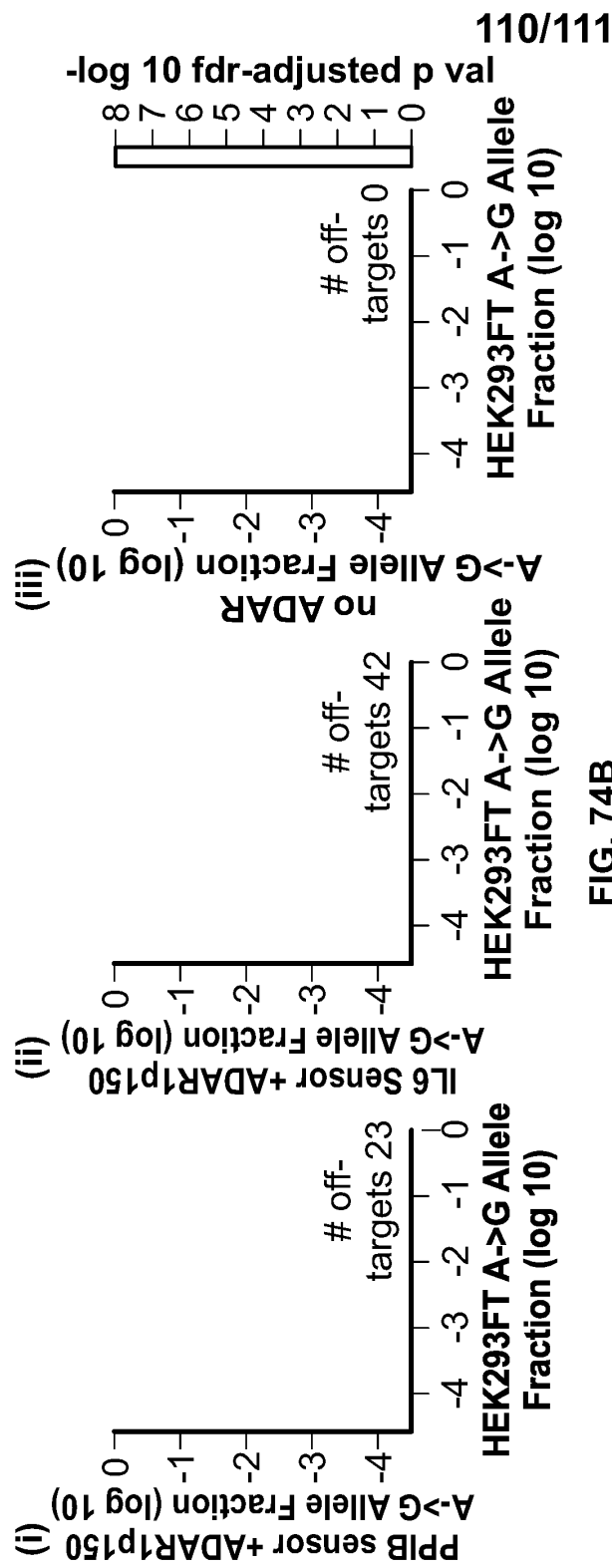
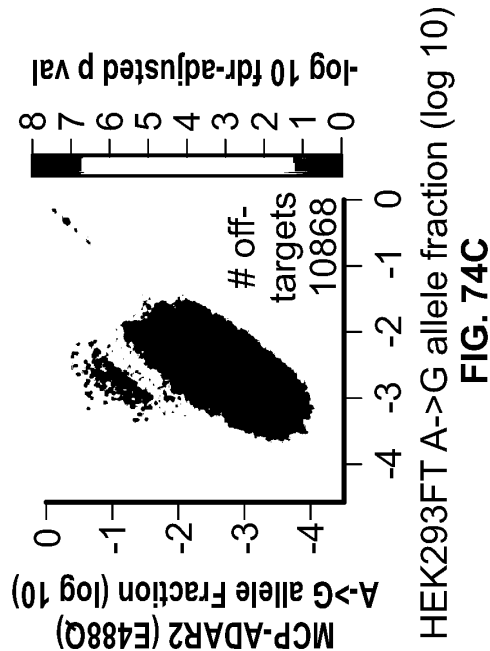
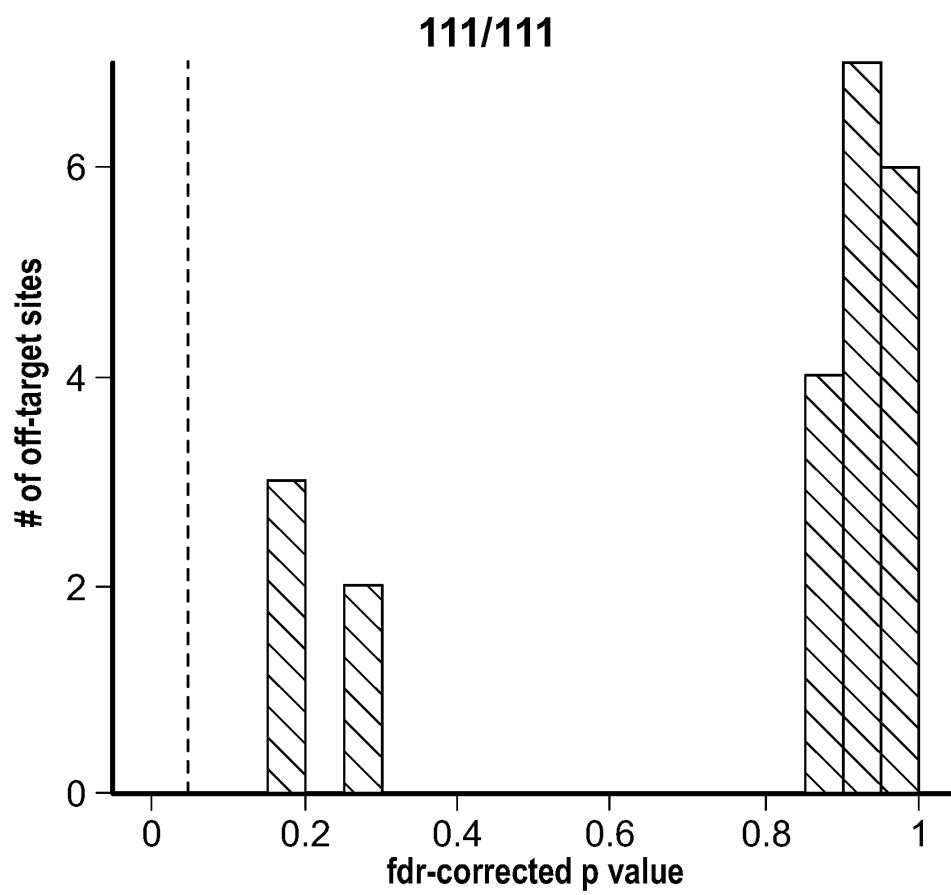
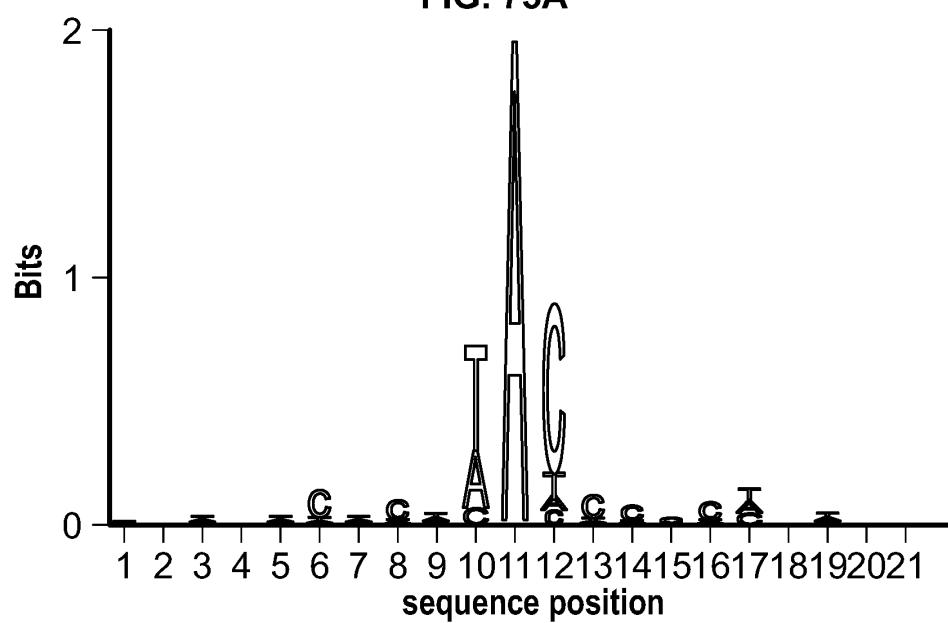


FIG. 74B



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