

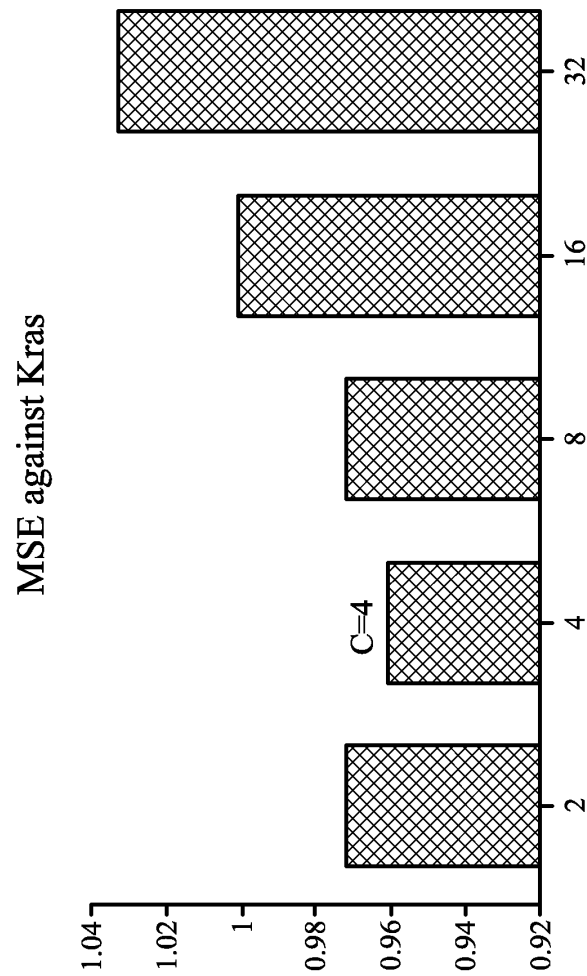


FIG. 1

Precision vs recall for SVN Classifier applied to held out
shRNAs targeting Trp53 gene

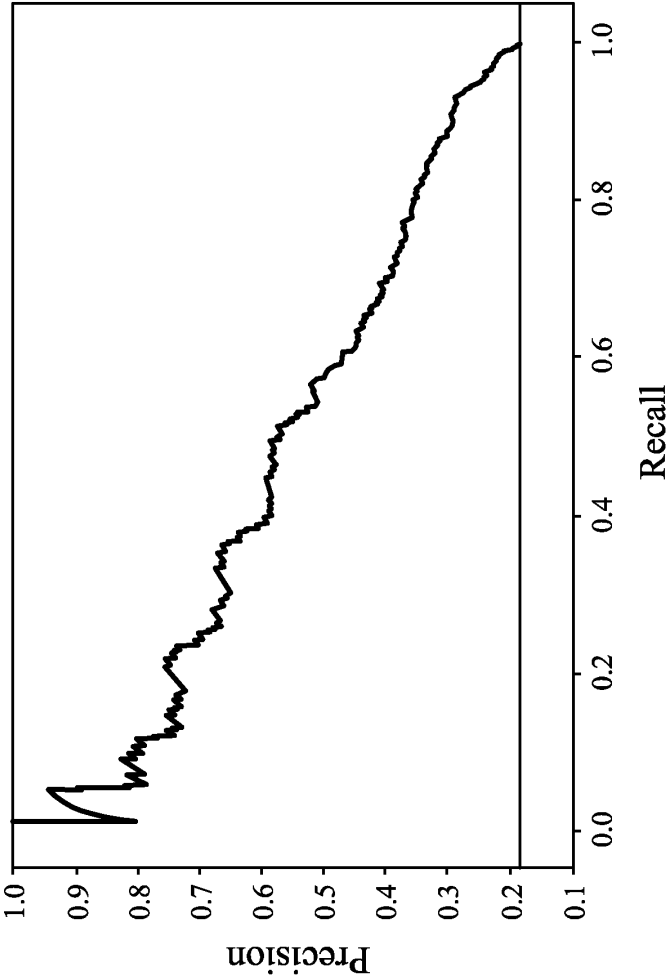
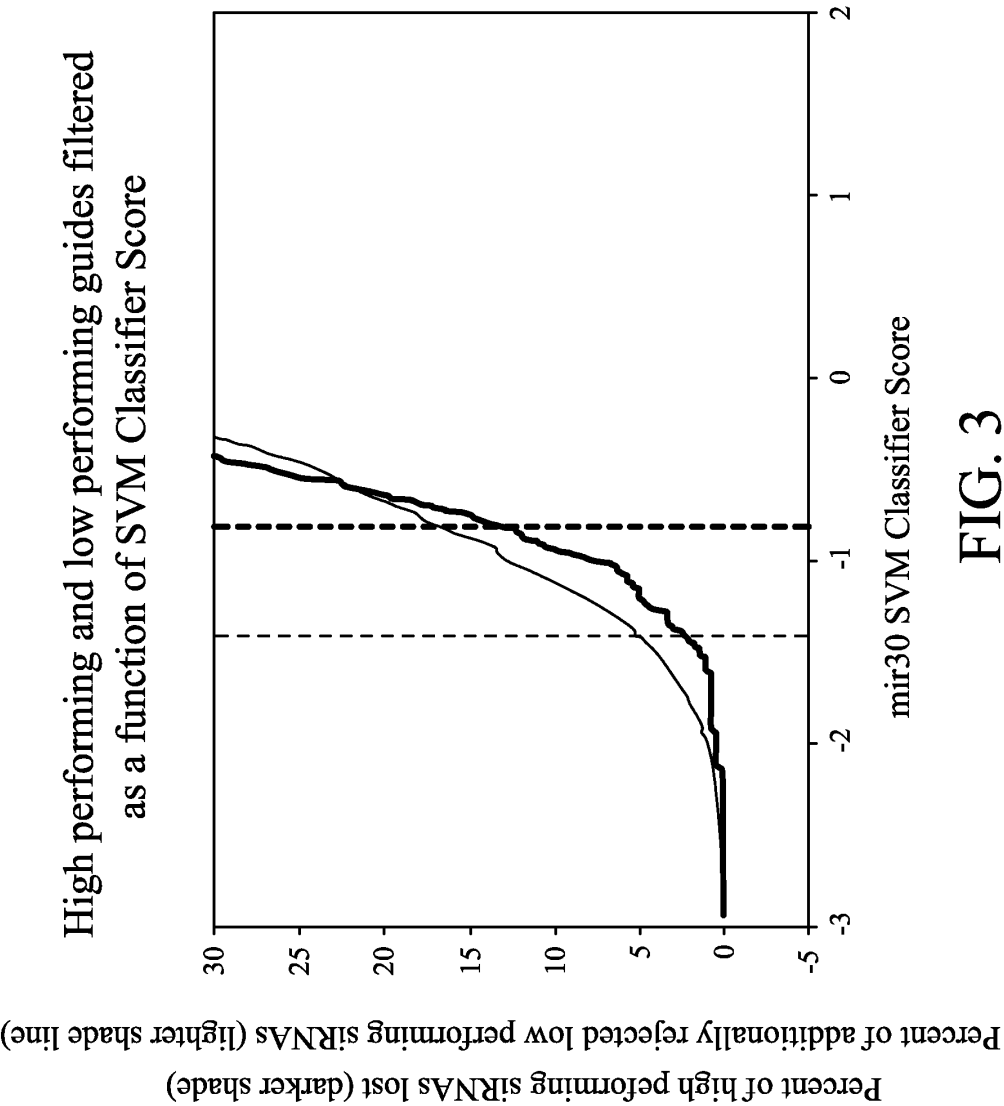


FIG. 2



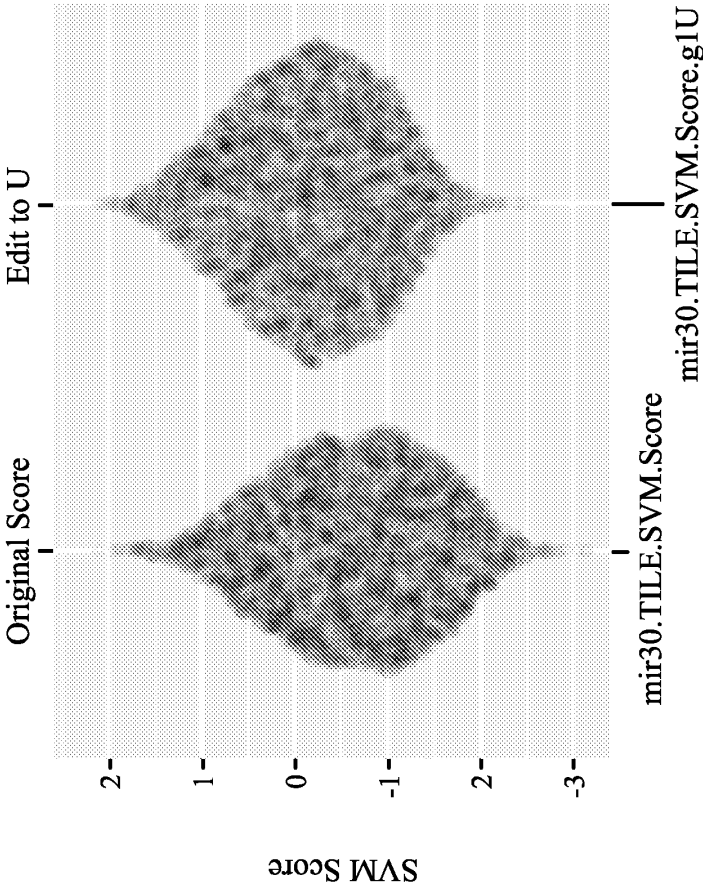


FIG. 4

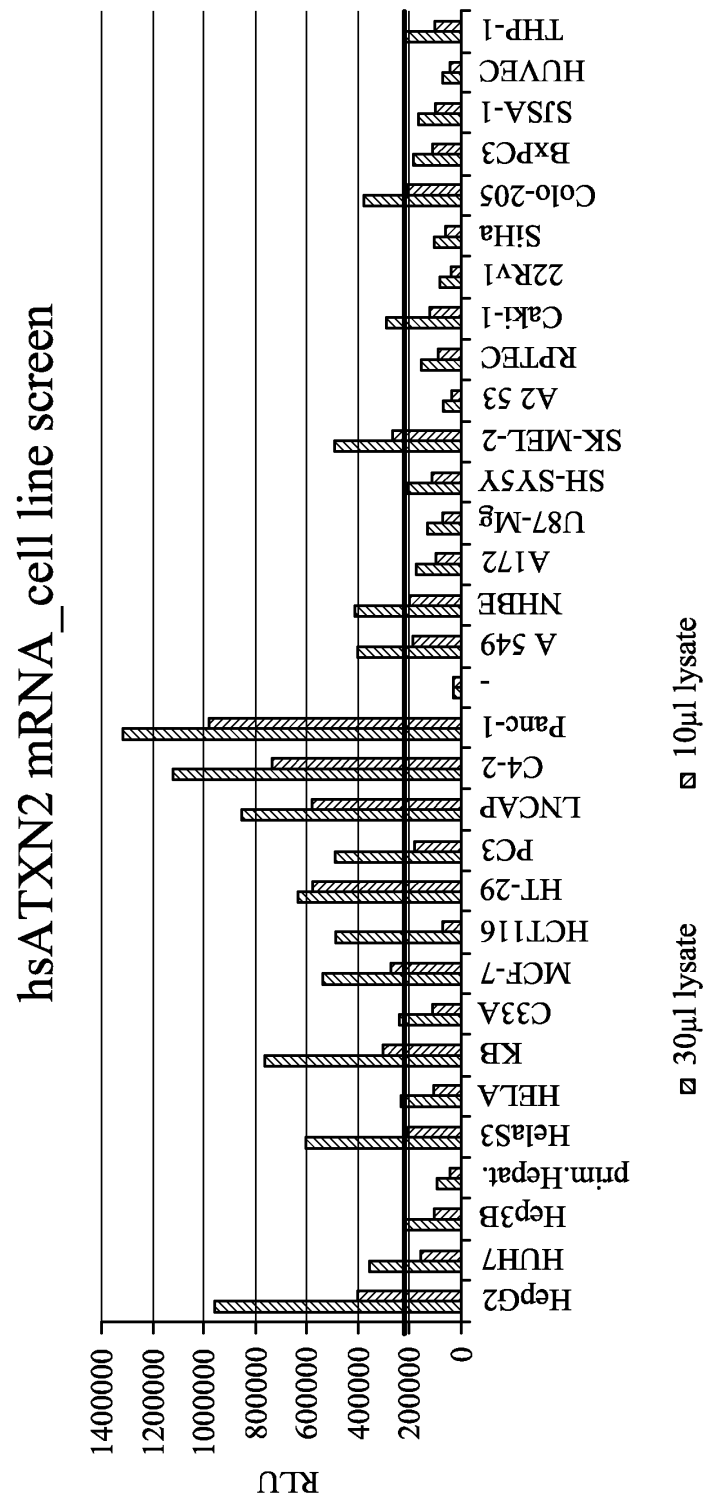


FIG. 5

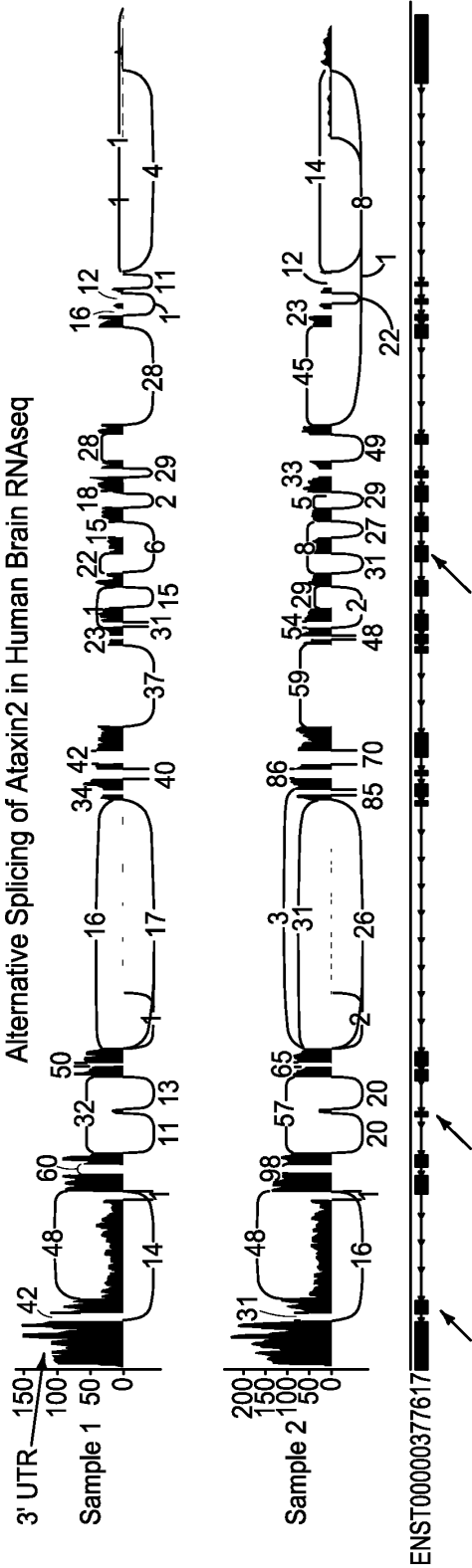


FIG. 6A

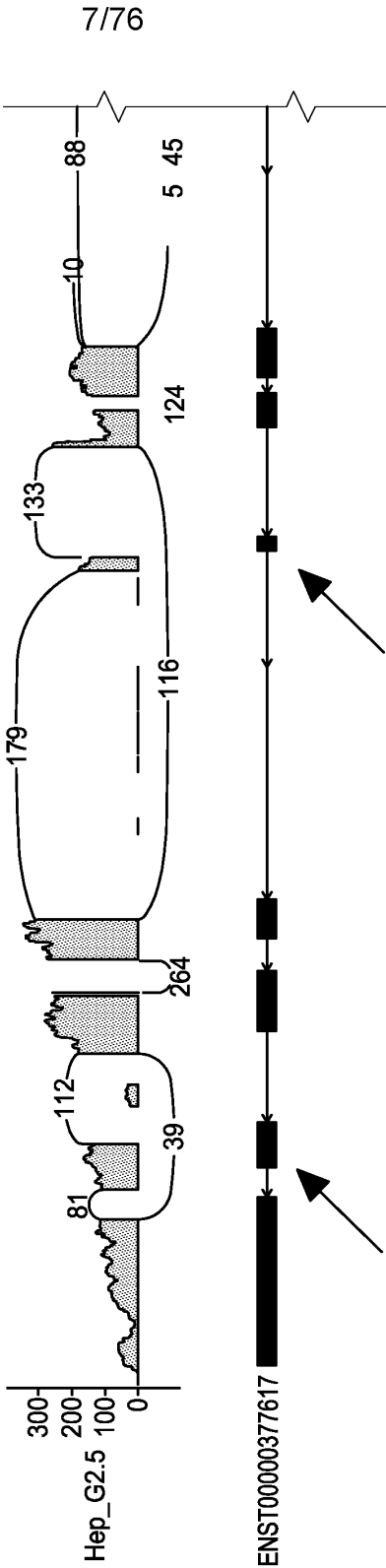


FIG. 6B-1

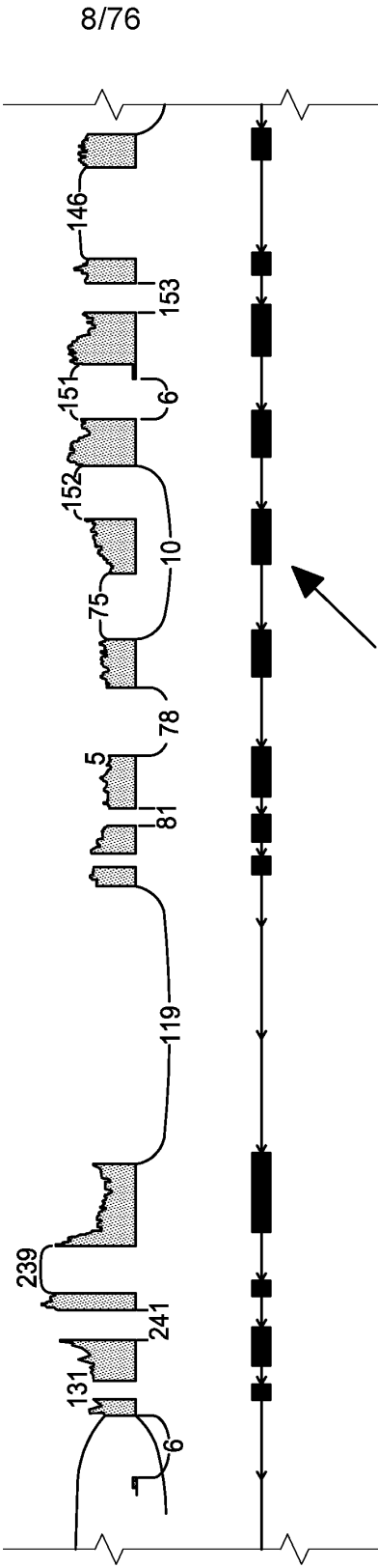


FIG. 6B-2

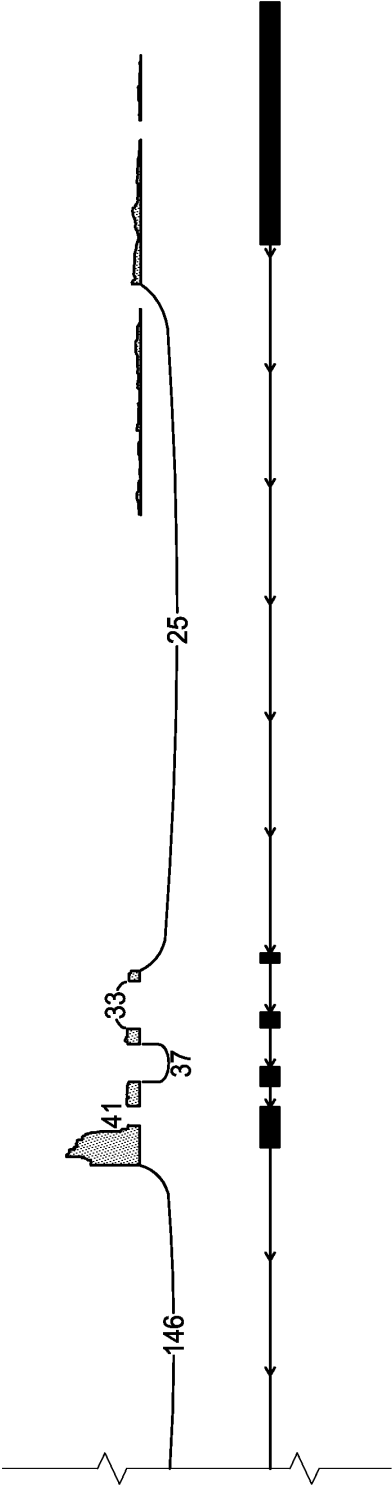


FIG. 6B-3

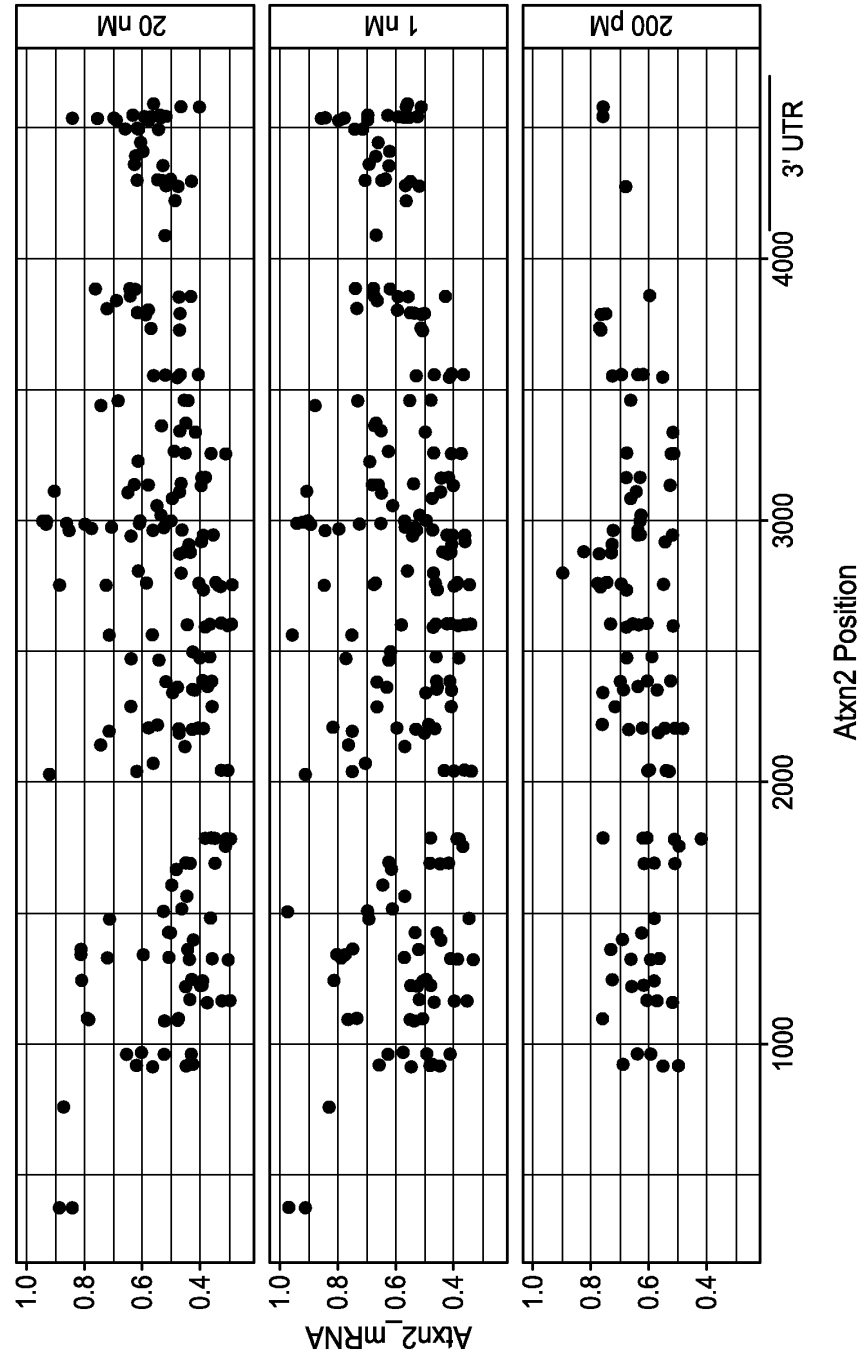


FIG. 7

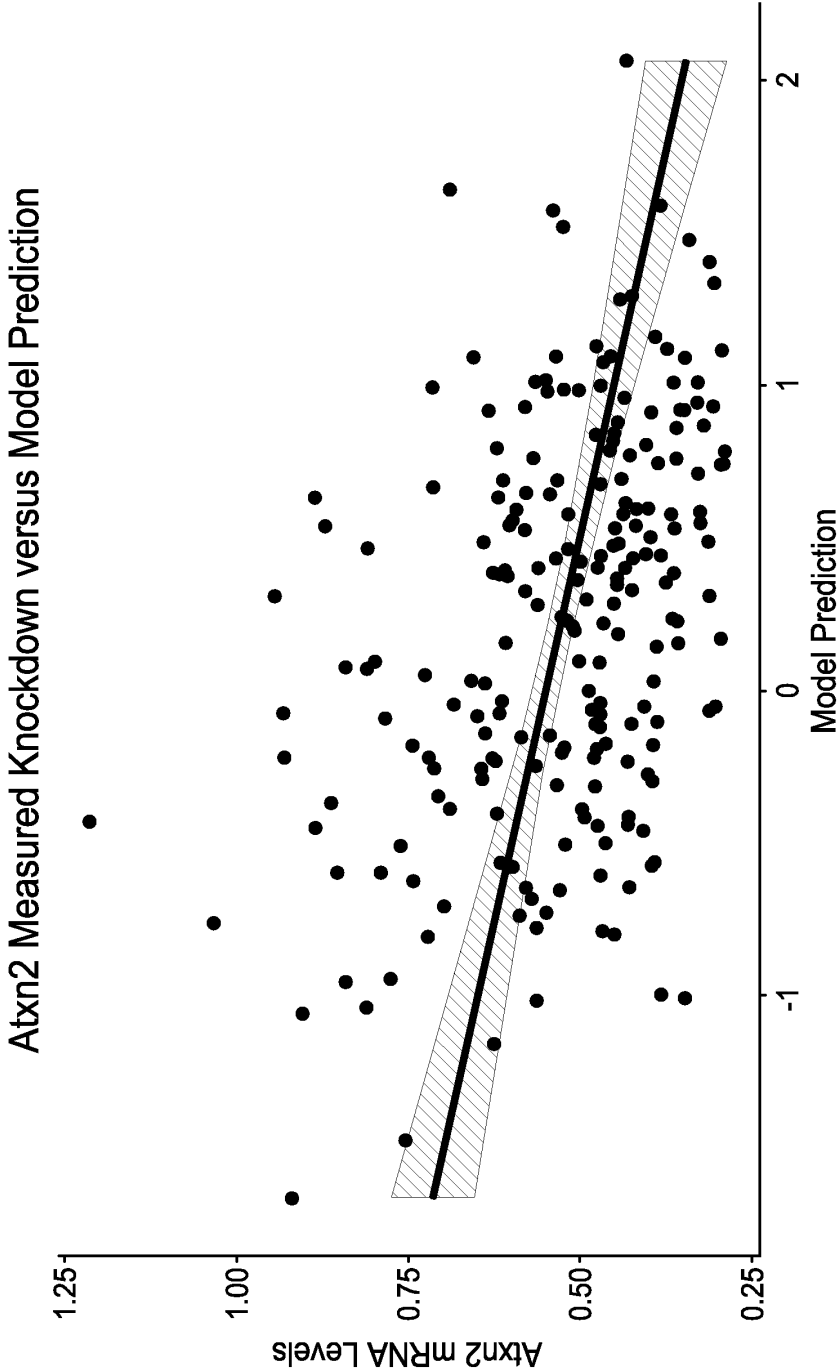


FIG. 8

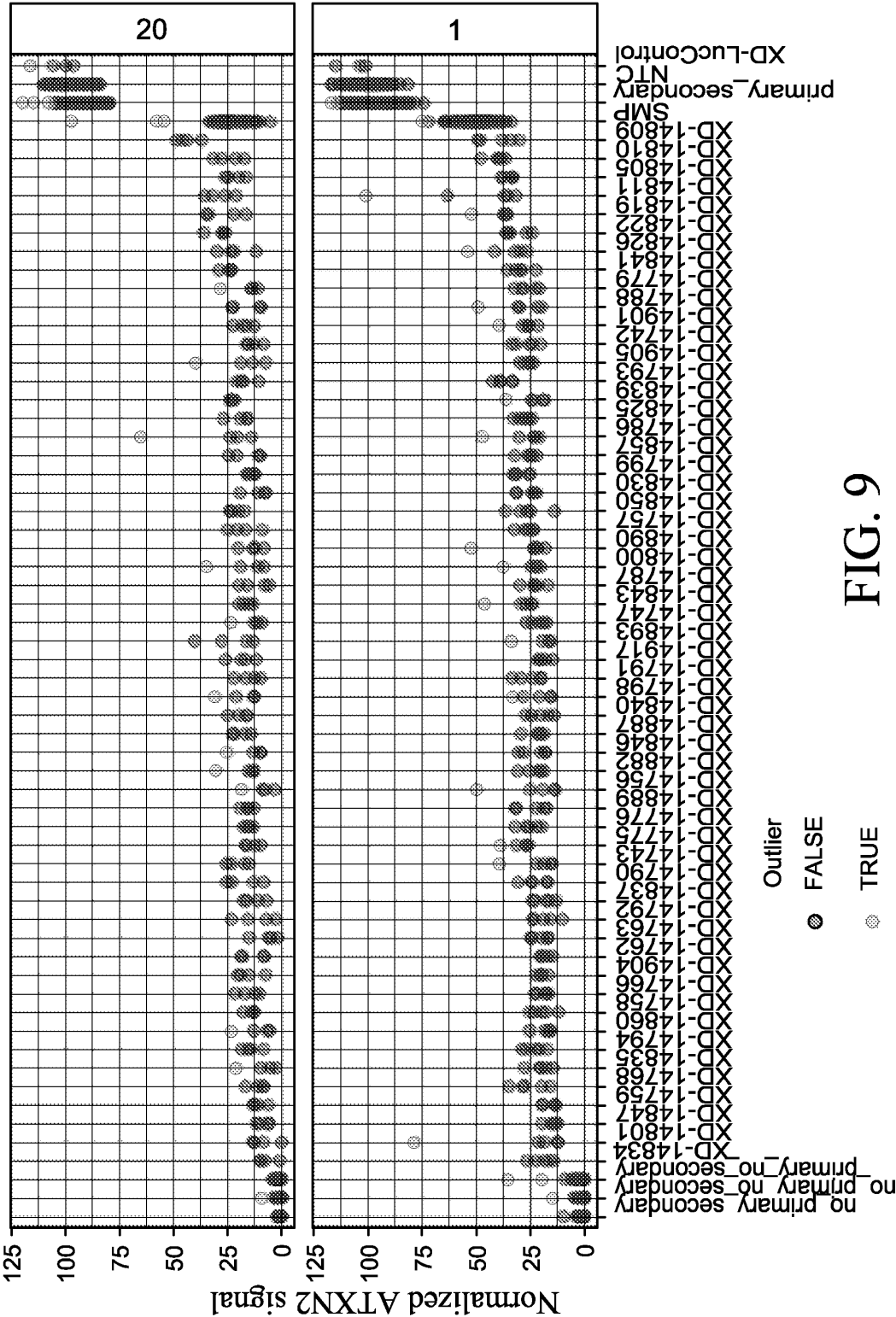


FIG. 9

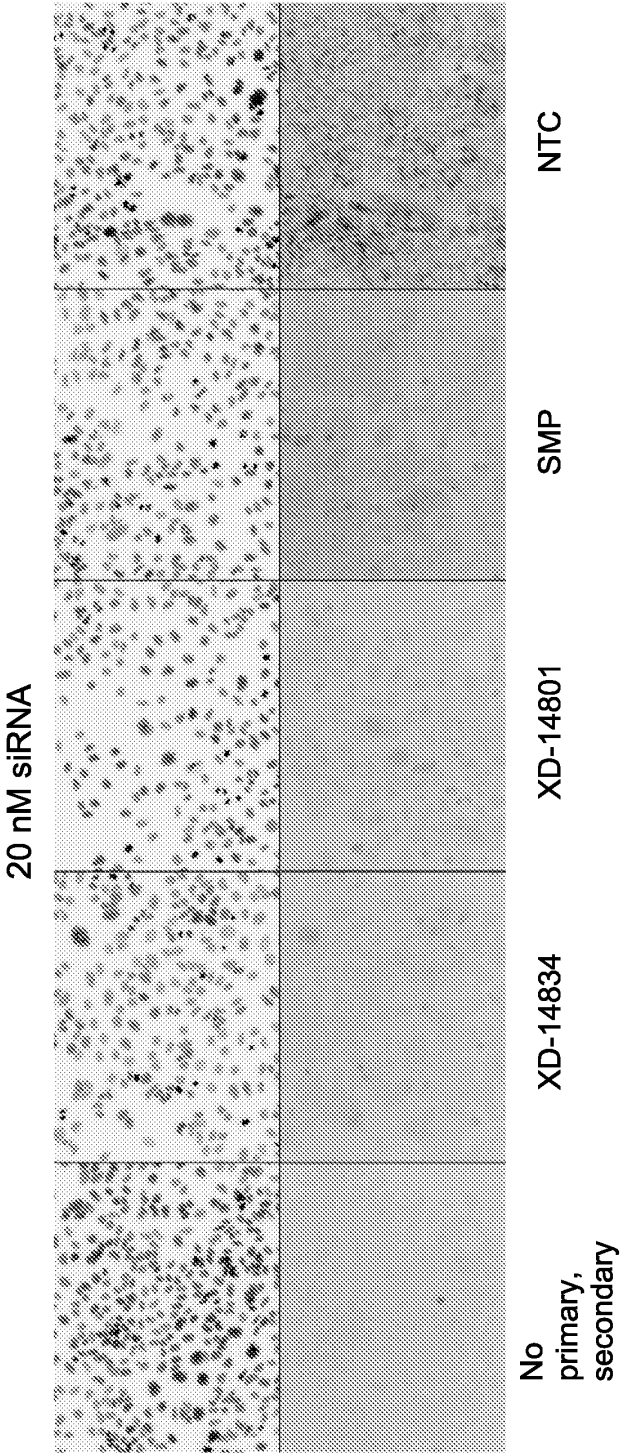


FIG. 10A

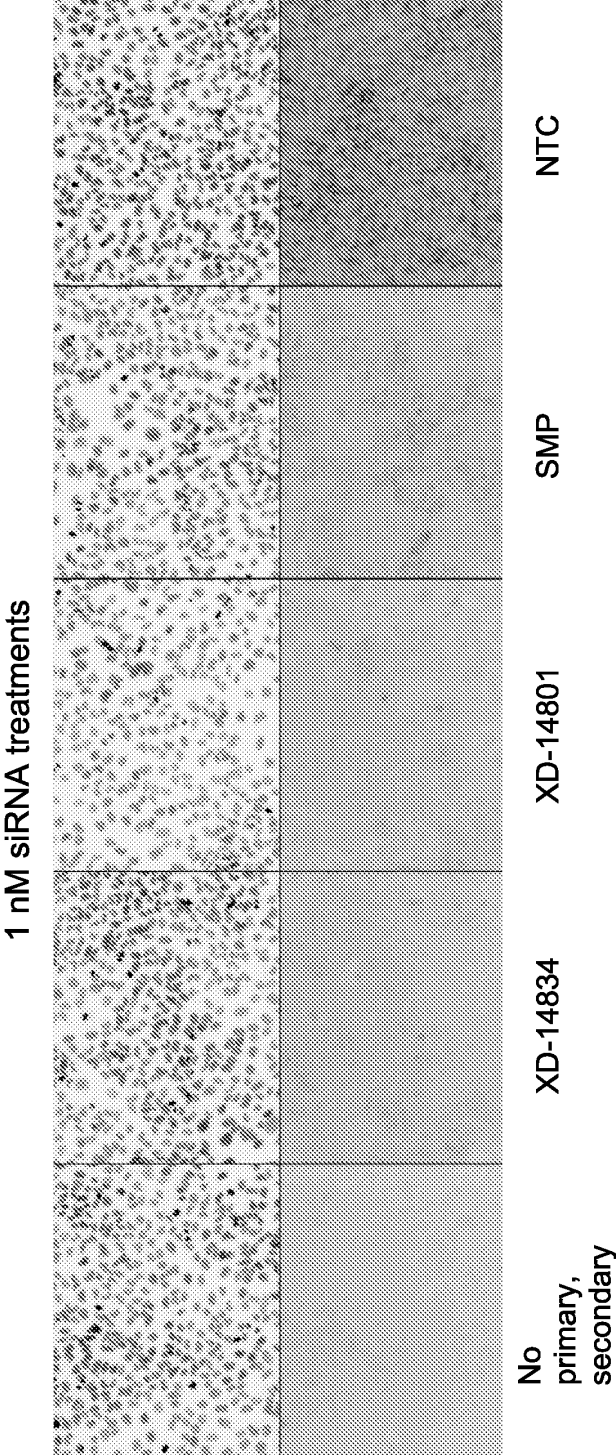


FIG. 10B

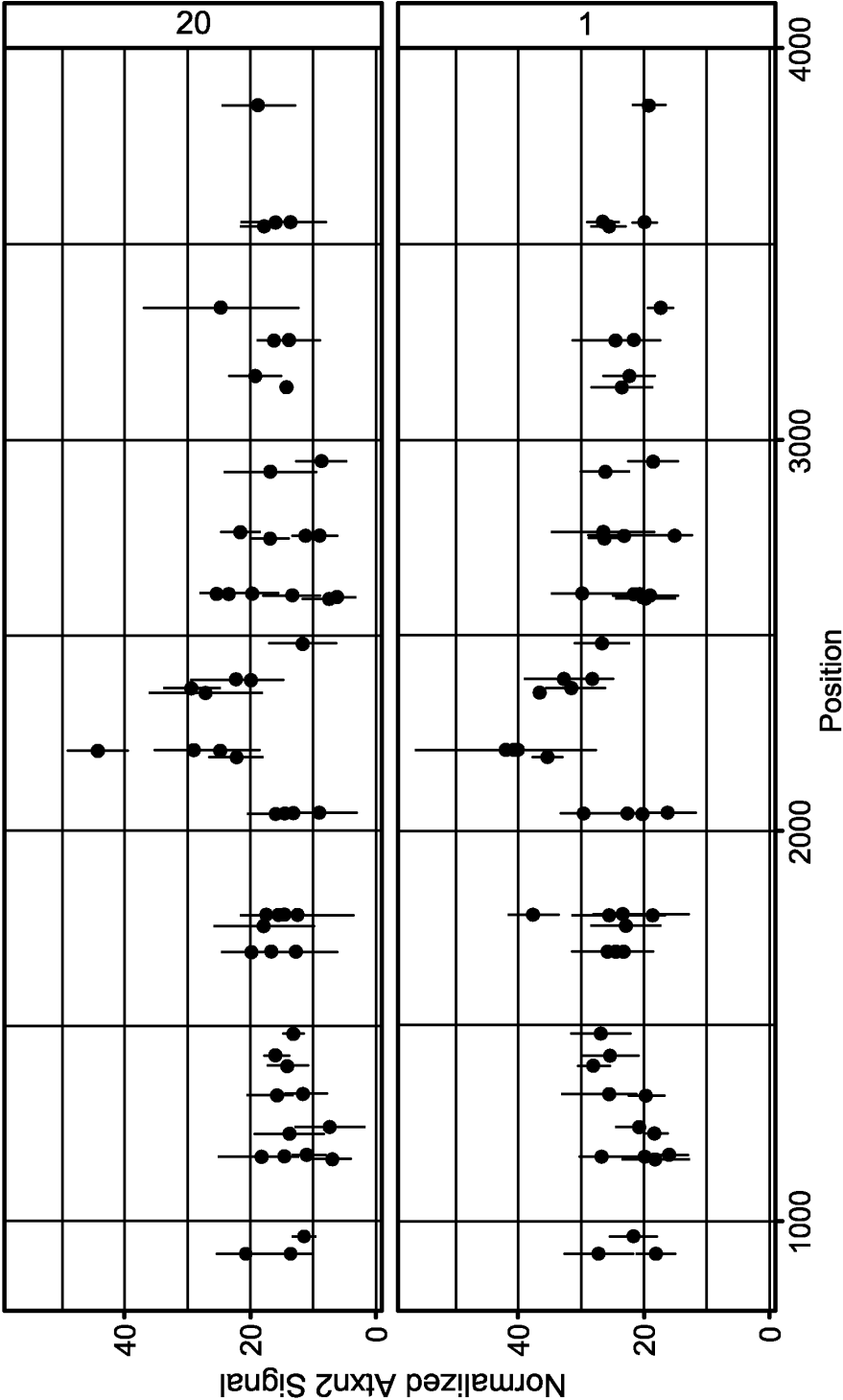


FIG. 11

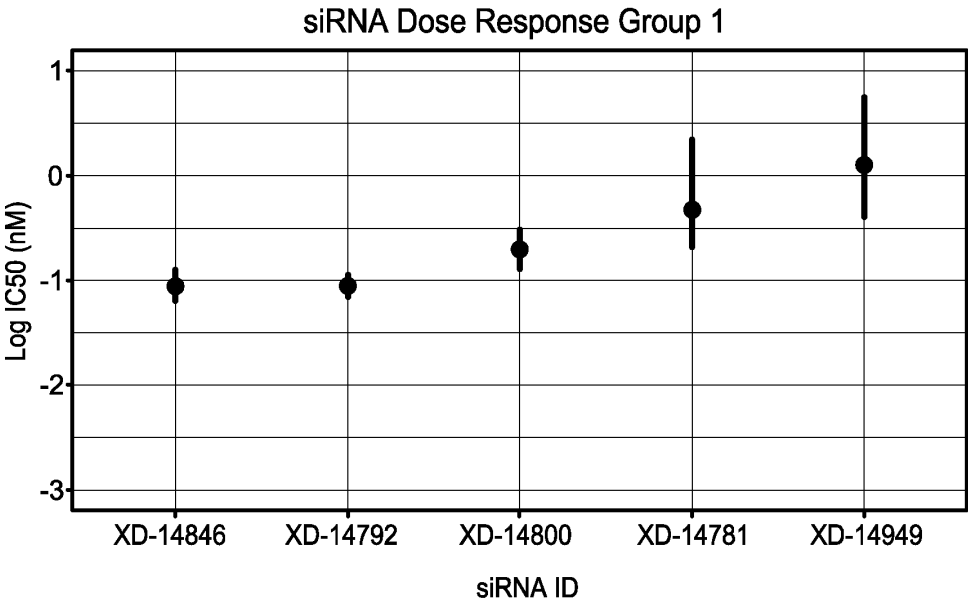


FIG. 12A-1

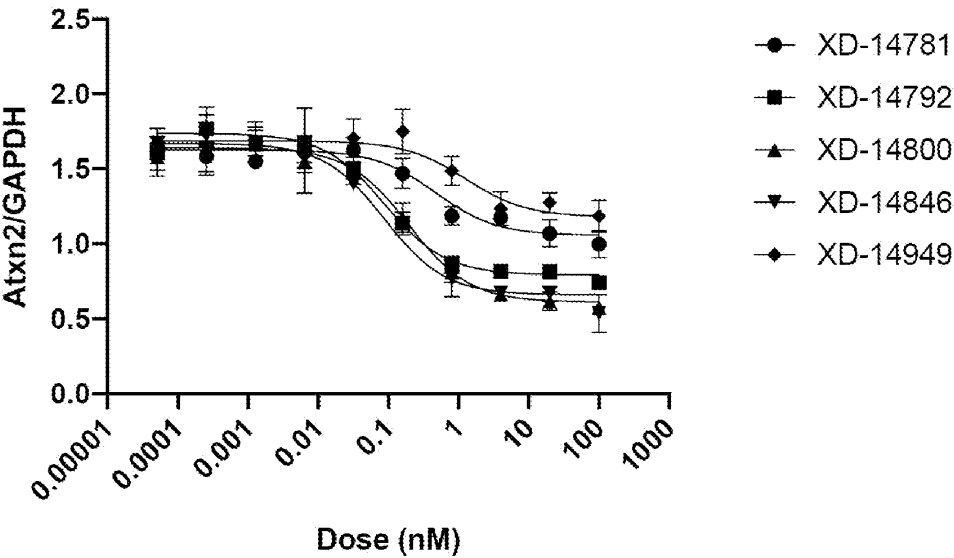


FIG. 12A-2

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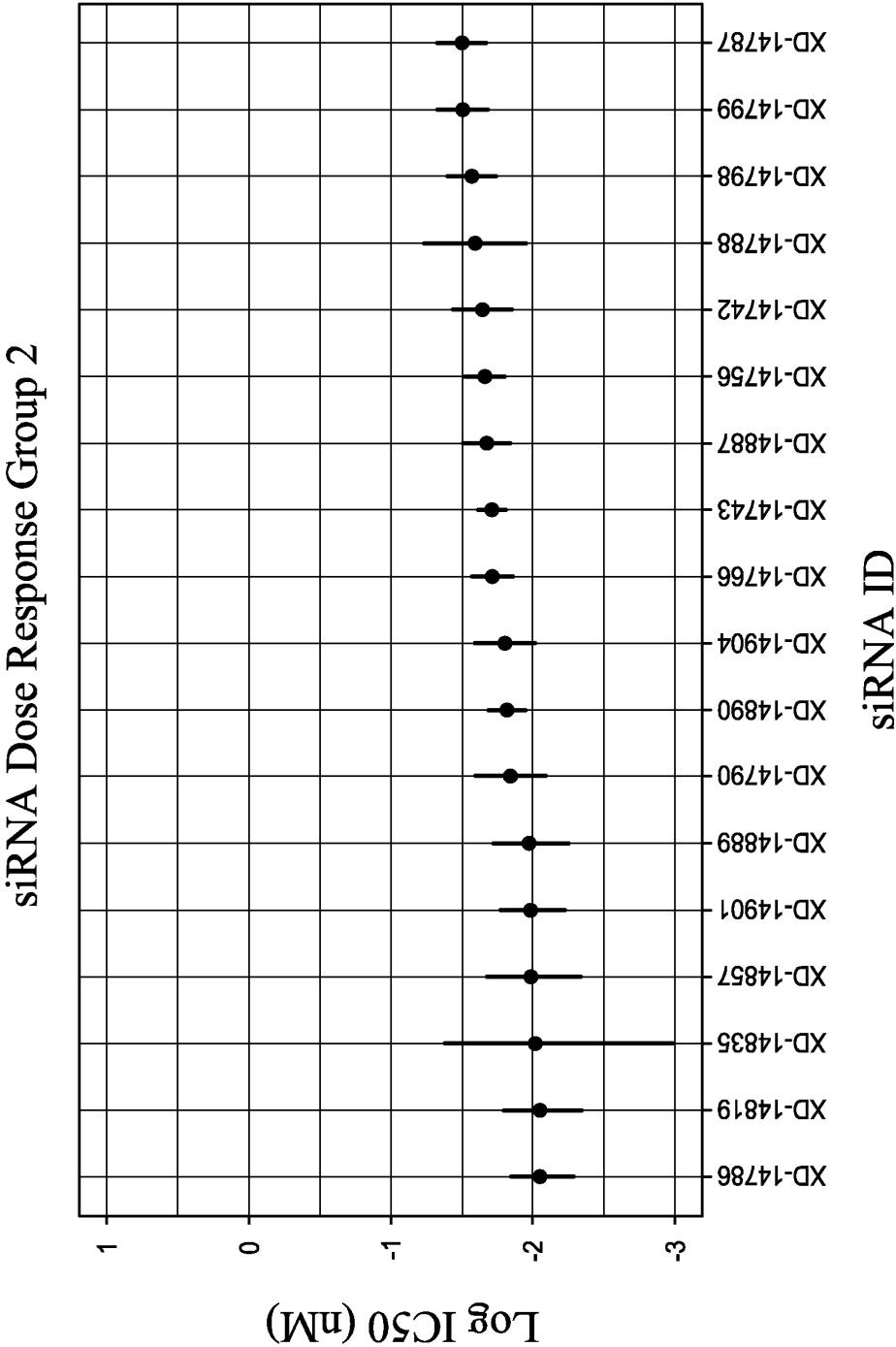


FIG. 12B

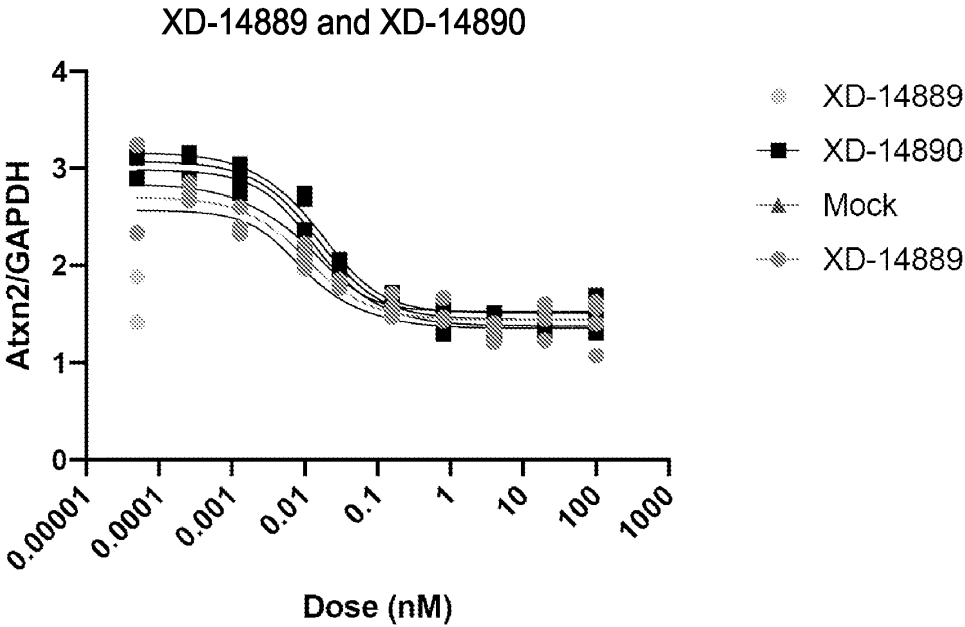


FIG. 12C-1

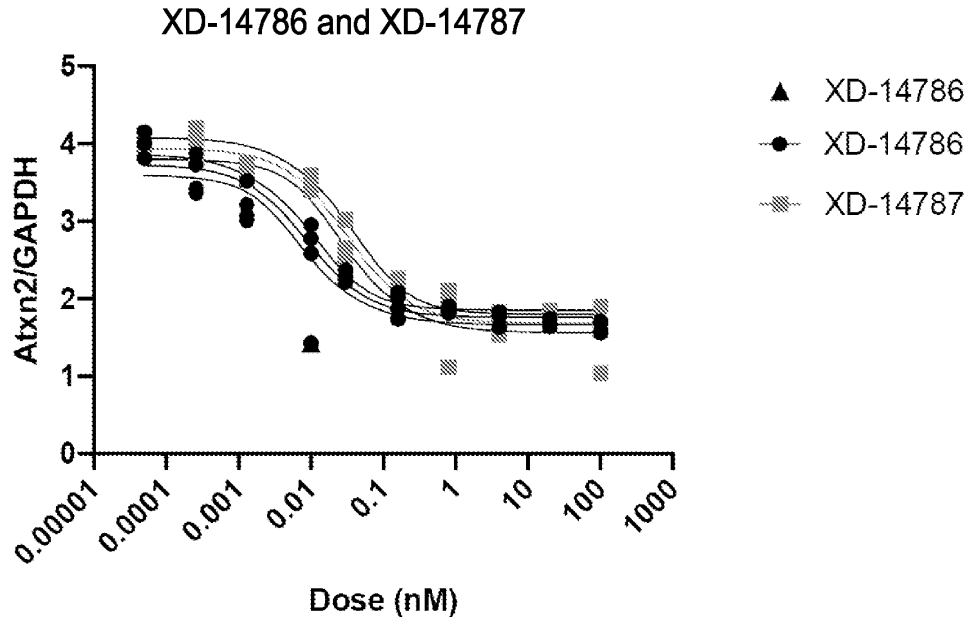


FIG. 12C-1

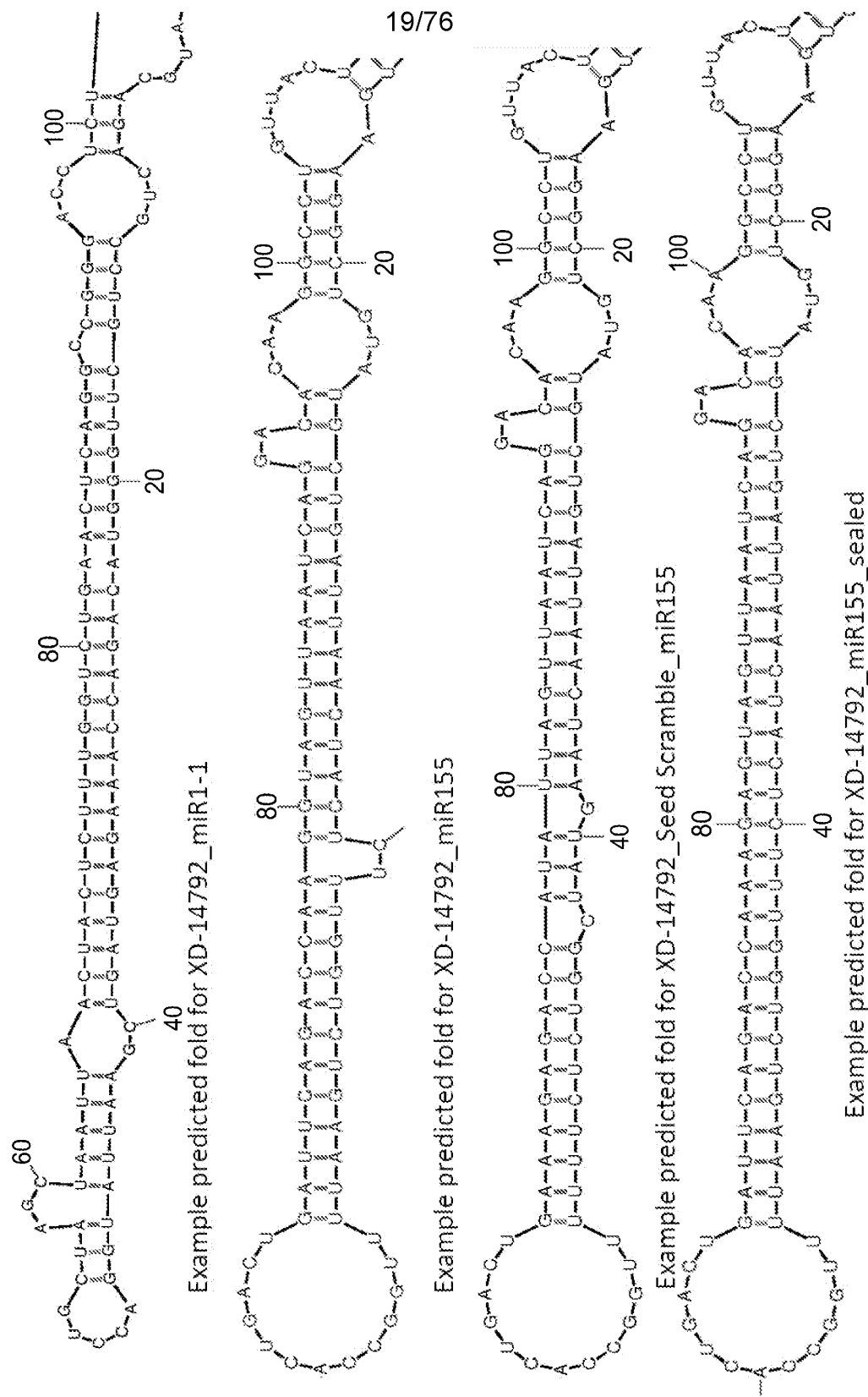


FIG. 13

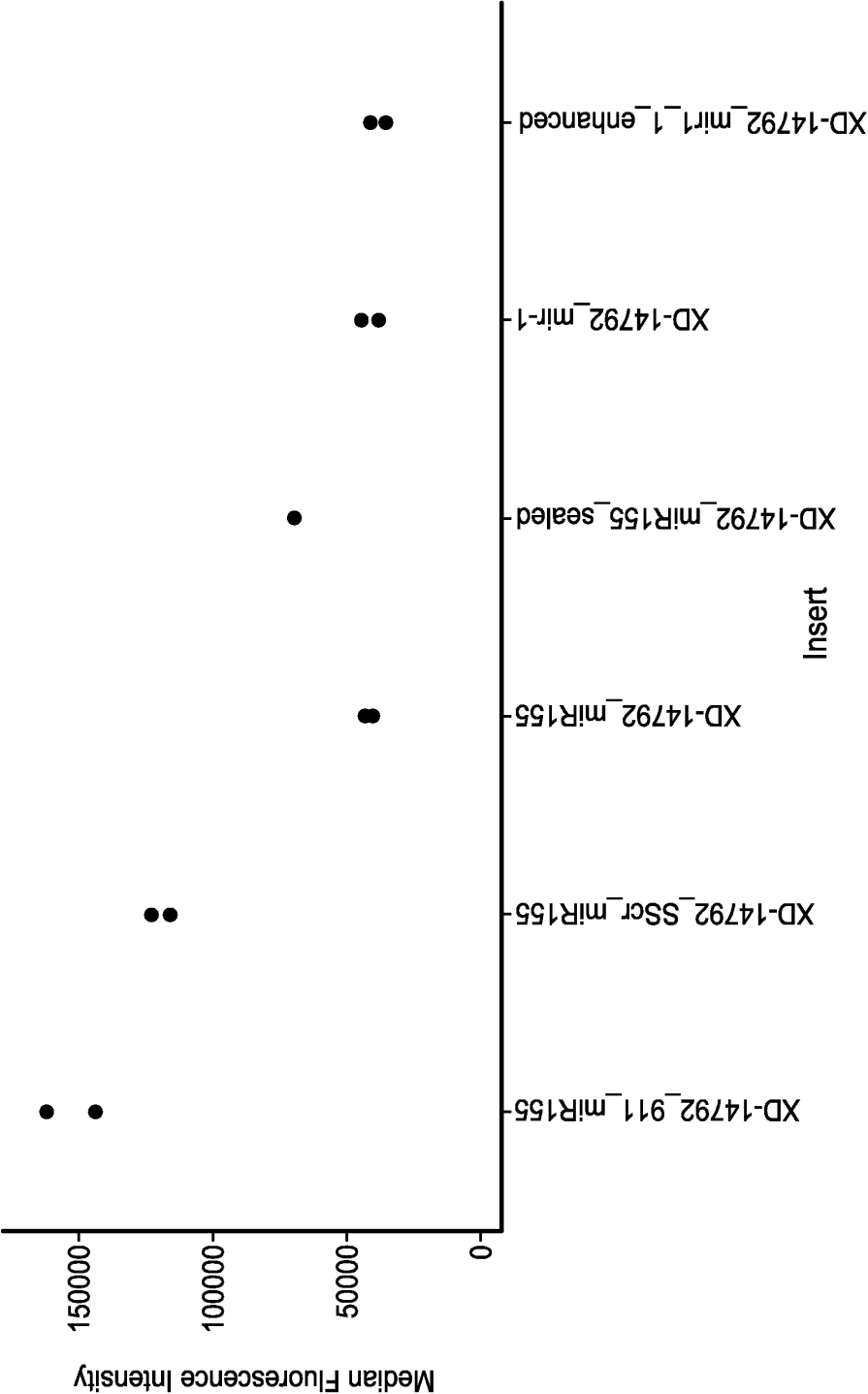


FIG. 14

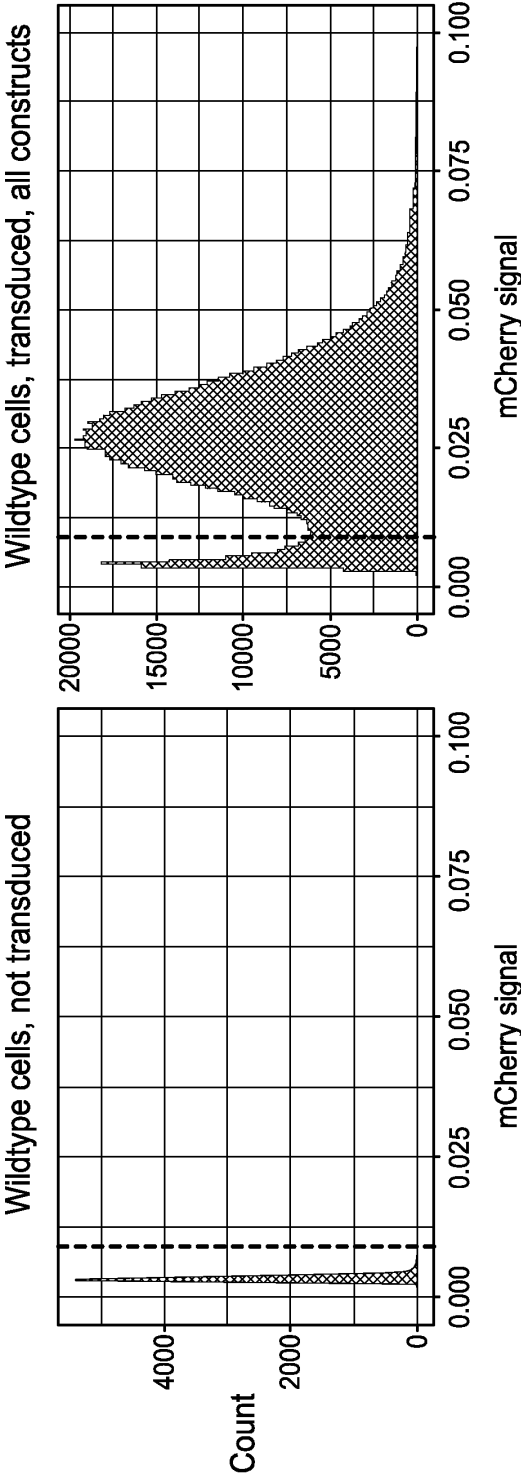


FIG. 15

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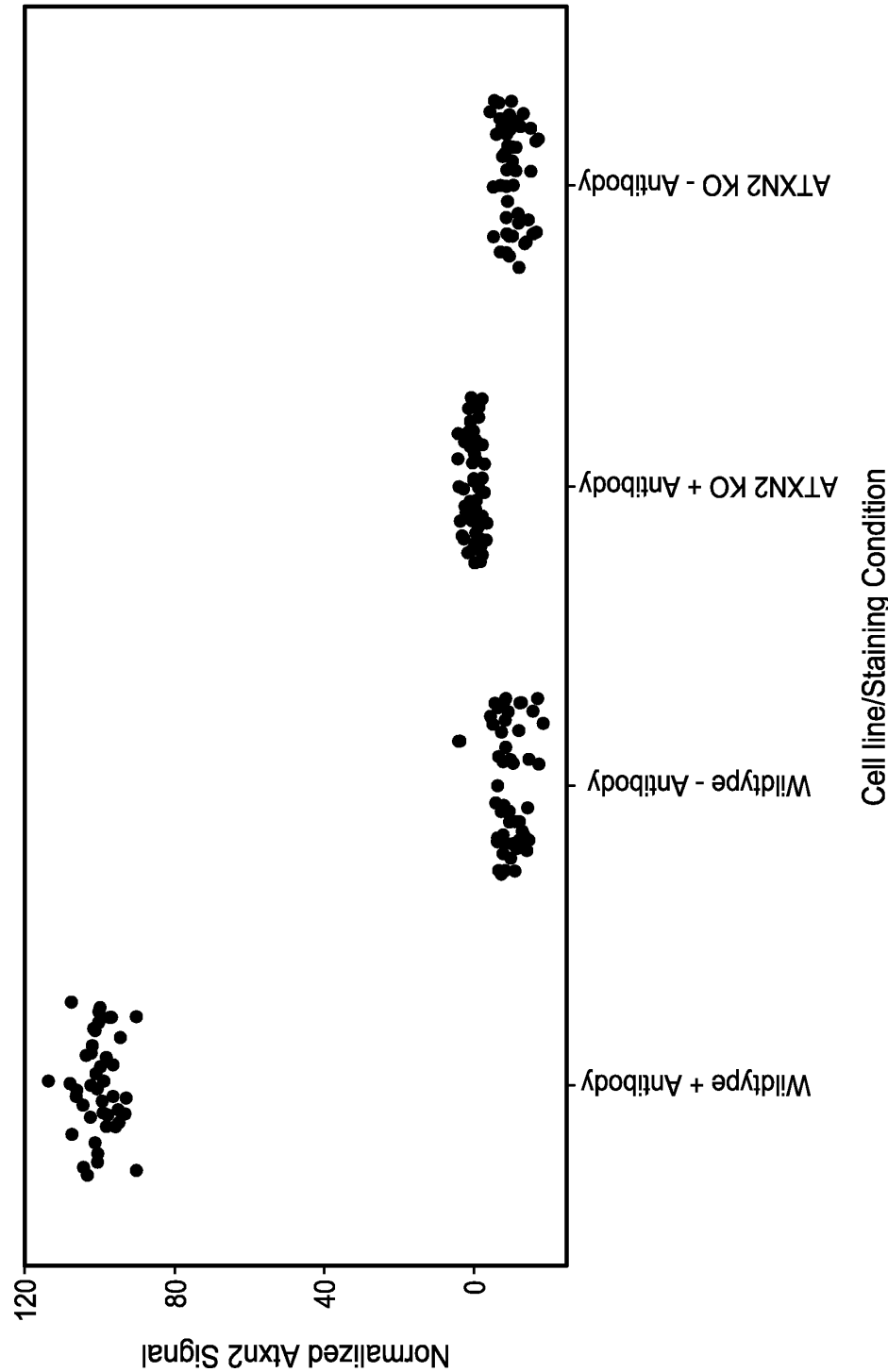


FIG. 16

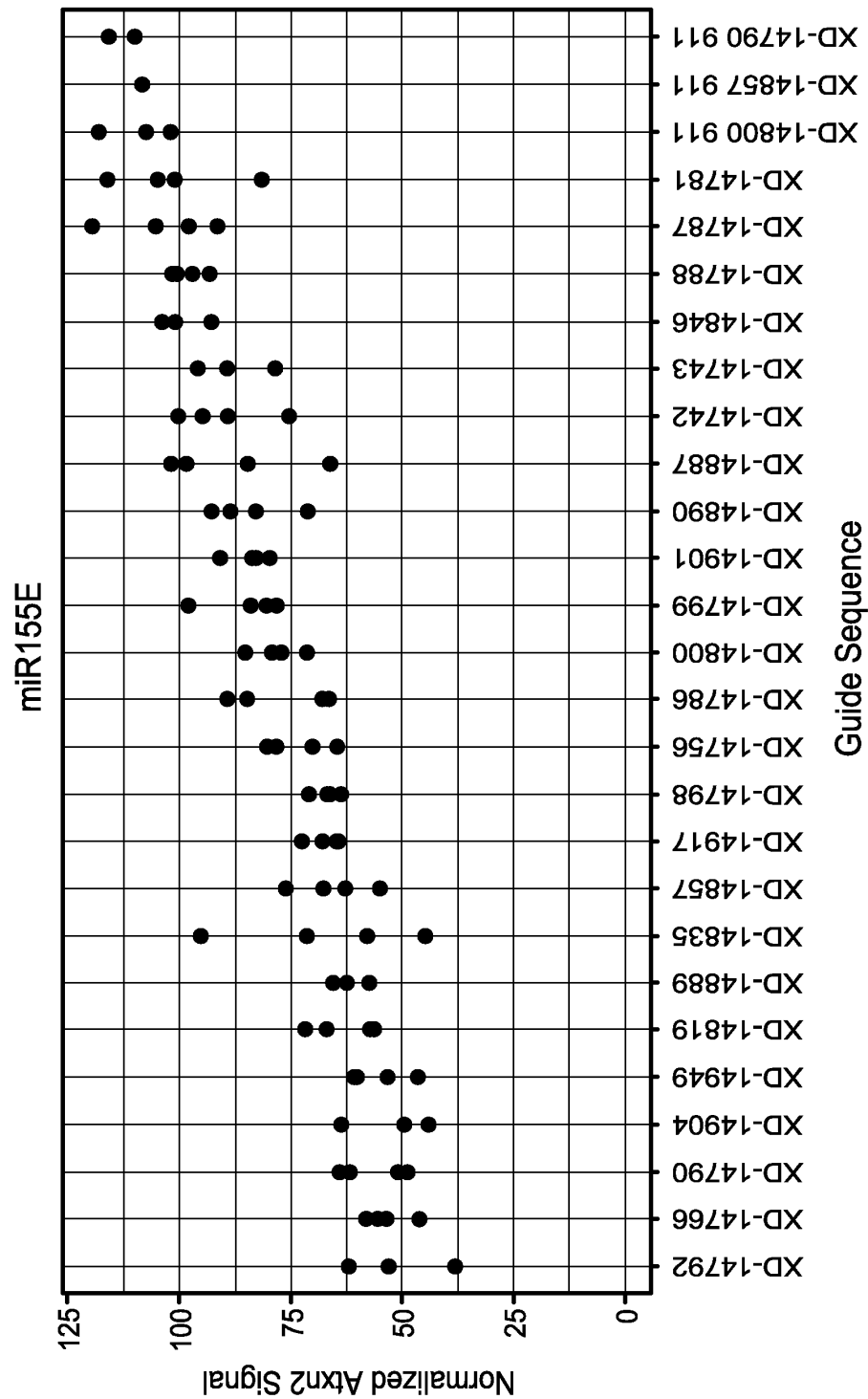


FIG. 17A

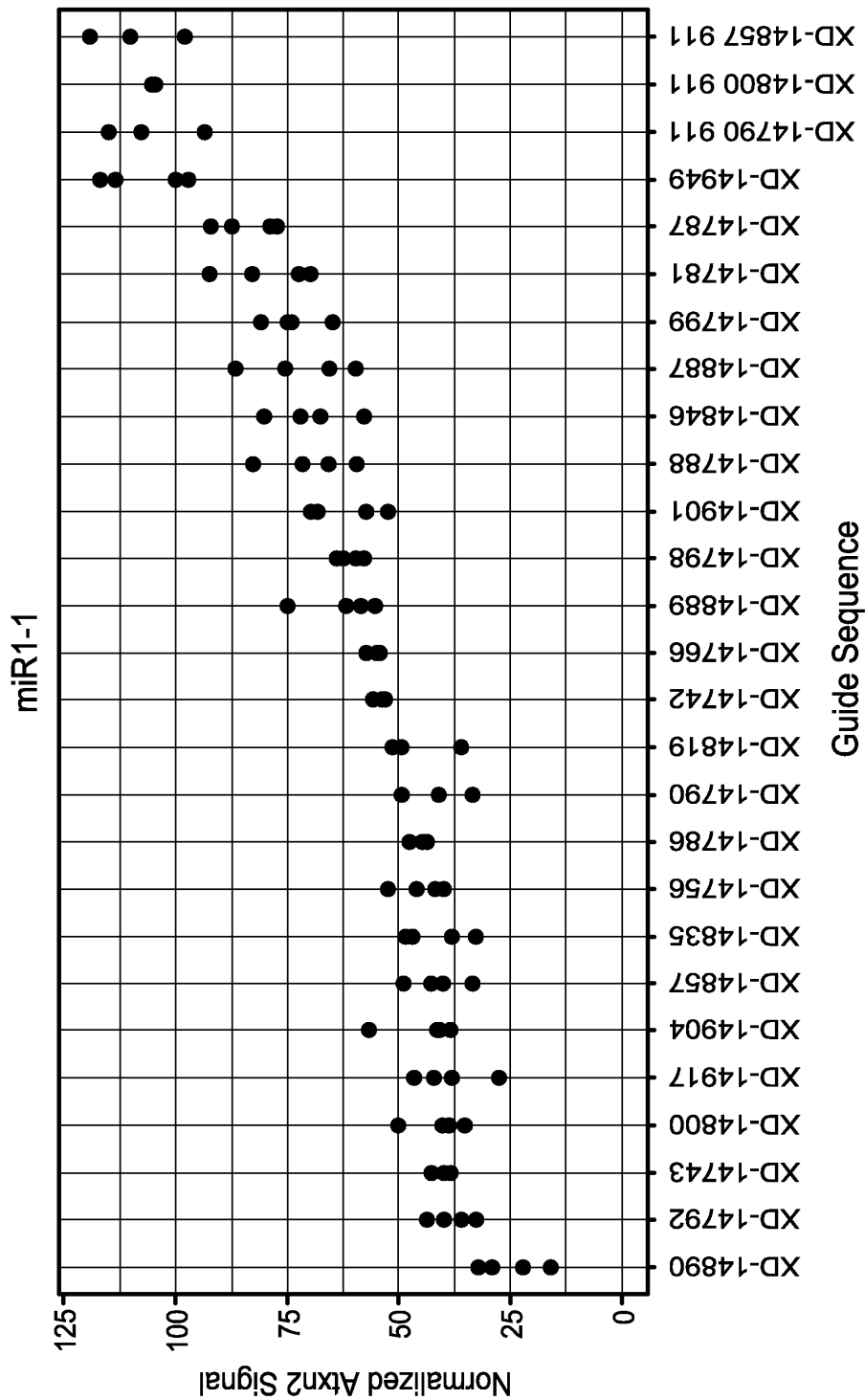


FIG. 17B

EF1alpha > mCherry miR-1-1/miR-155E

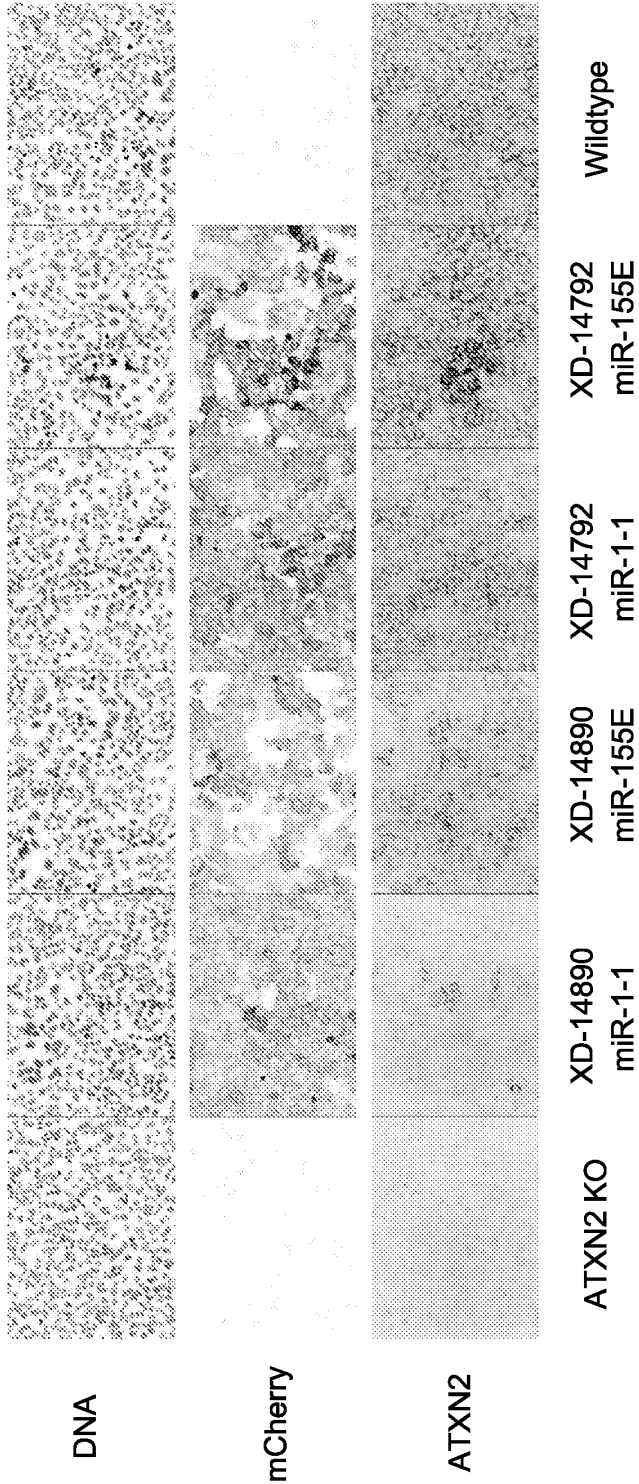


FIG. 18A

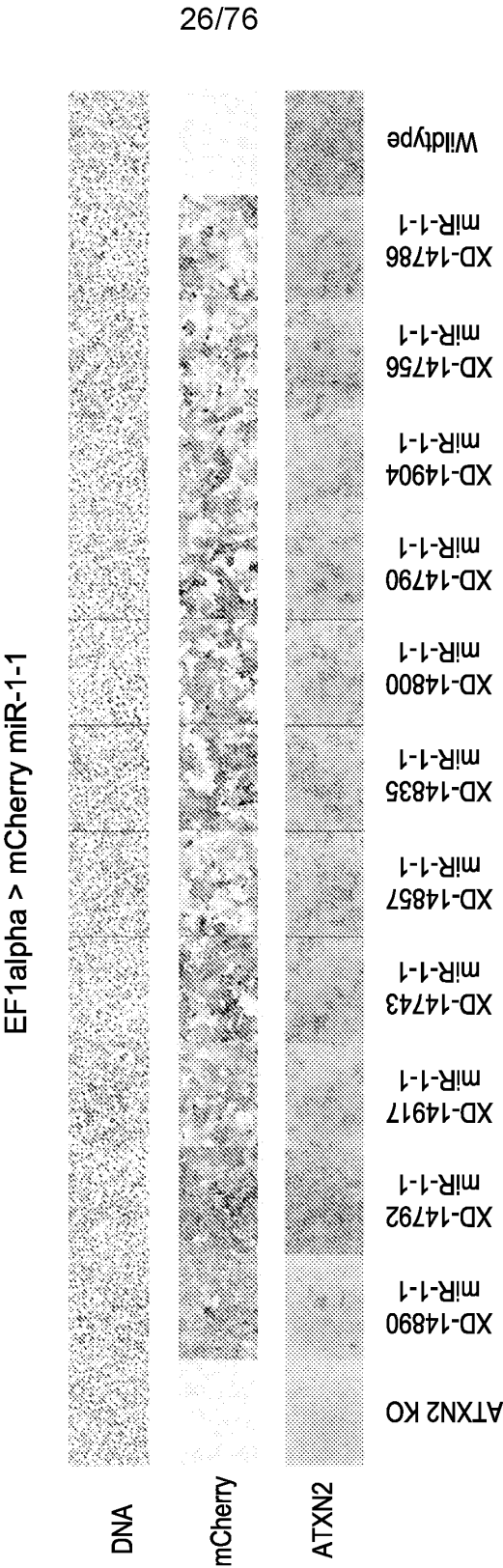


FIG. 18B

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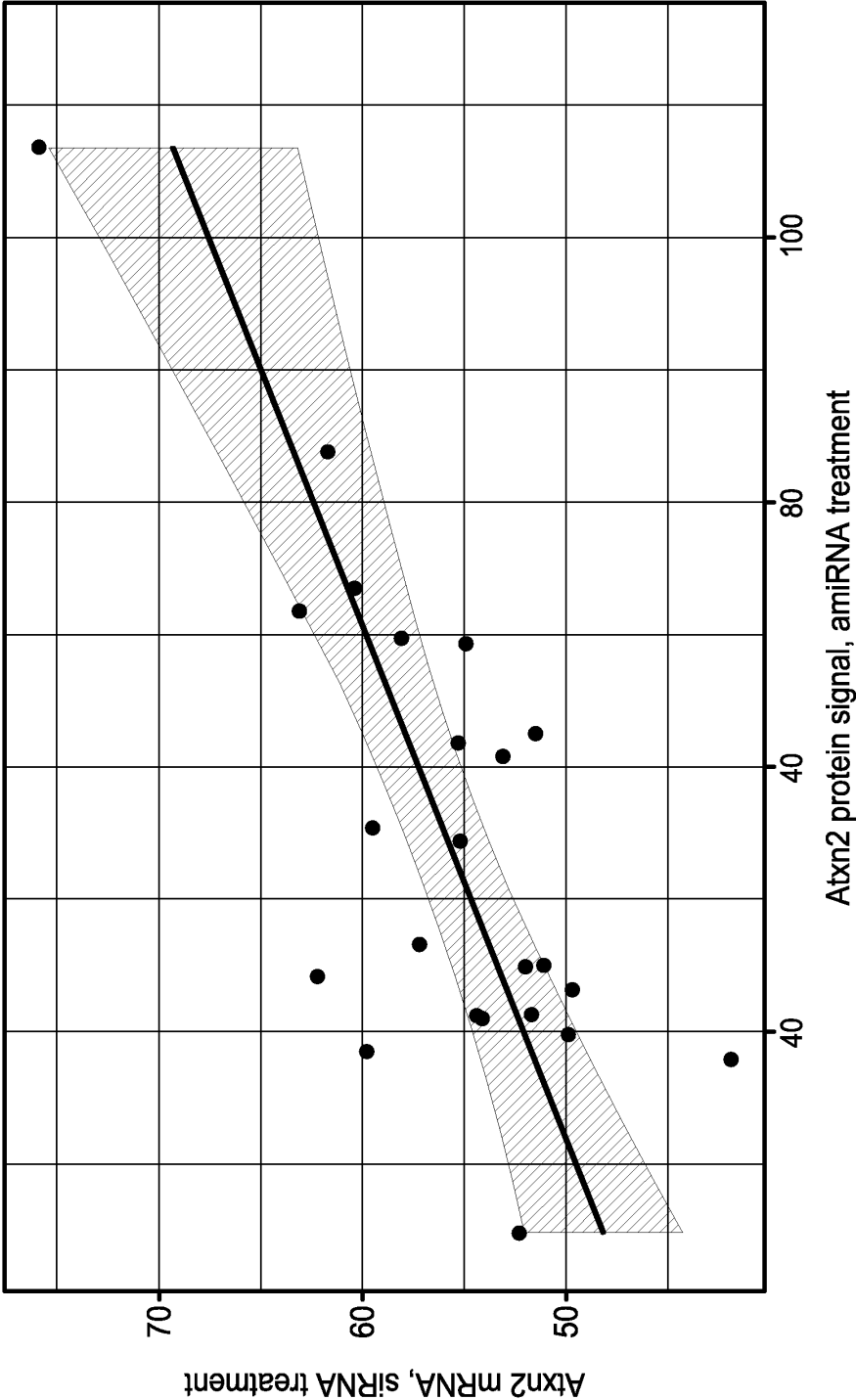


FIG. 19

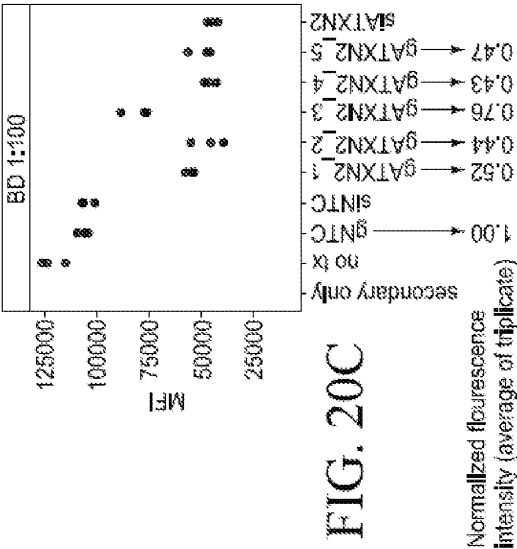
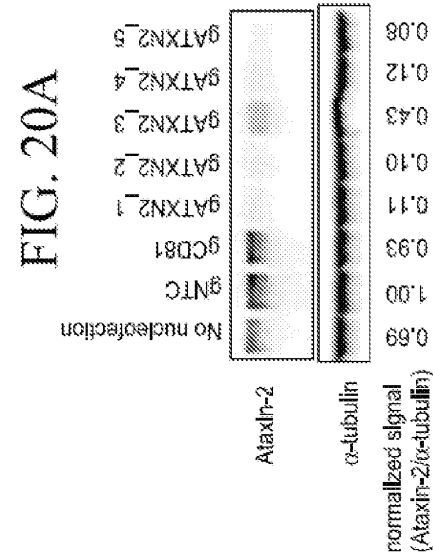
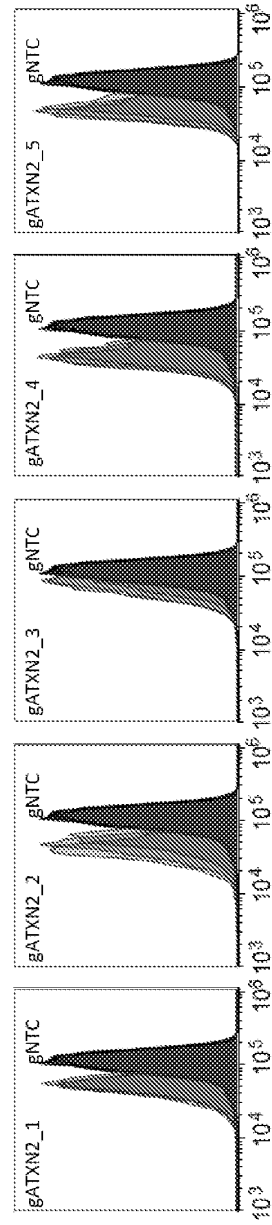


FIG. 20B



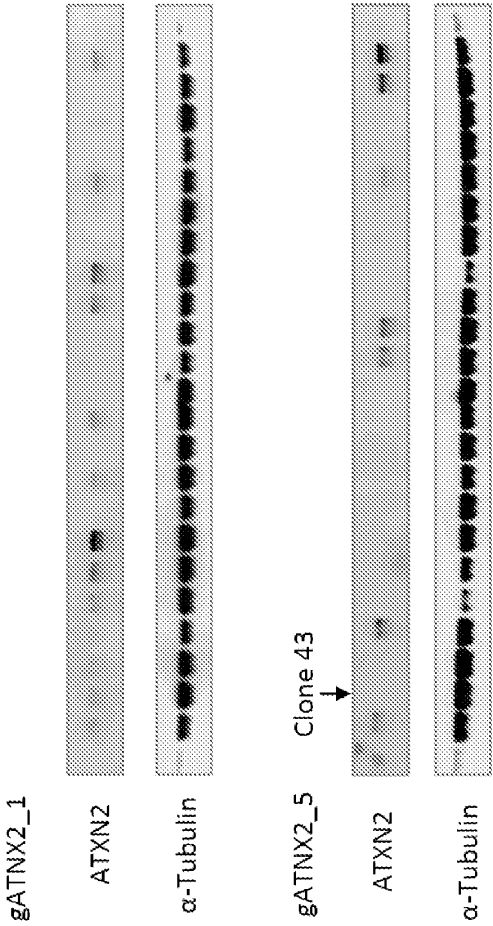


FIG. 21B

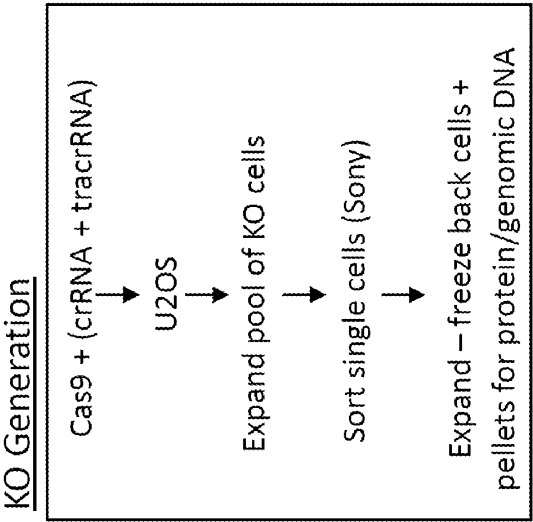


FIG. 21A

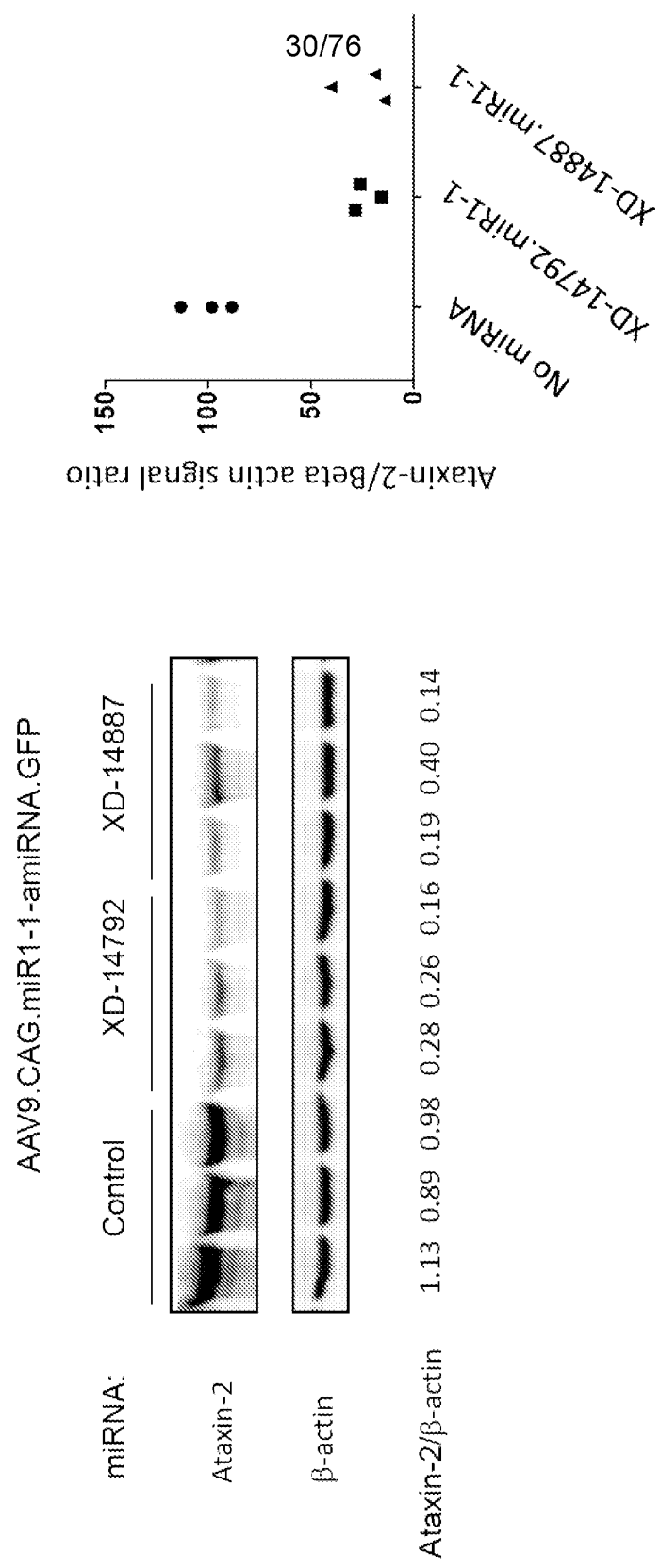


FIG. 22

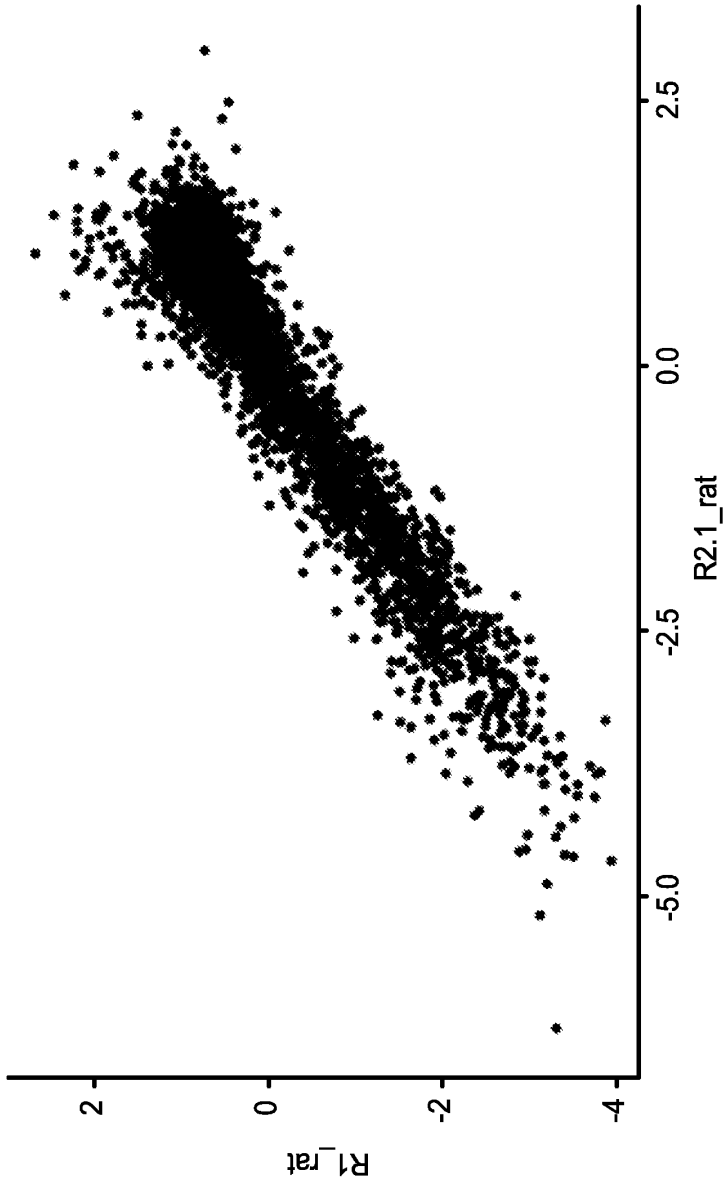


FIG. 23A

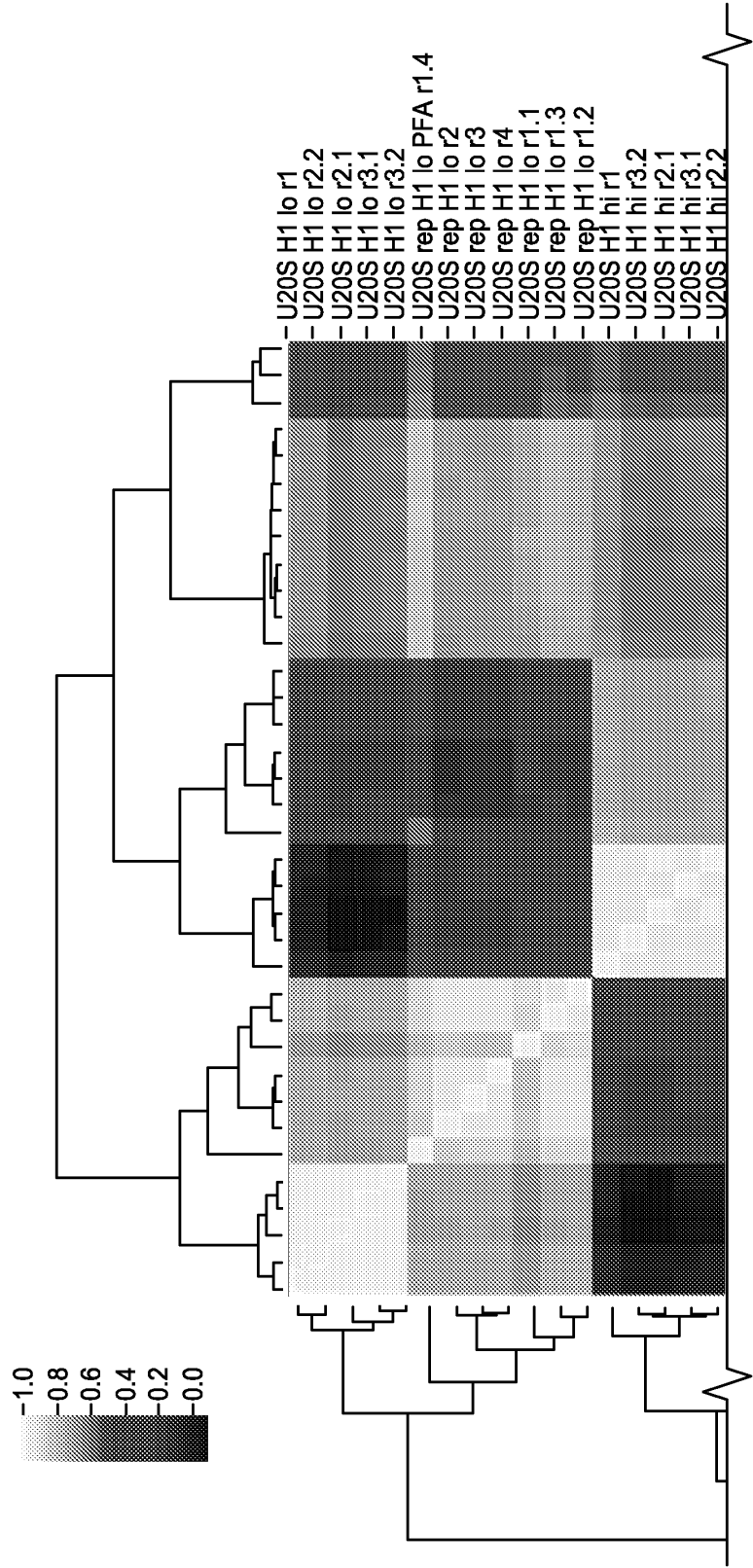


FIG. 23B-1

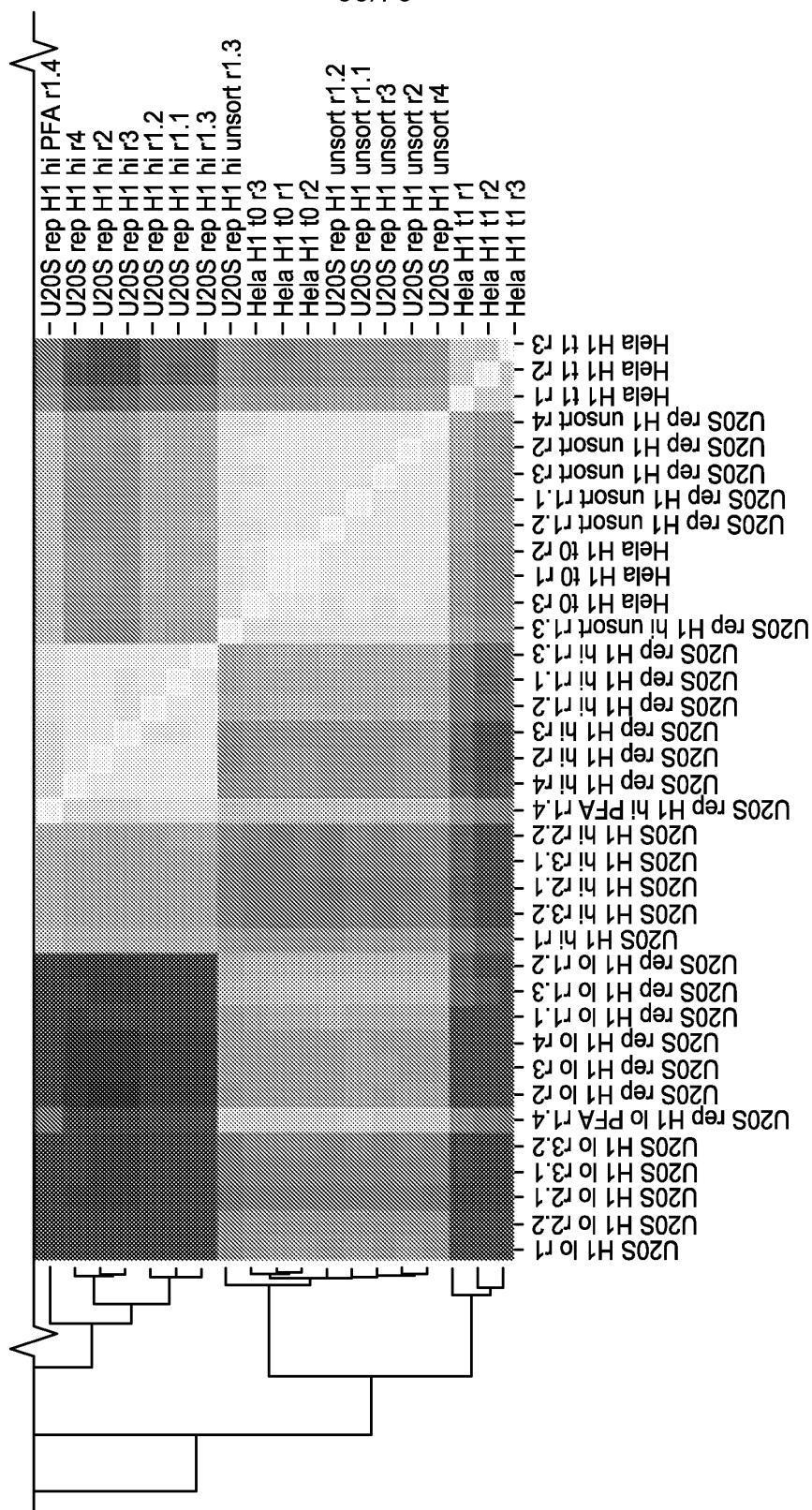


FIG. 23B-2

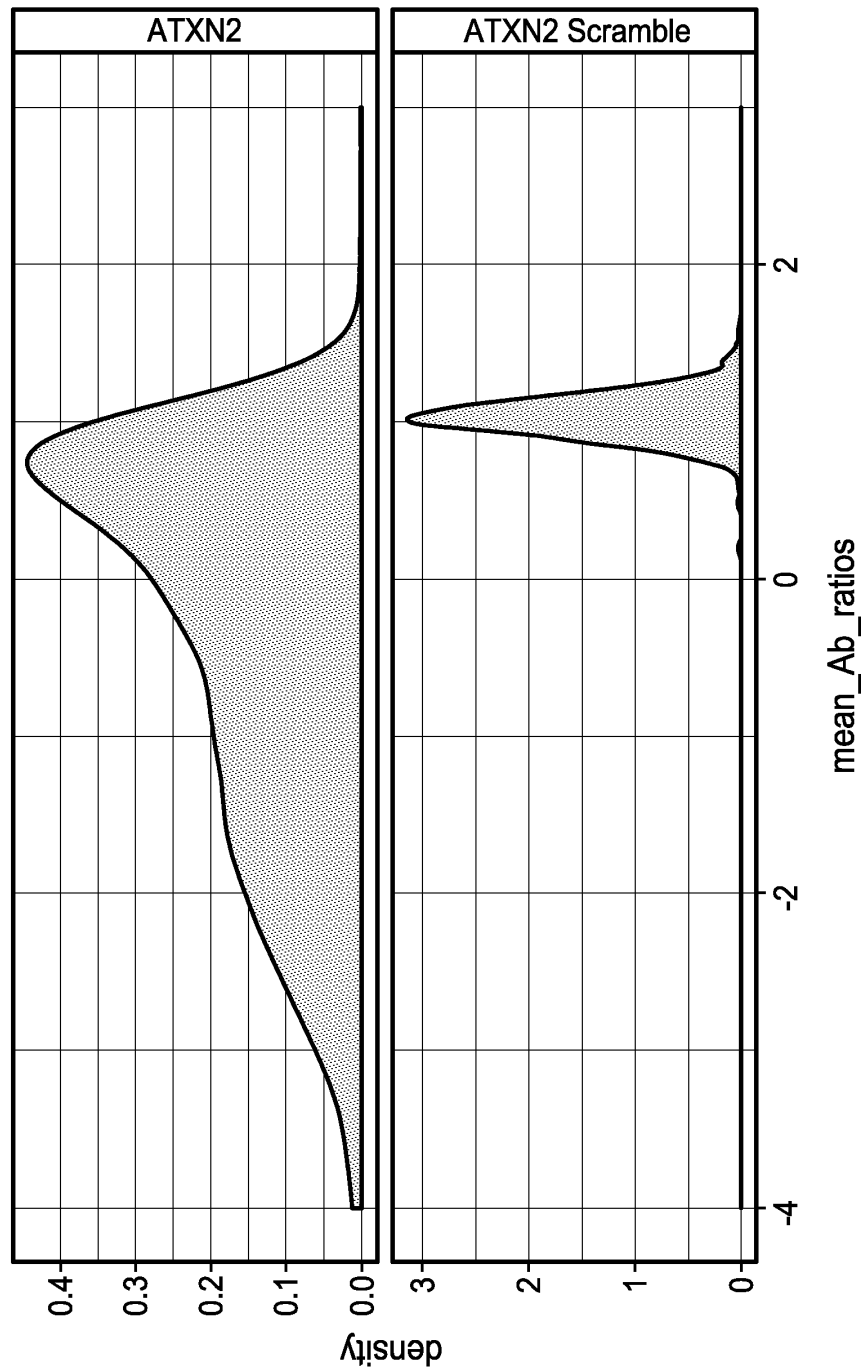


FIG. 24

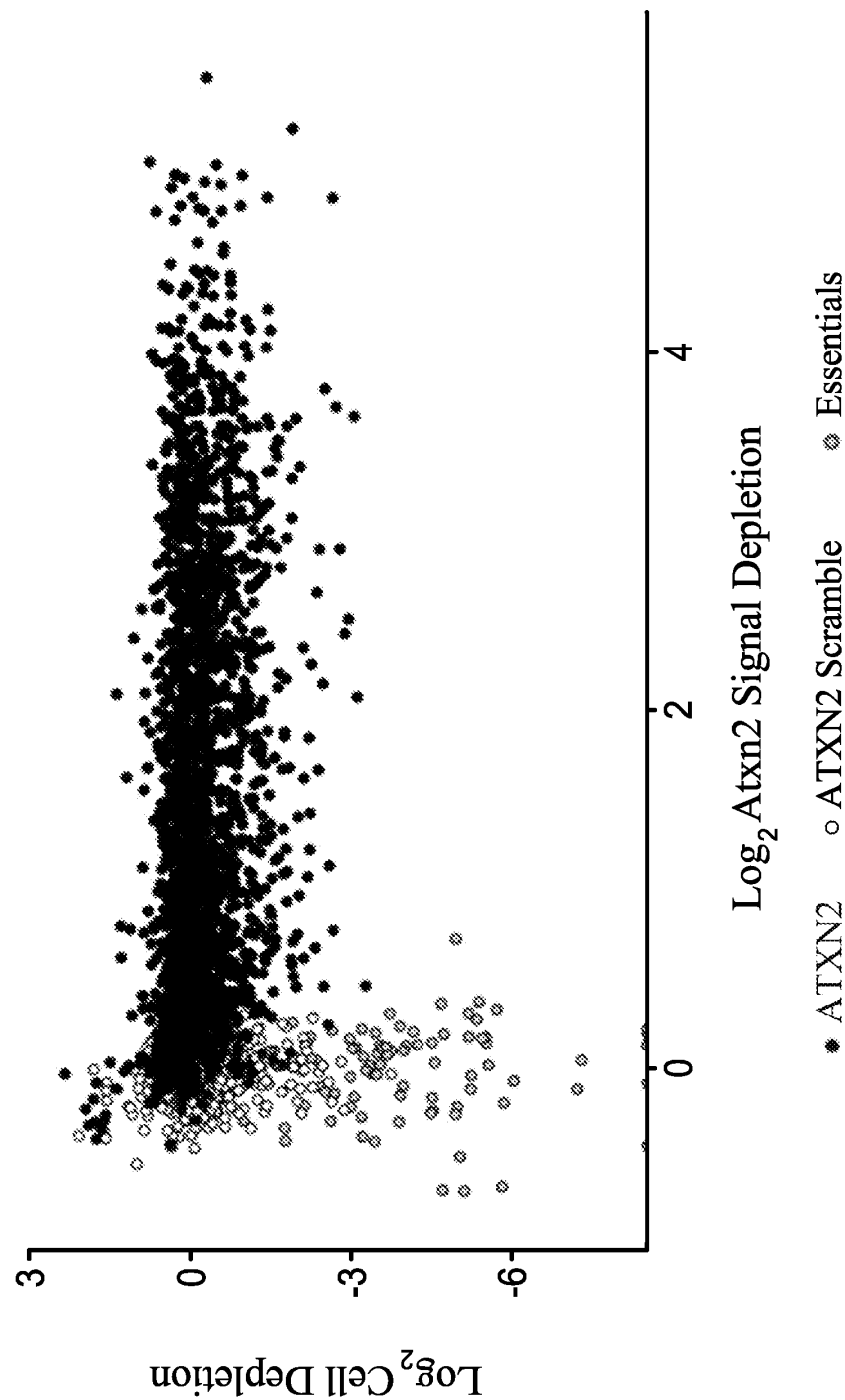


FIG. 25

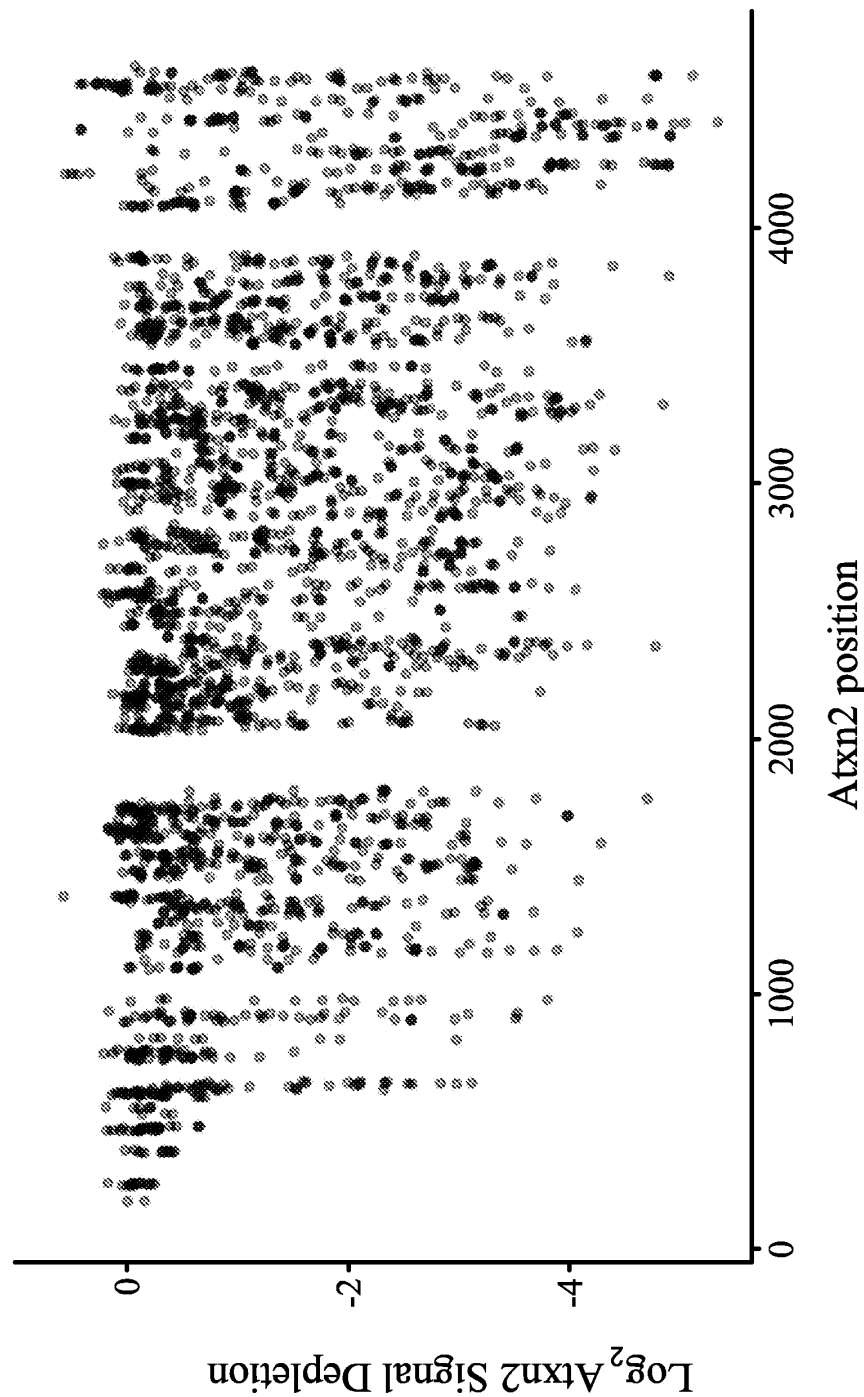


FIG. 26

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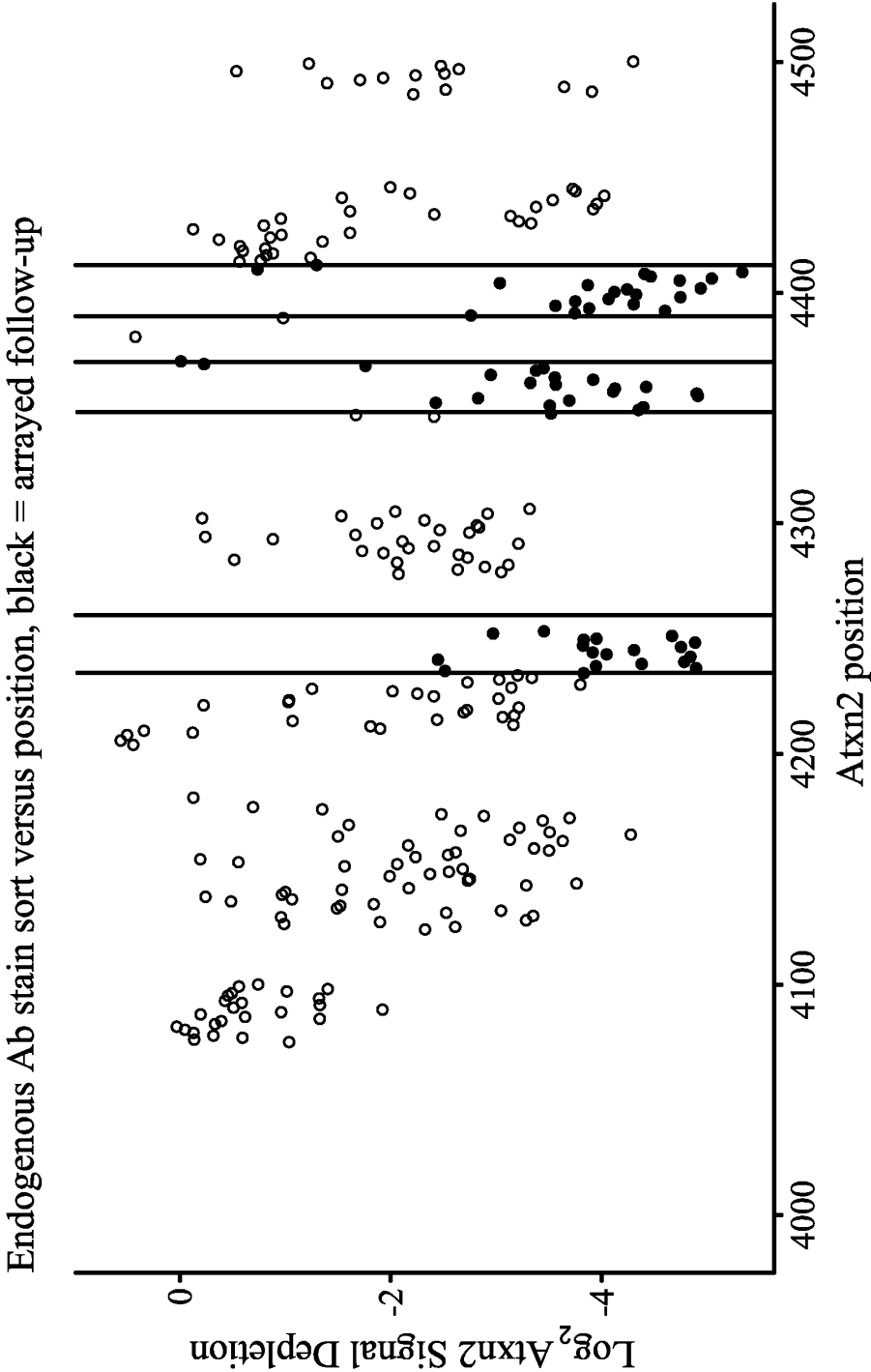


FIG. 27

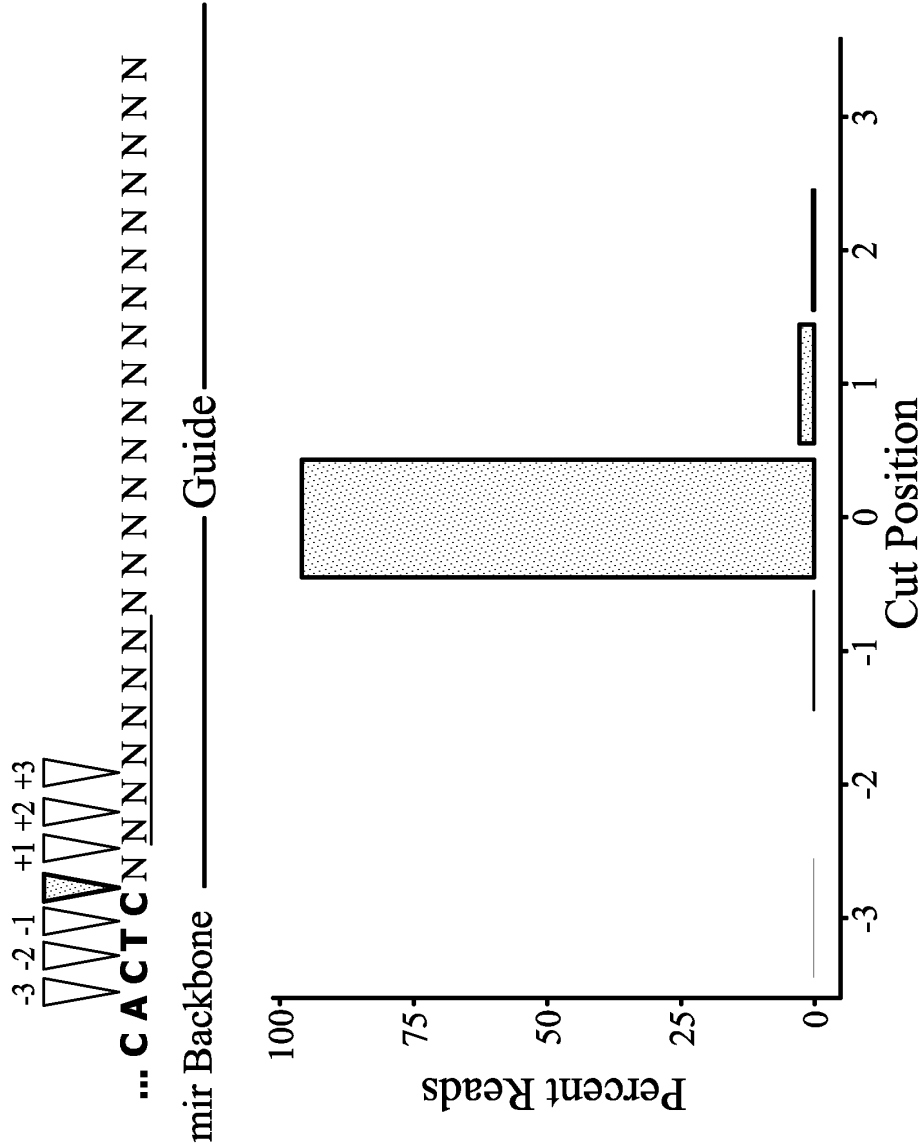


FIG. 28

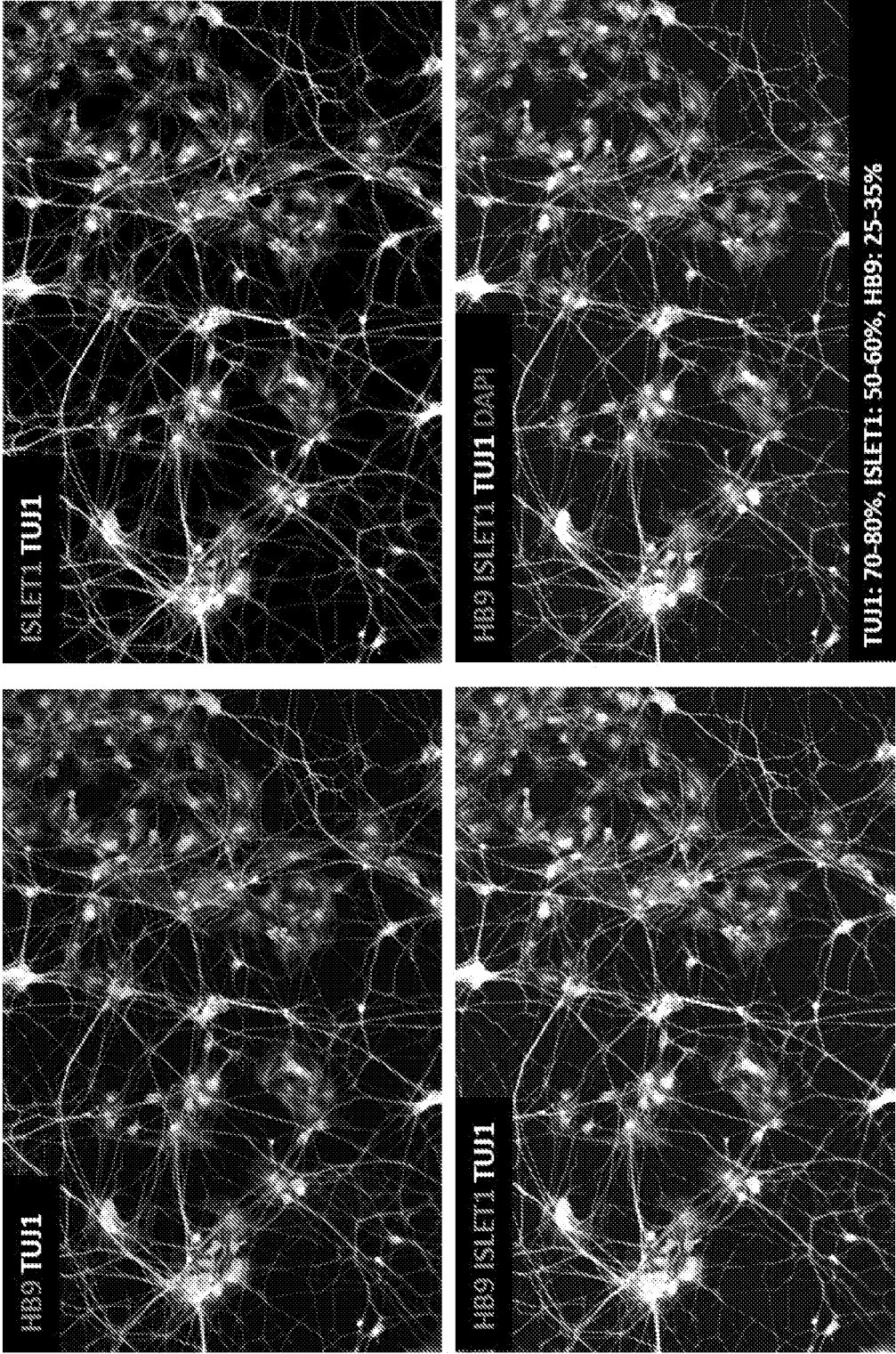


FIG. 29

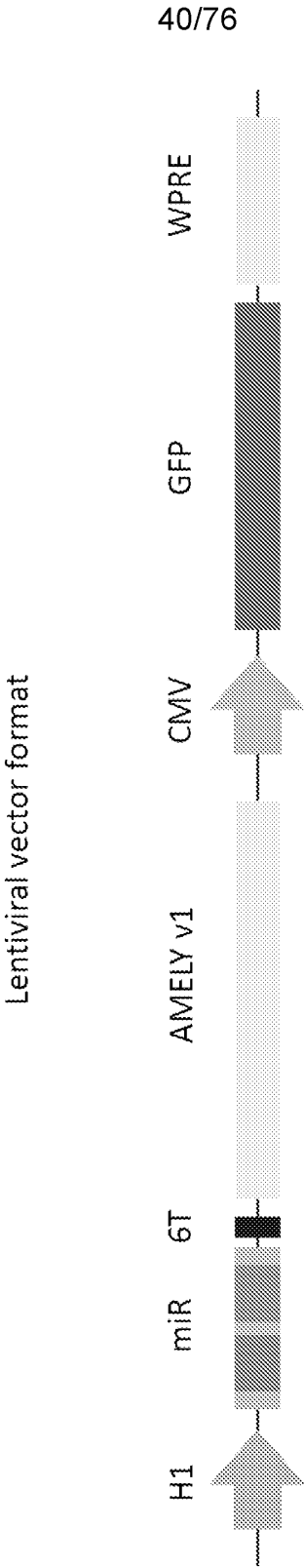


FIG. 30A

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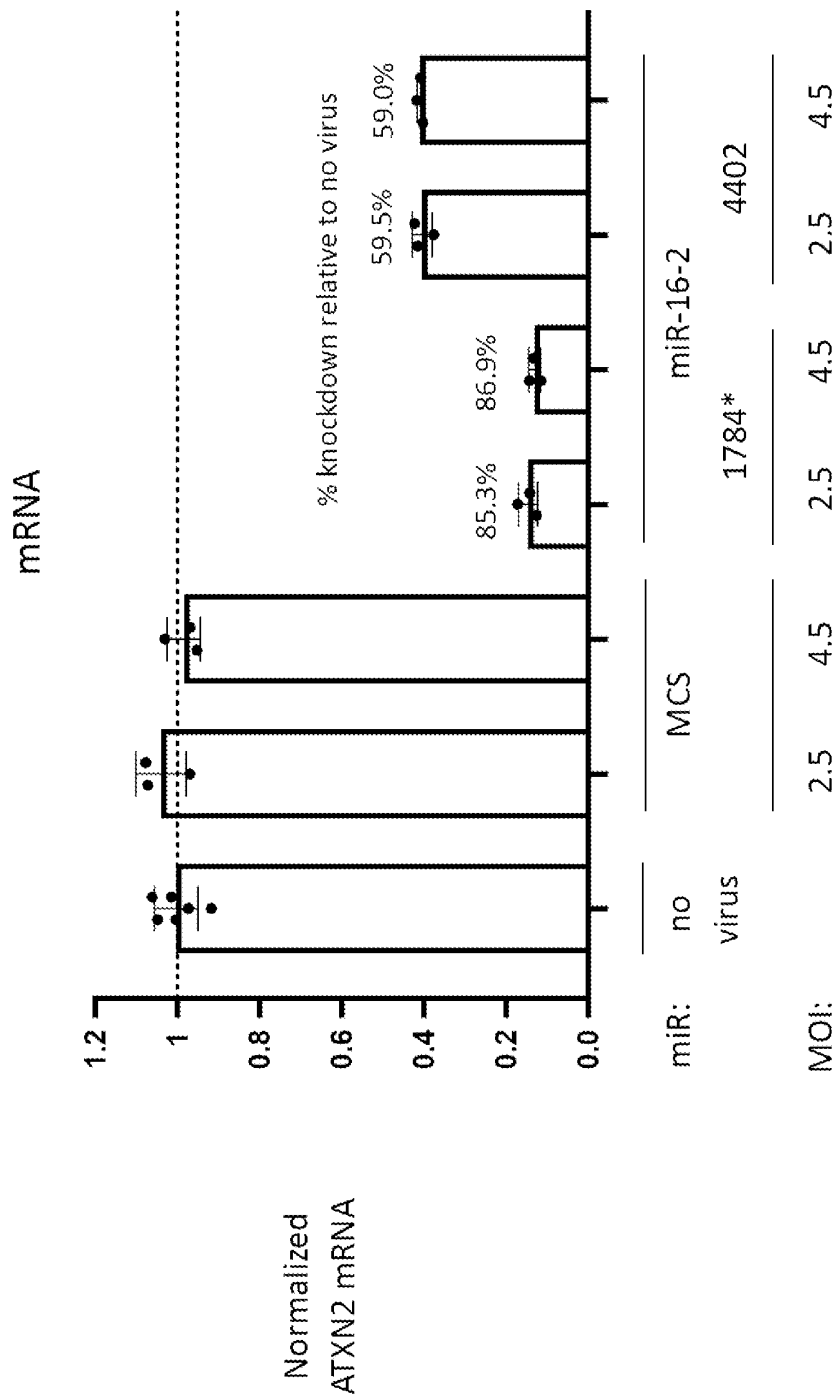
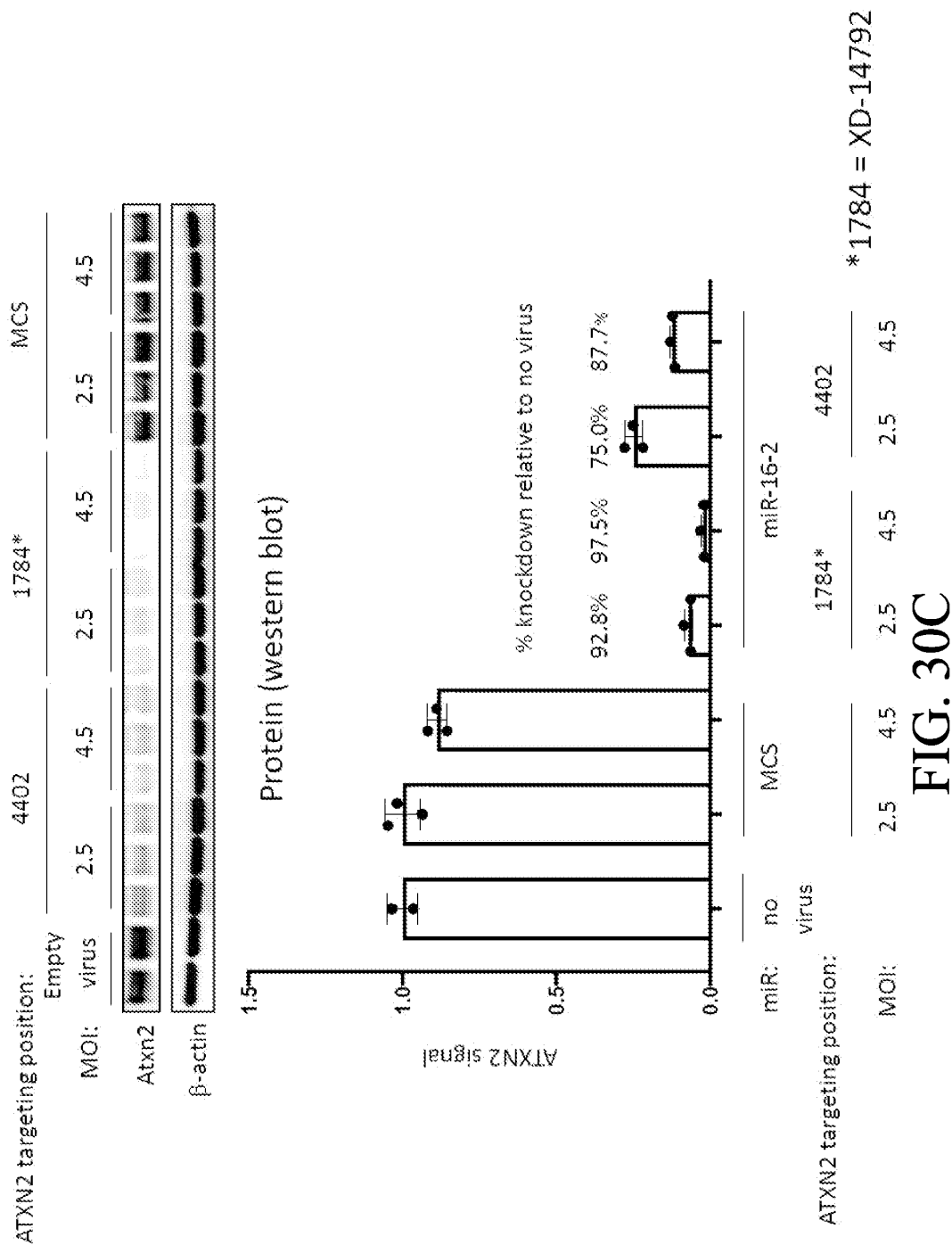


FIG. 30B



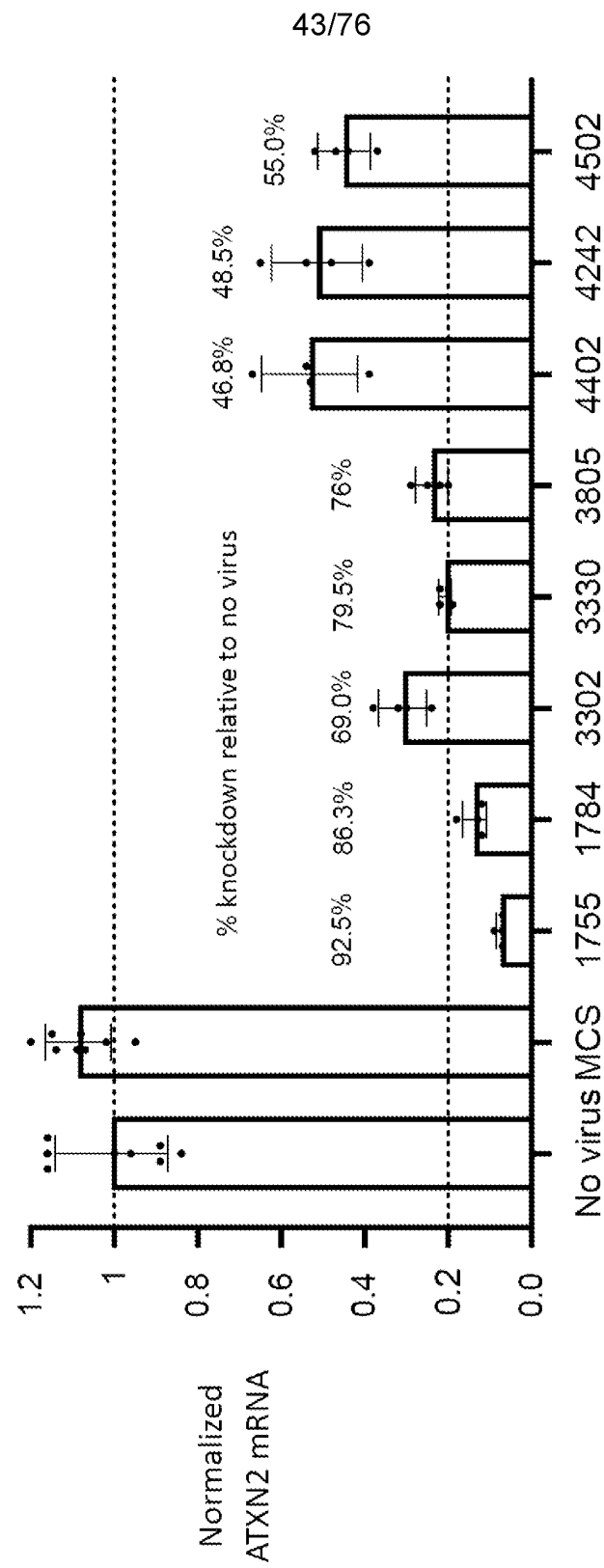


FIG. 31

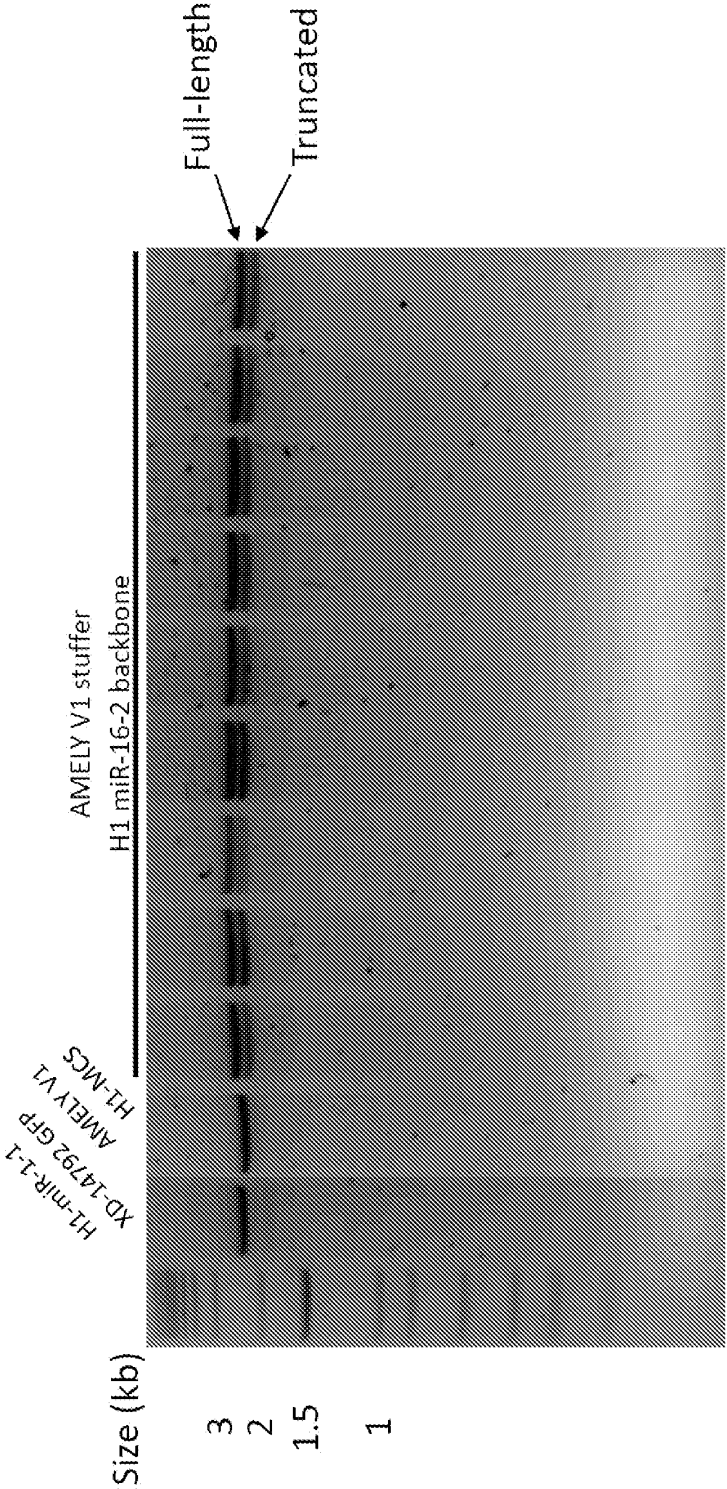


FIG. 32

Log₂ fold change abundance of amiRNAs in 10% lowest Atxn2 signal cells versus unsorted cells

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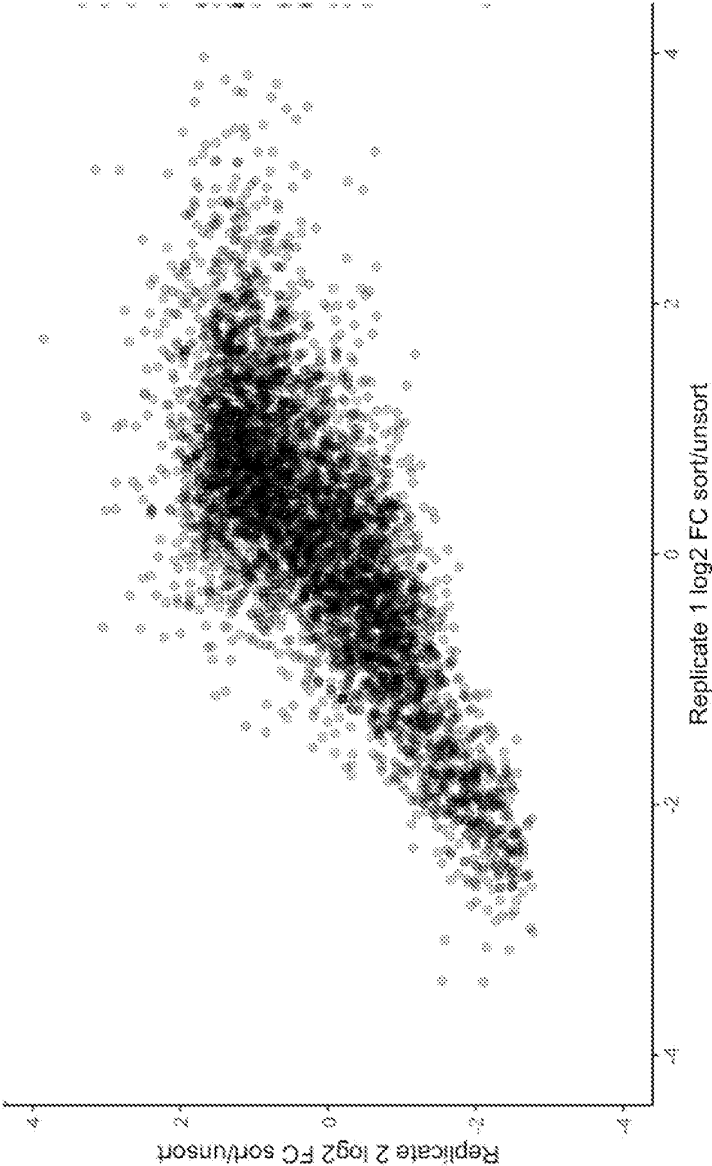


FIG. 33A

Log₂ fold change abundance of amiRNAs in 10% lowest Atxn2 signal cells versus unsorted cells

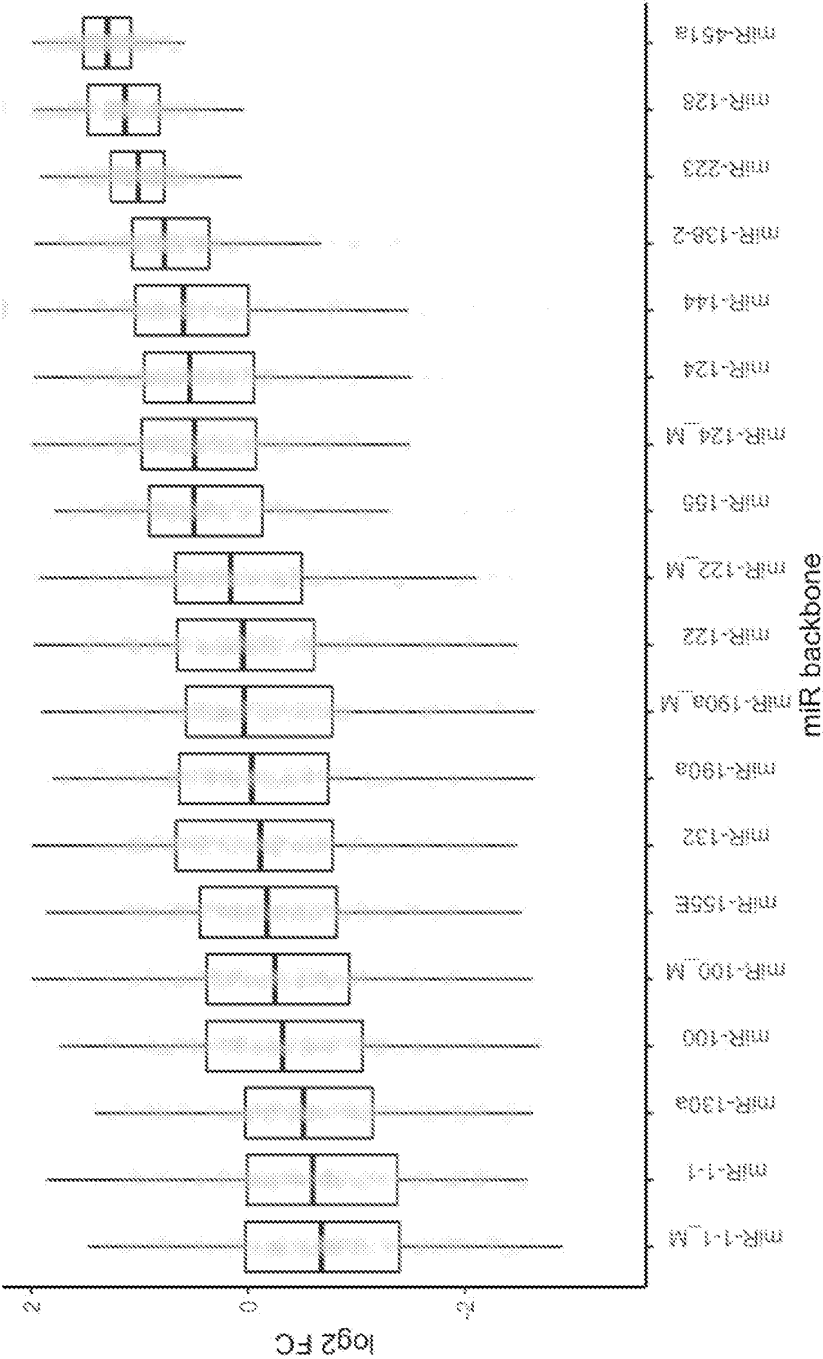


FIG. 33B

Log₂ fold change abundance of amiRNAs in cells 16 days after transduction versus 1 day after transduction

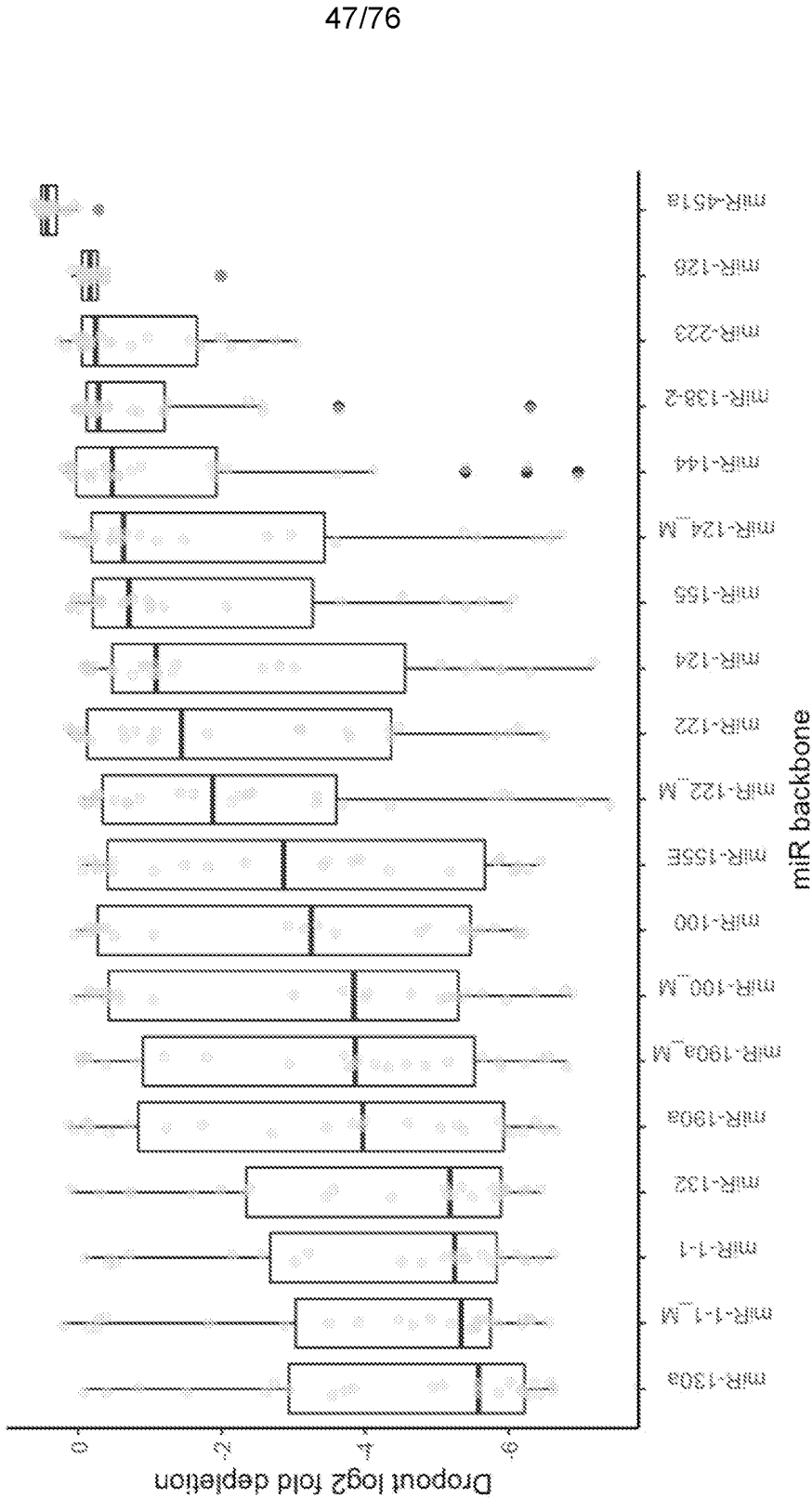


FIG. 34

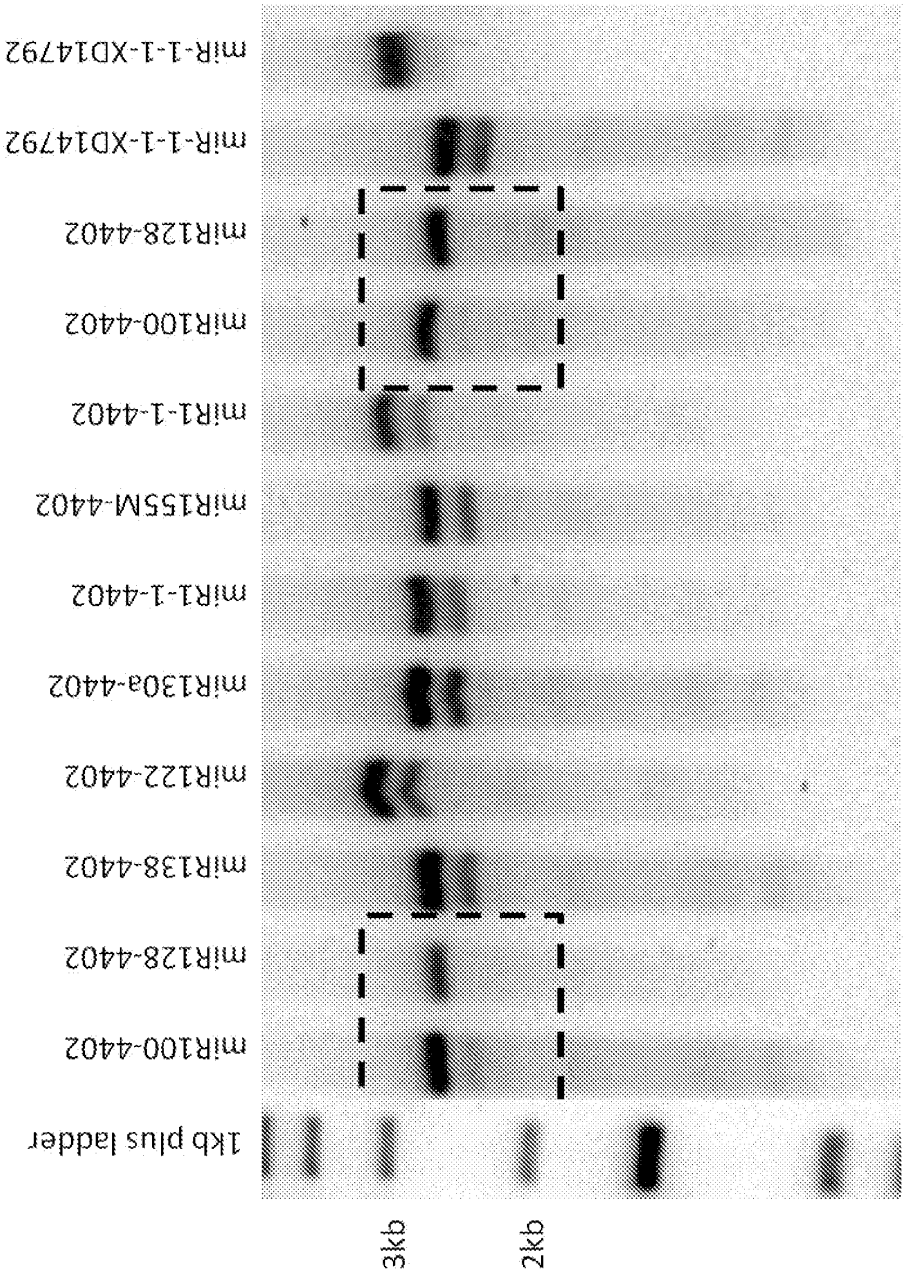


FIG. 35

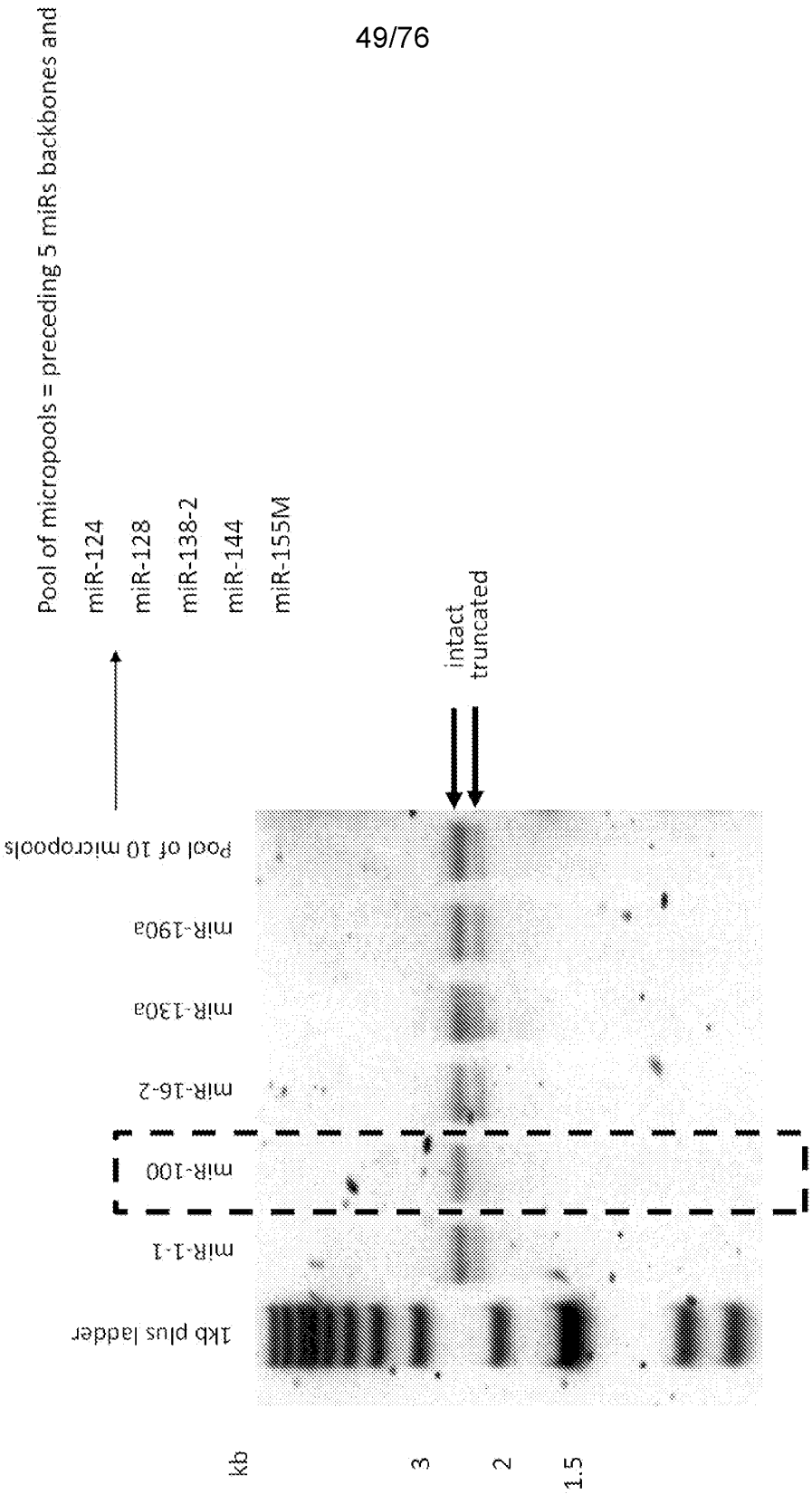


FIG. 36

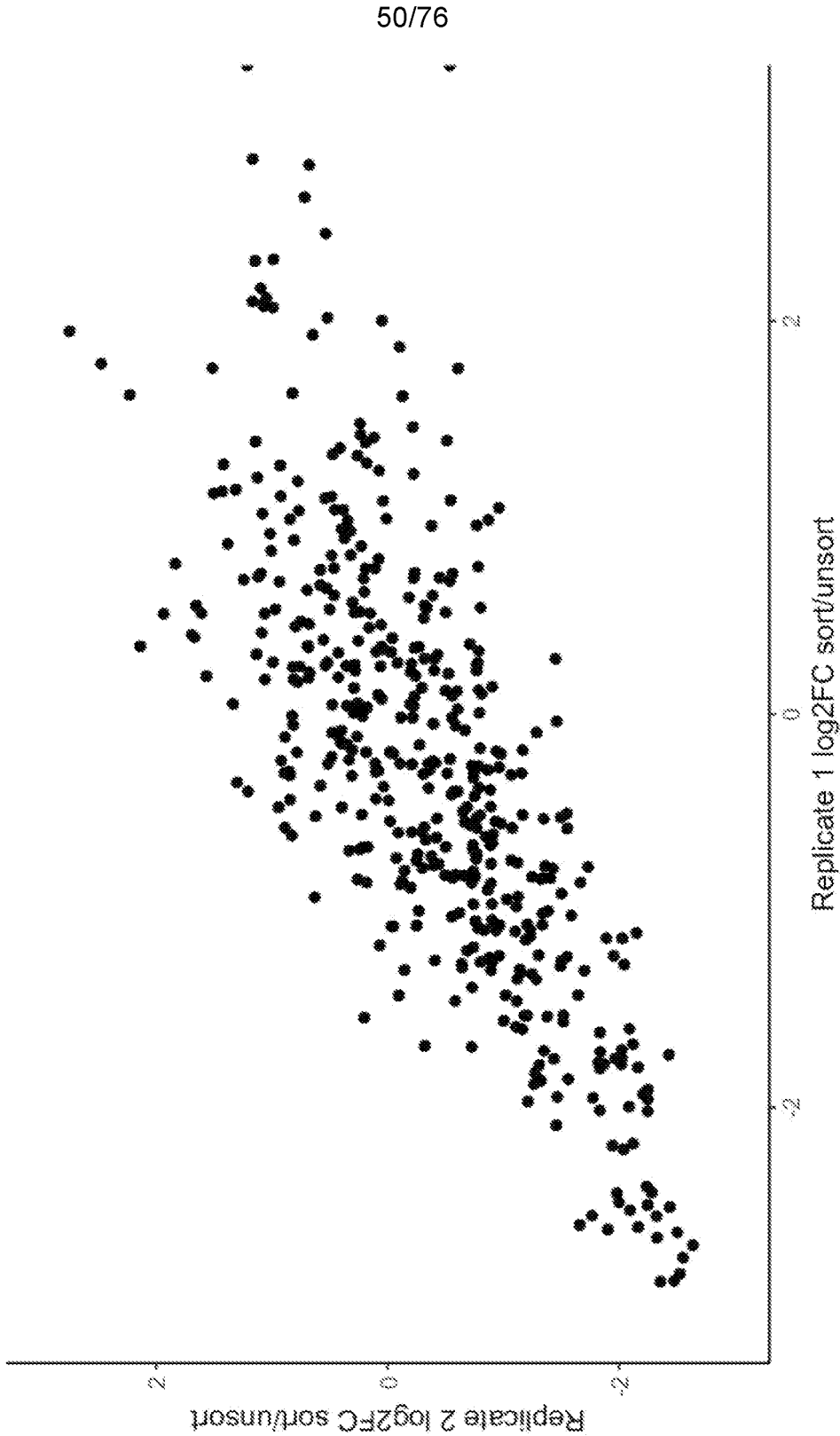


FIG. 37

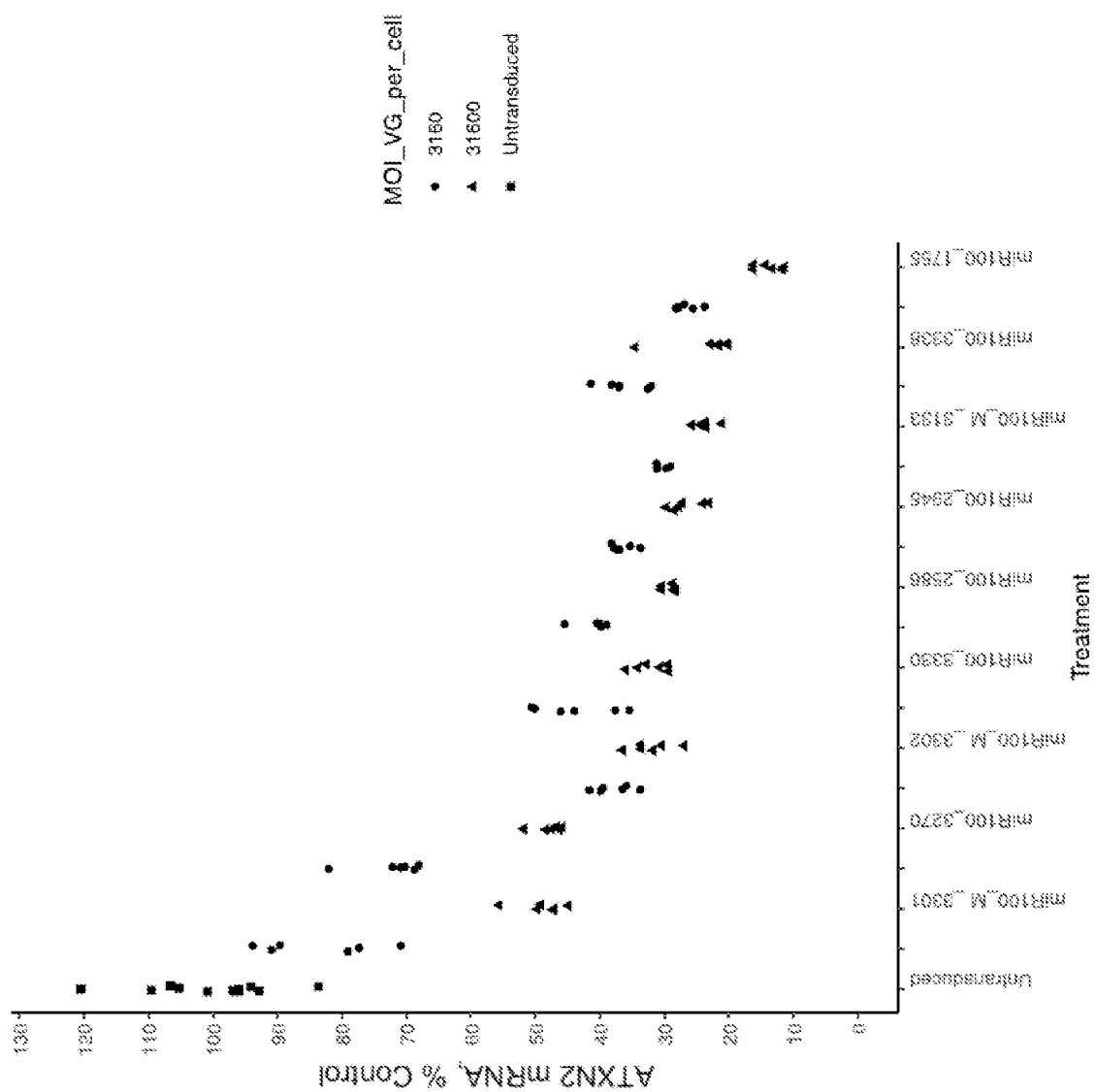


FIG. 38

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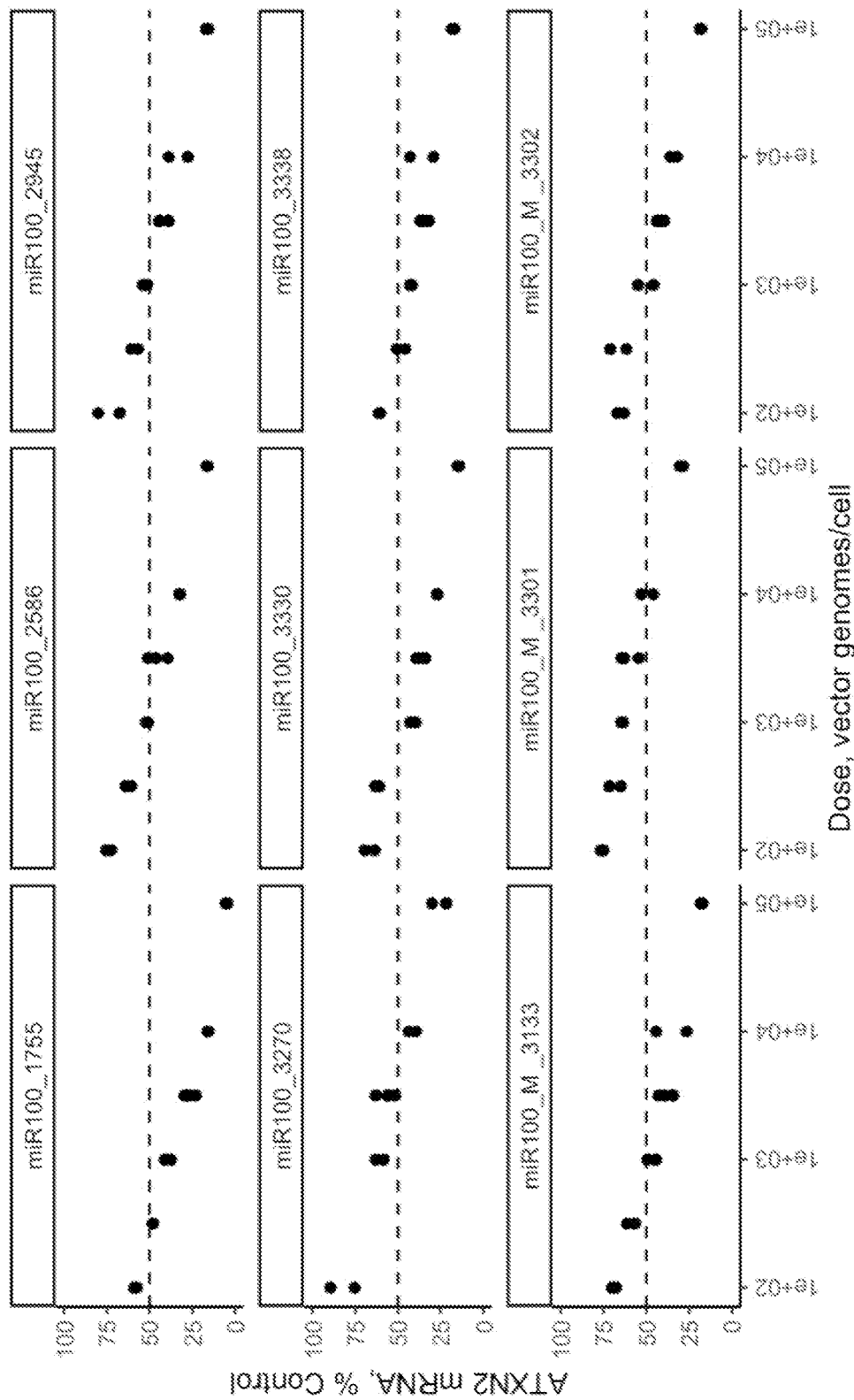


FIG. 39

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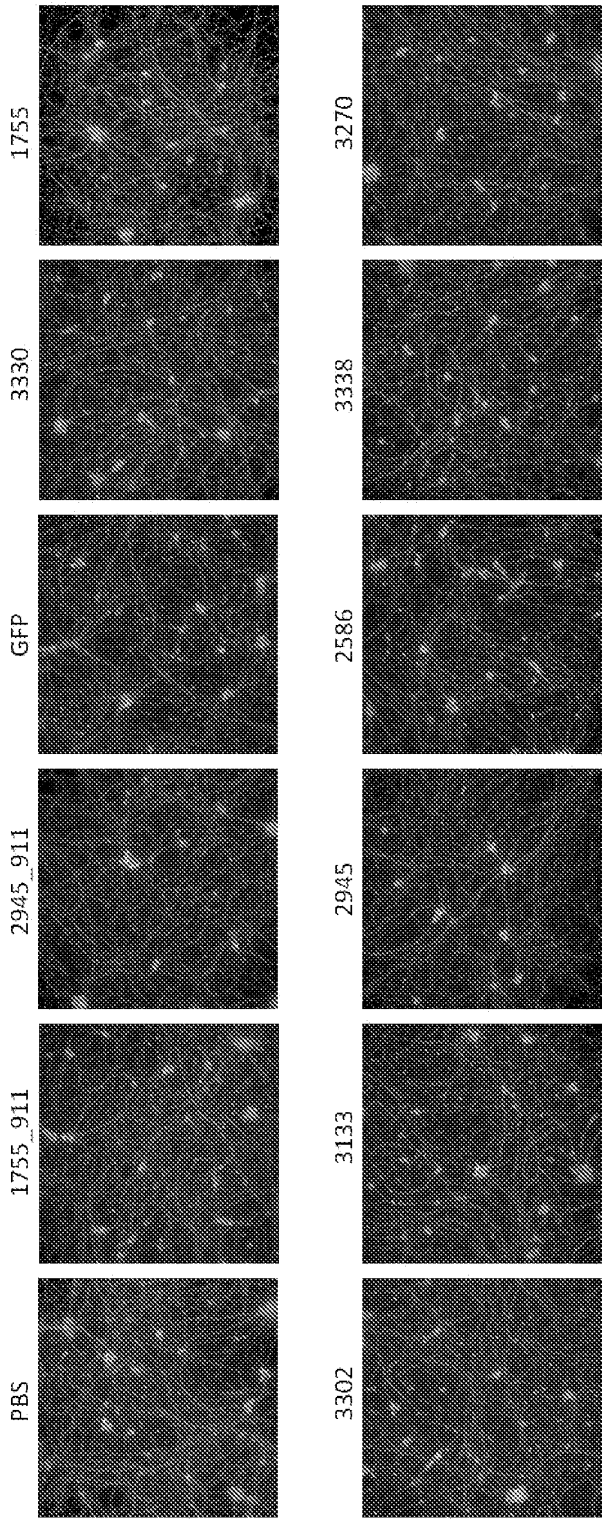


FIG. 40

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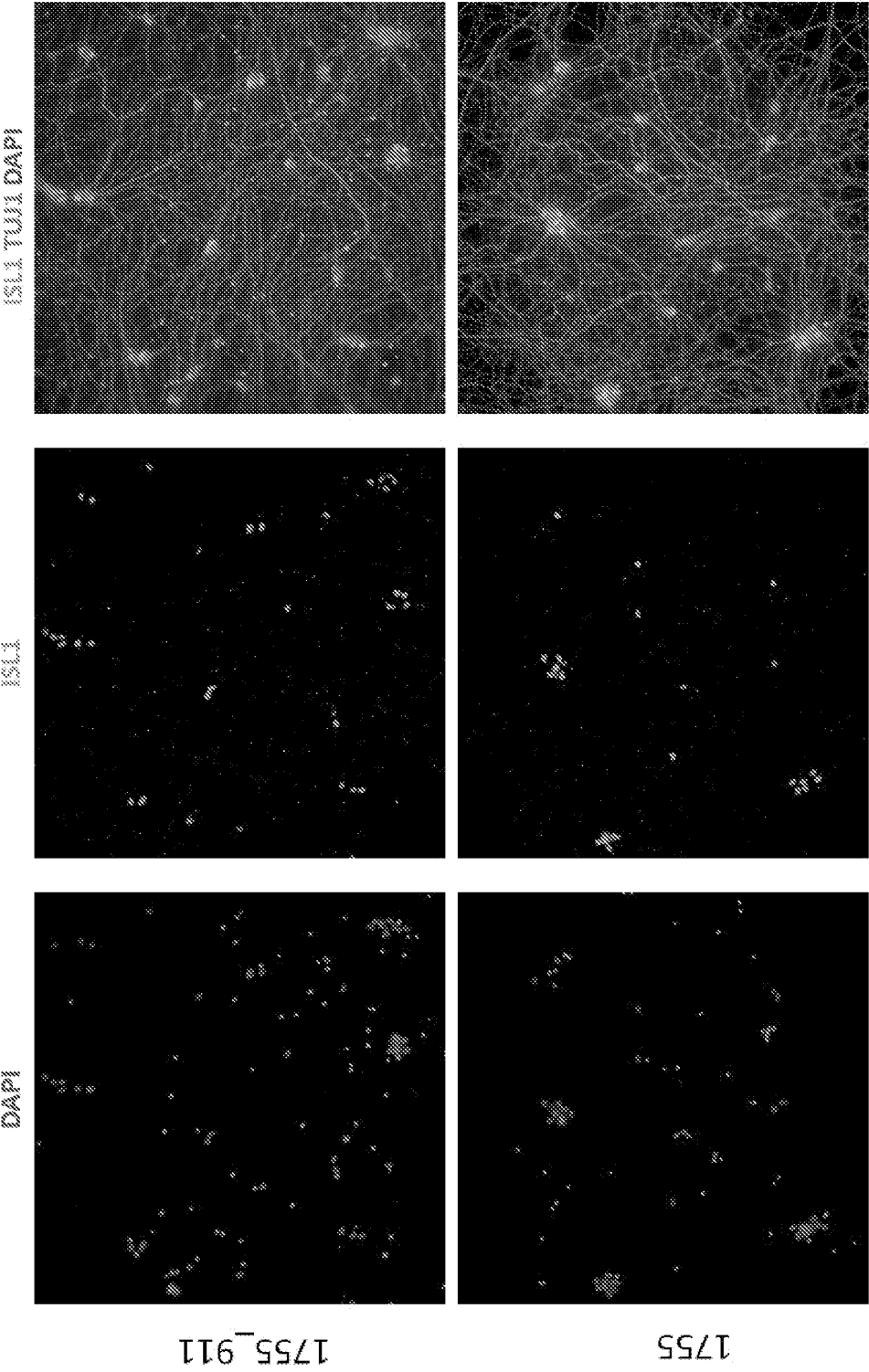


FIG. 41A

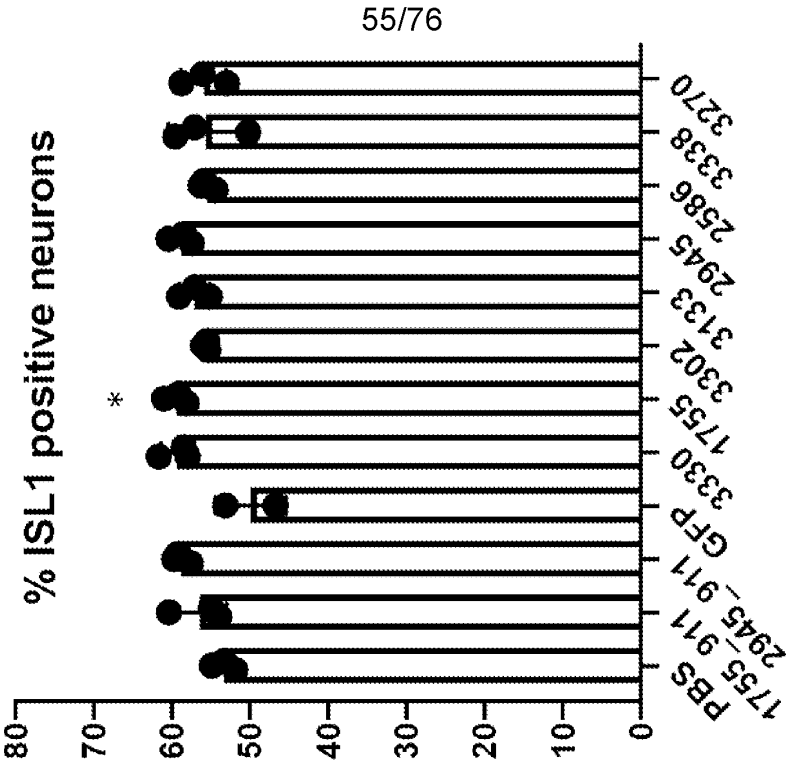


FIG. 41C

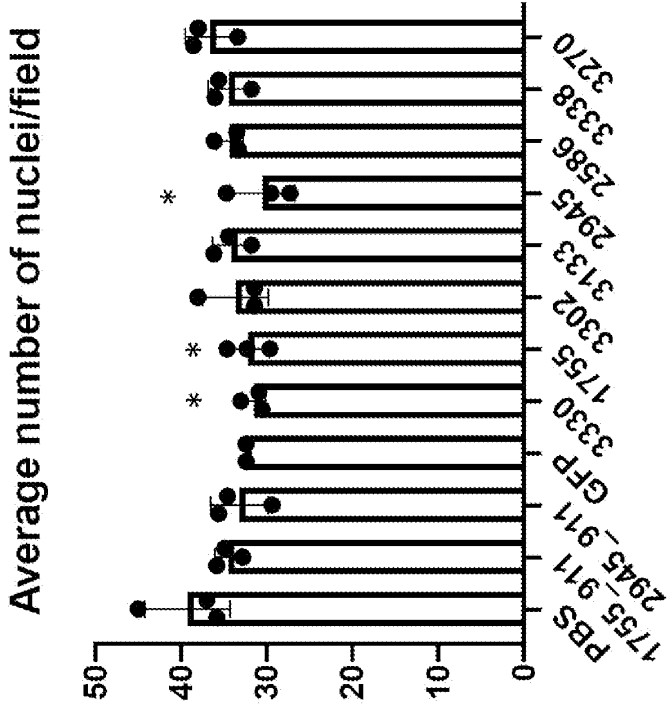


FIG. 41B

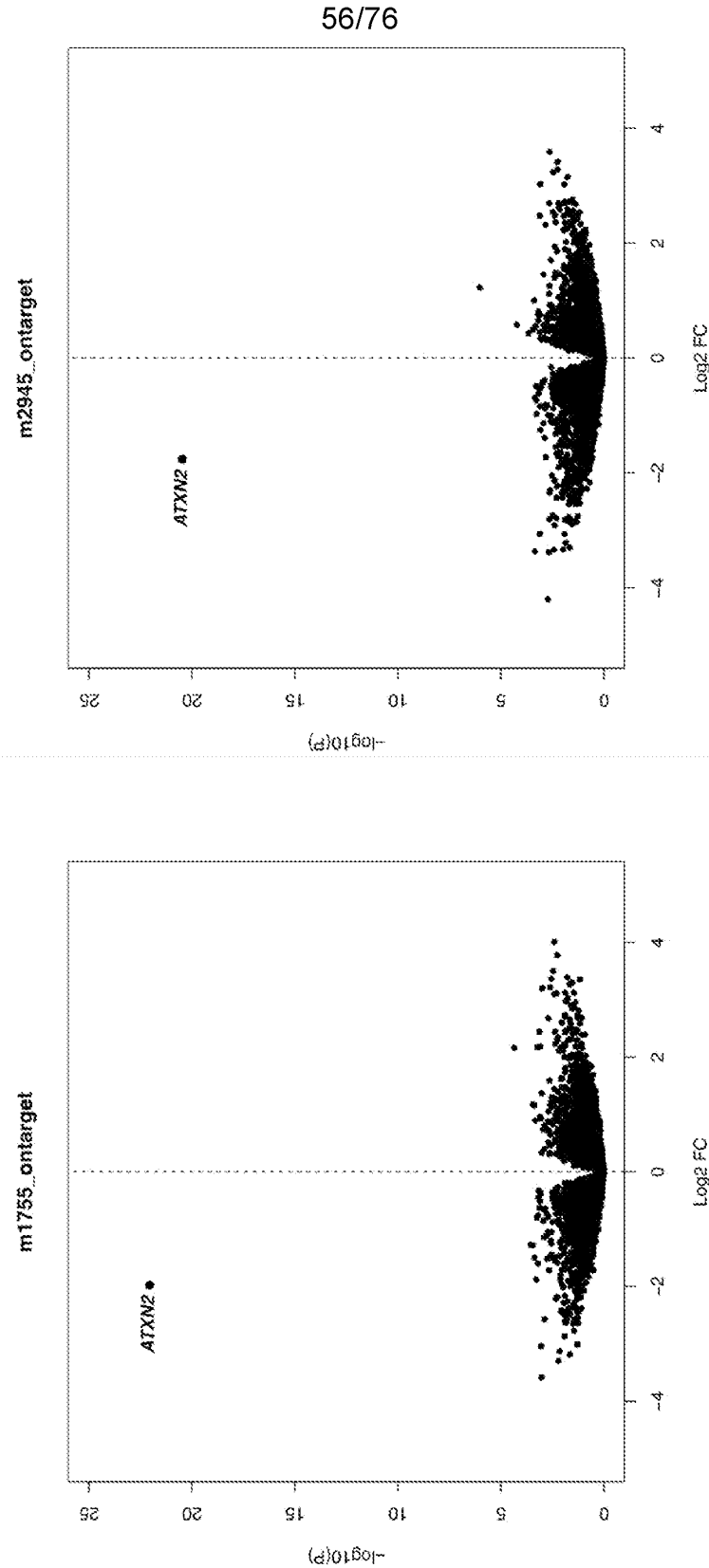


FIG. 42

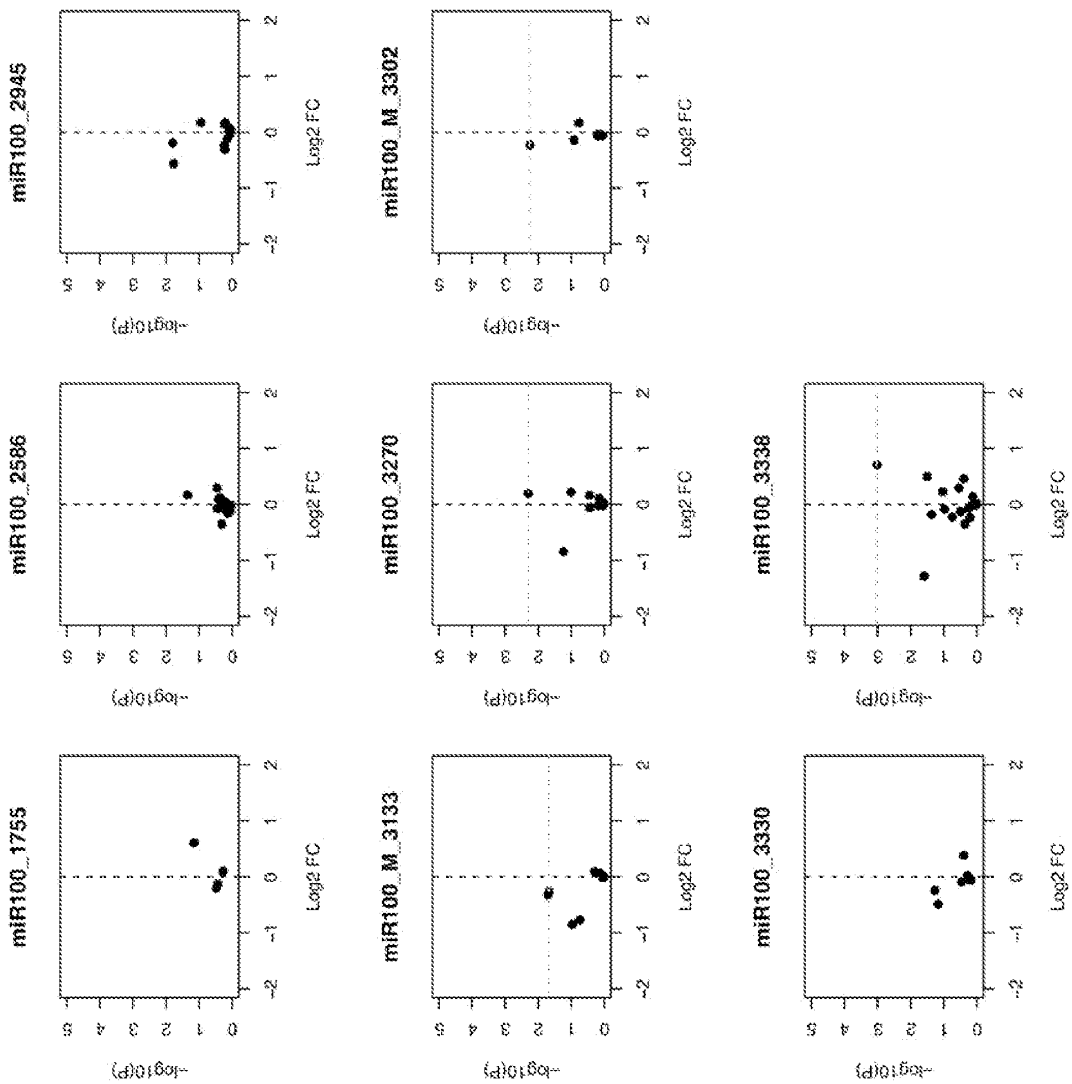


FIG. 43

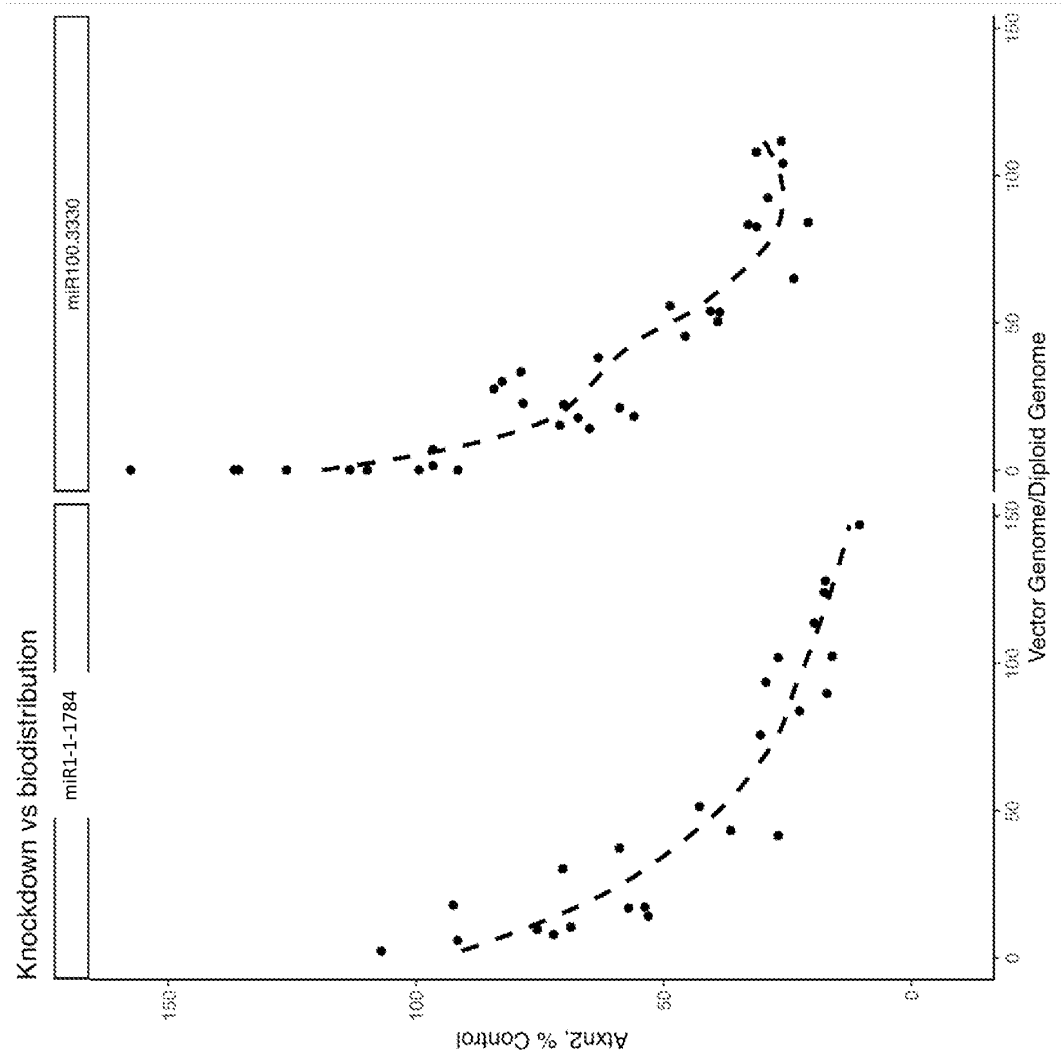


FIG. 44

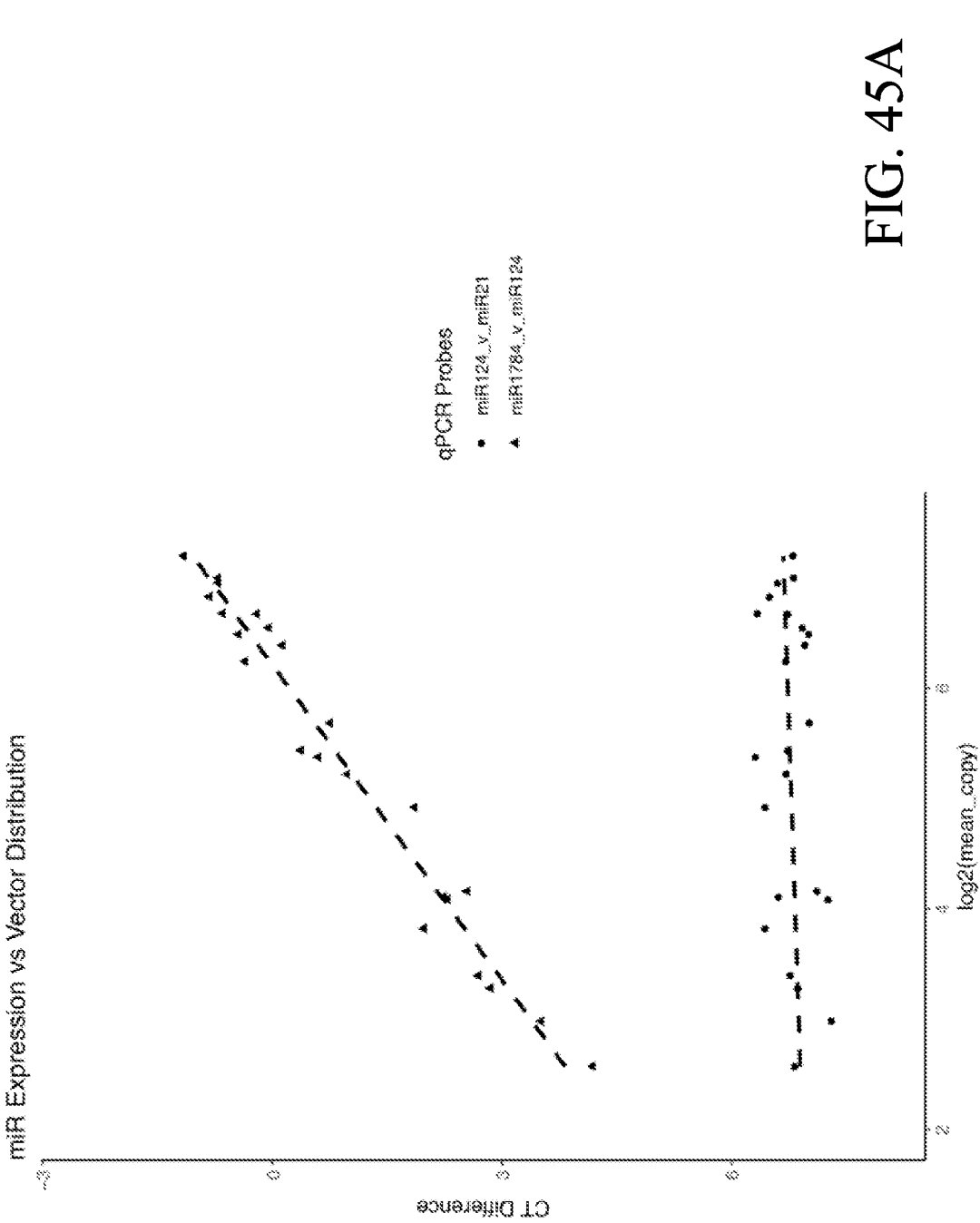


FIG. 45A

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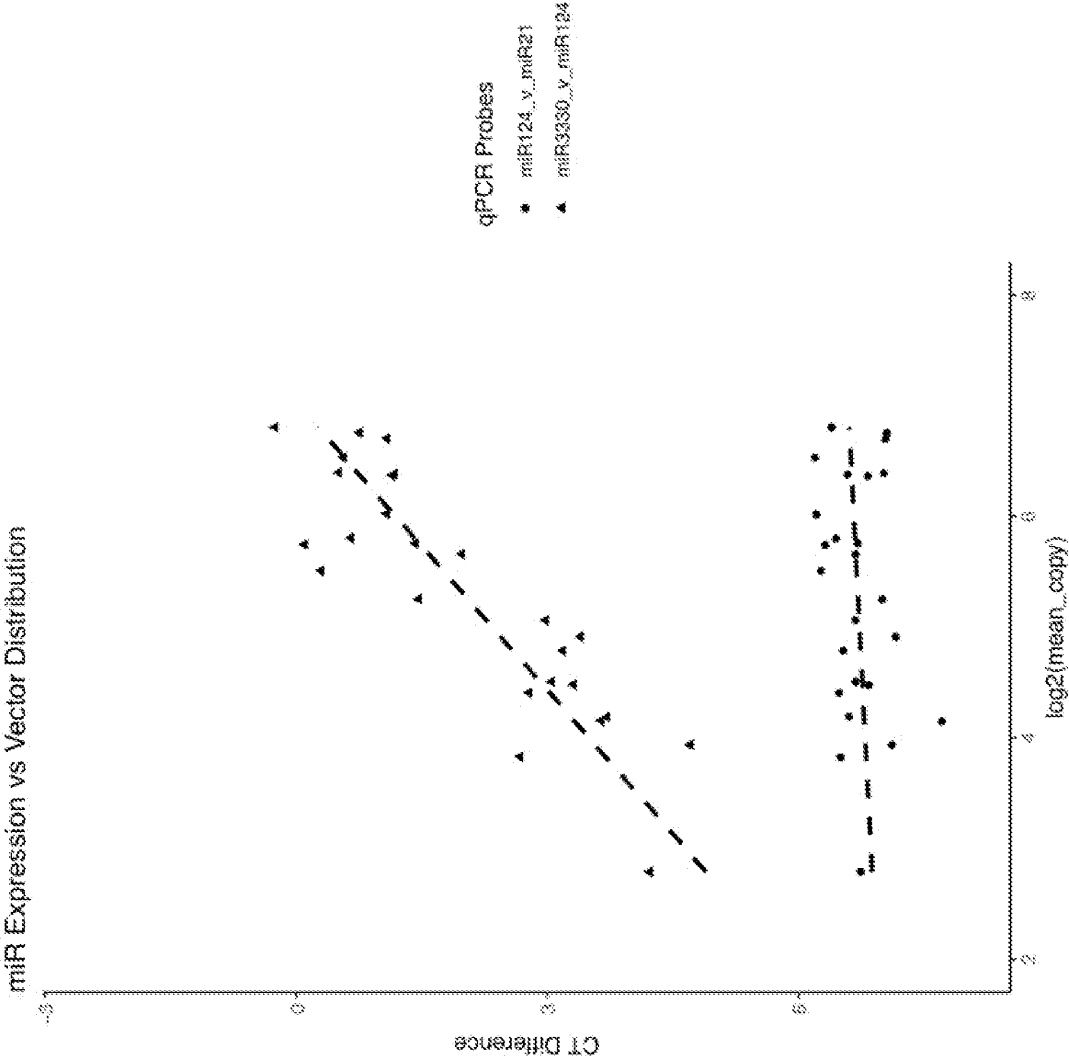


FIG. 45B

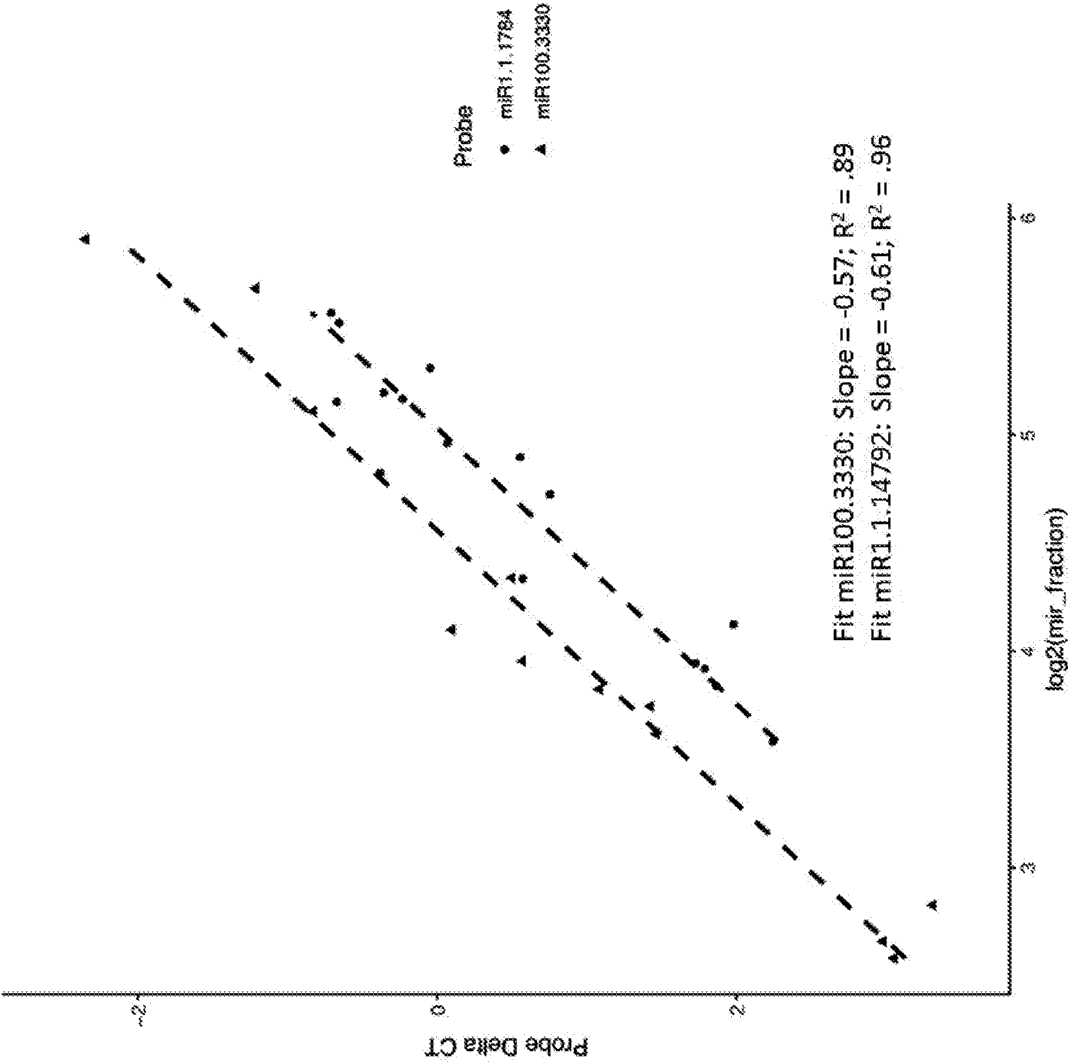
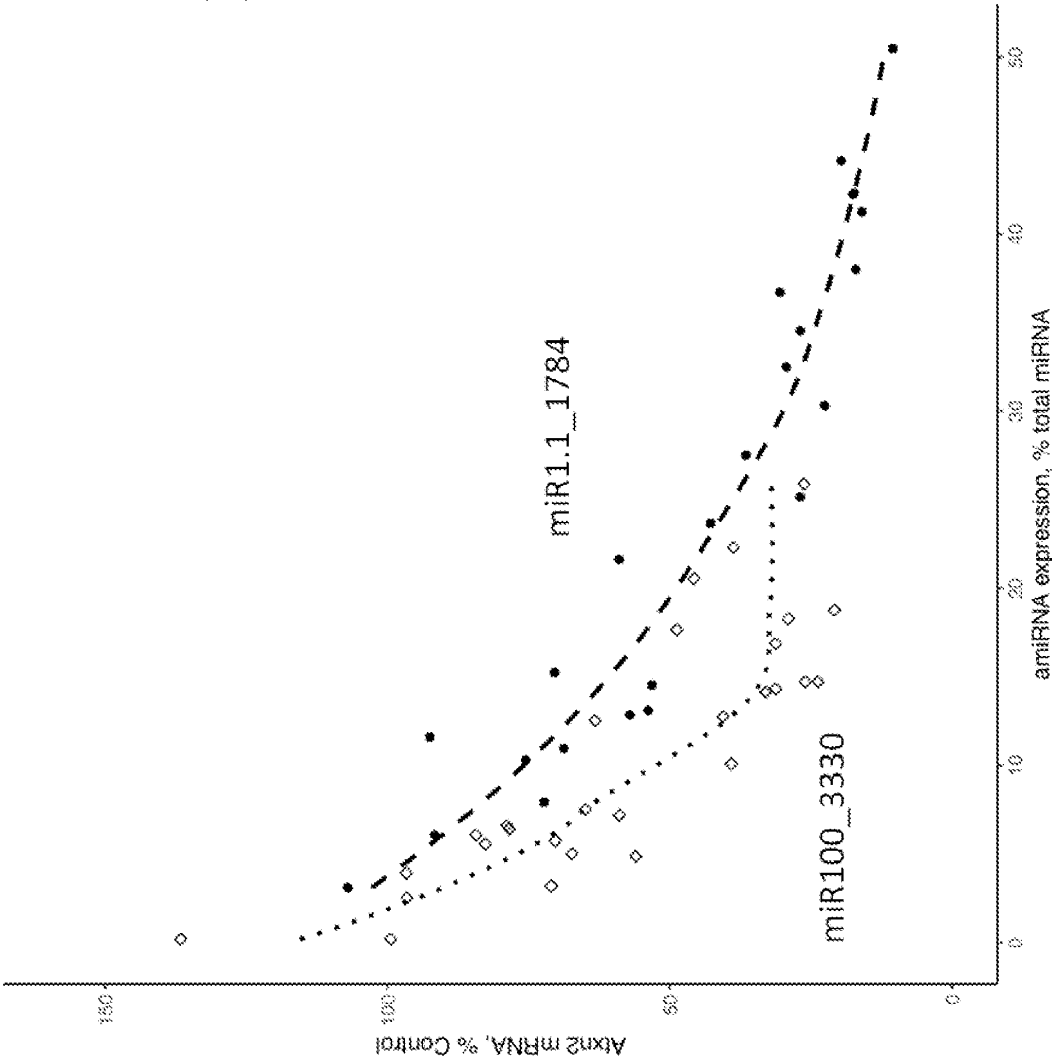


FIG. 46

FIG. 47



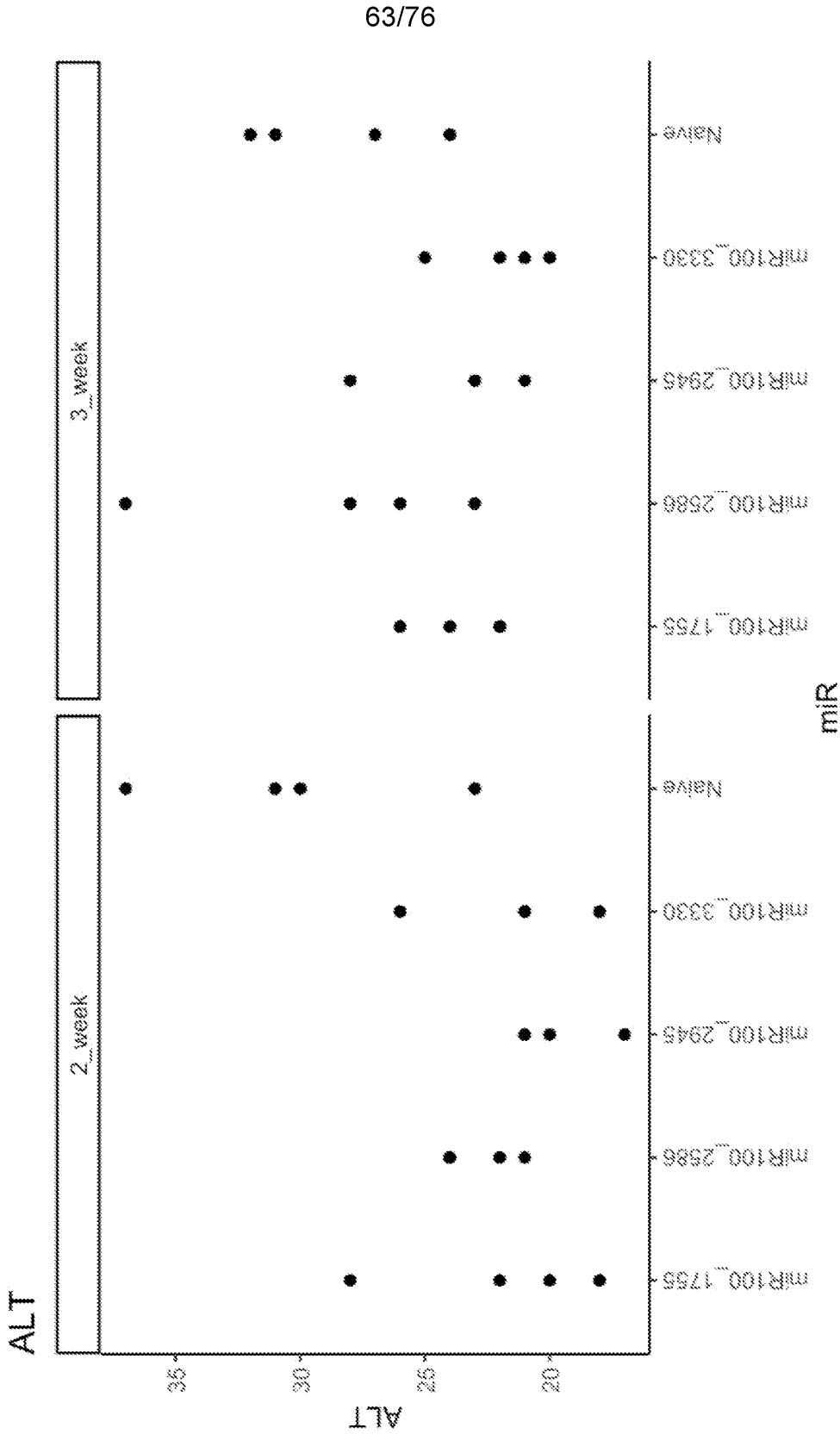


FIG. 48A

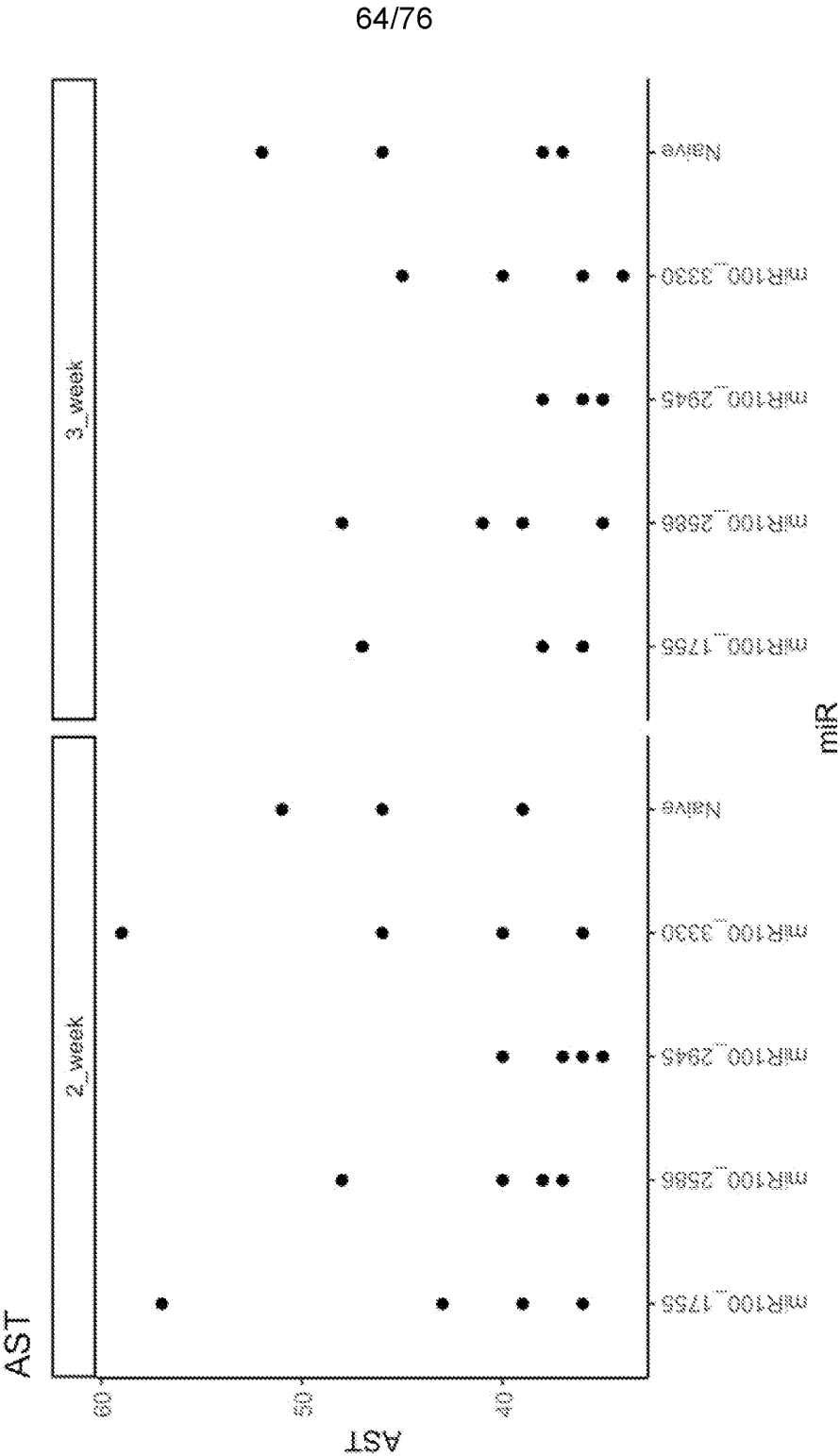


FIG. 48B

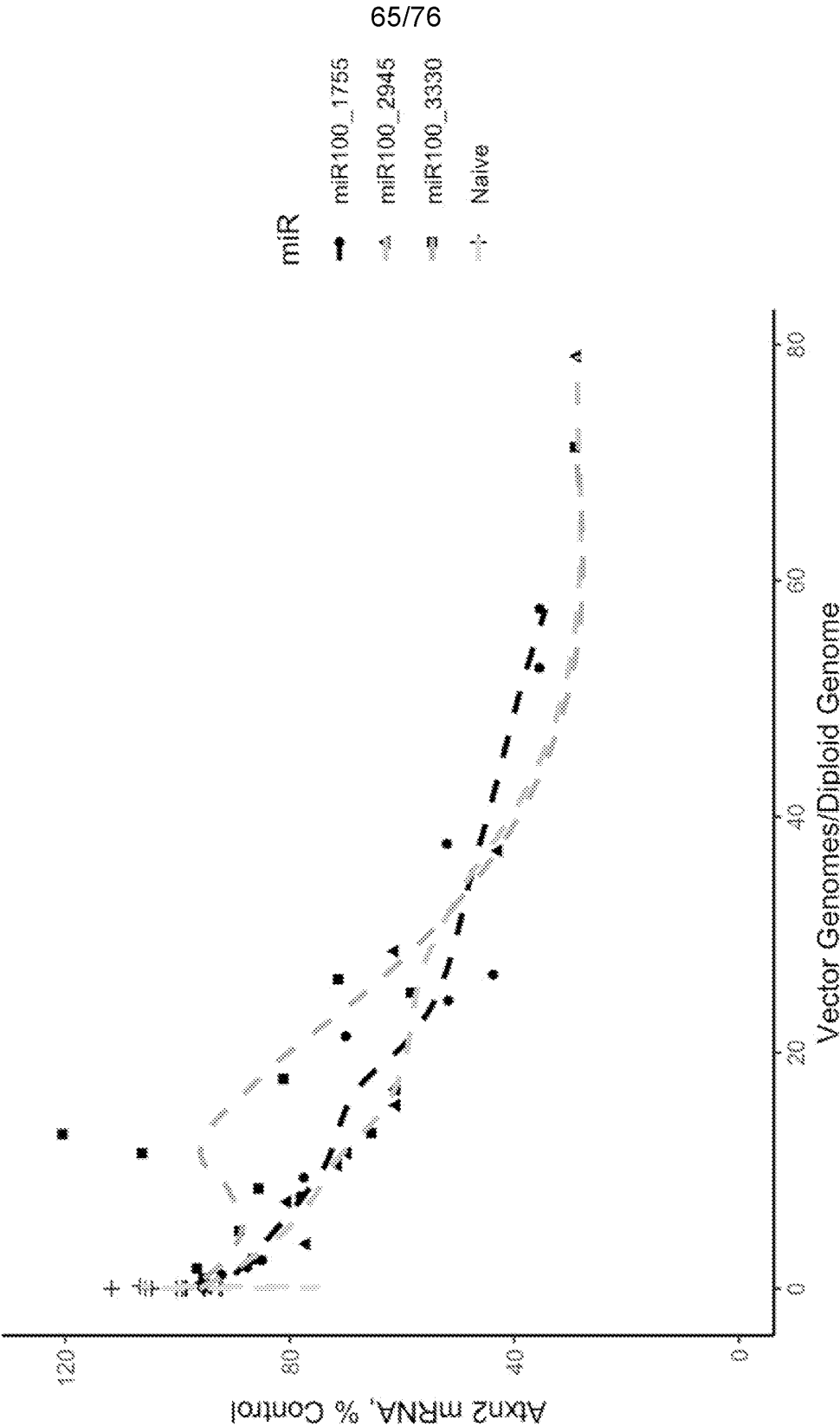


FIG. 49

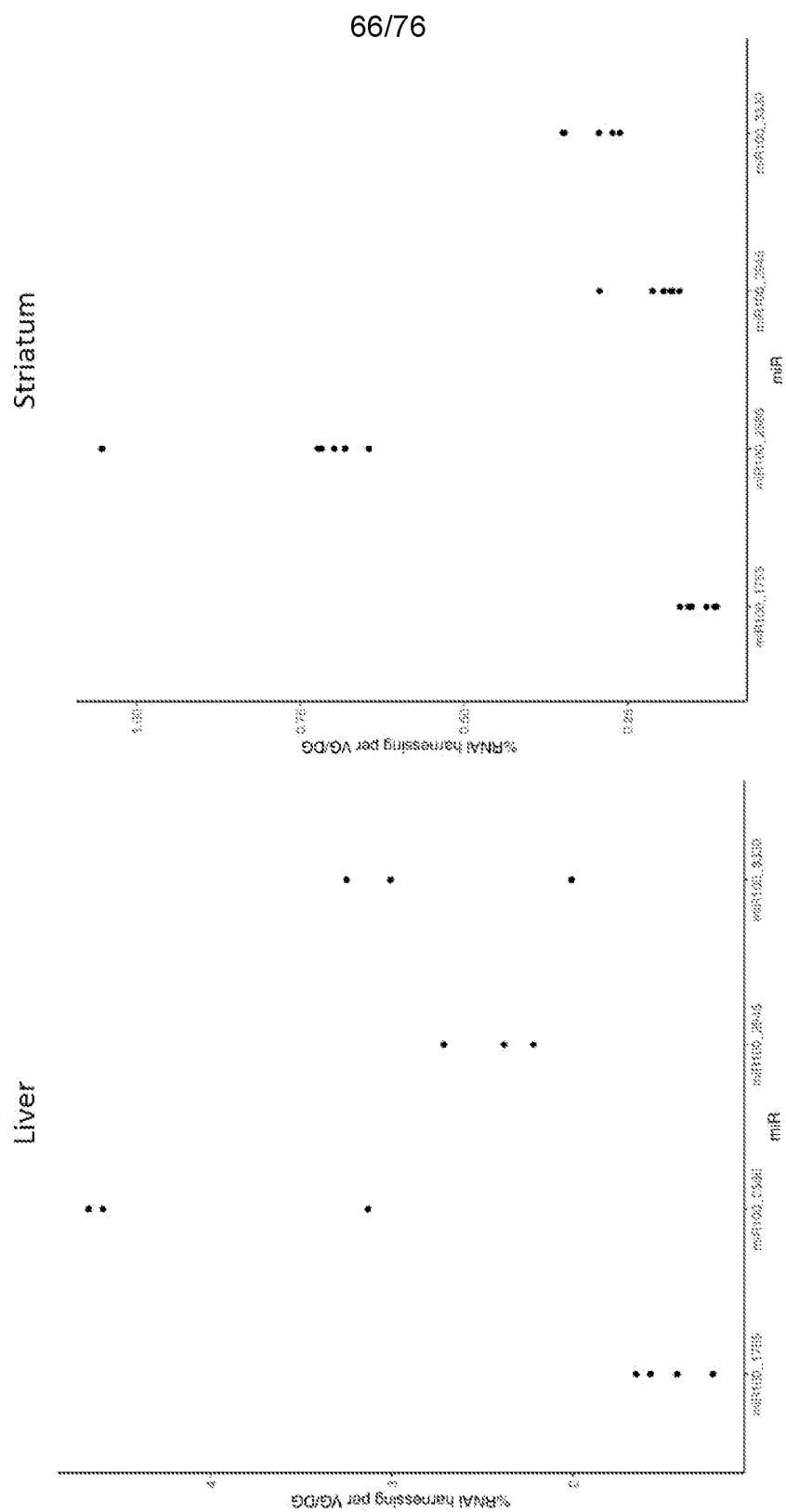


FIG. 50B

FIG. 50A

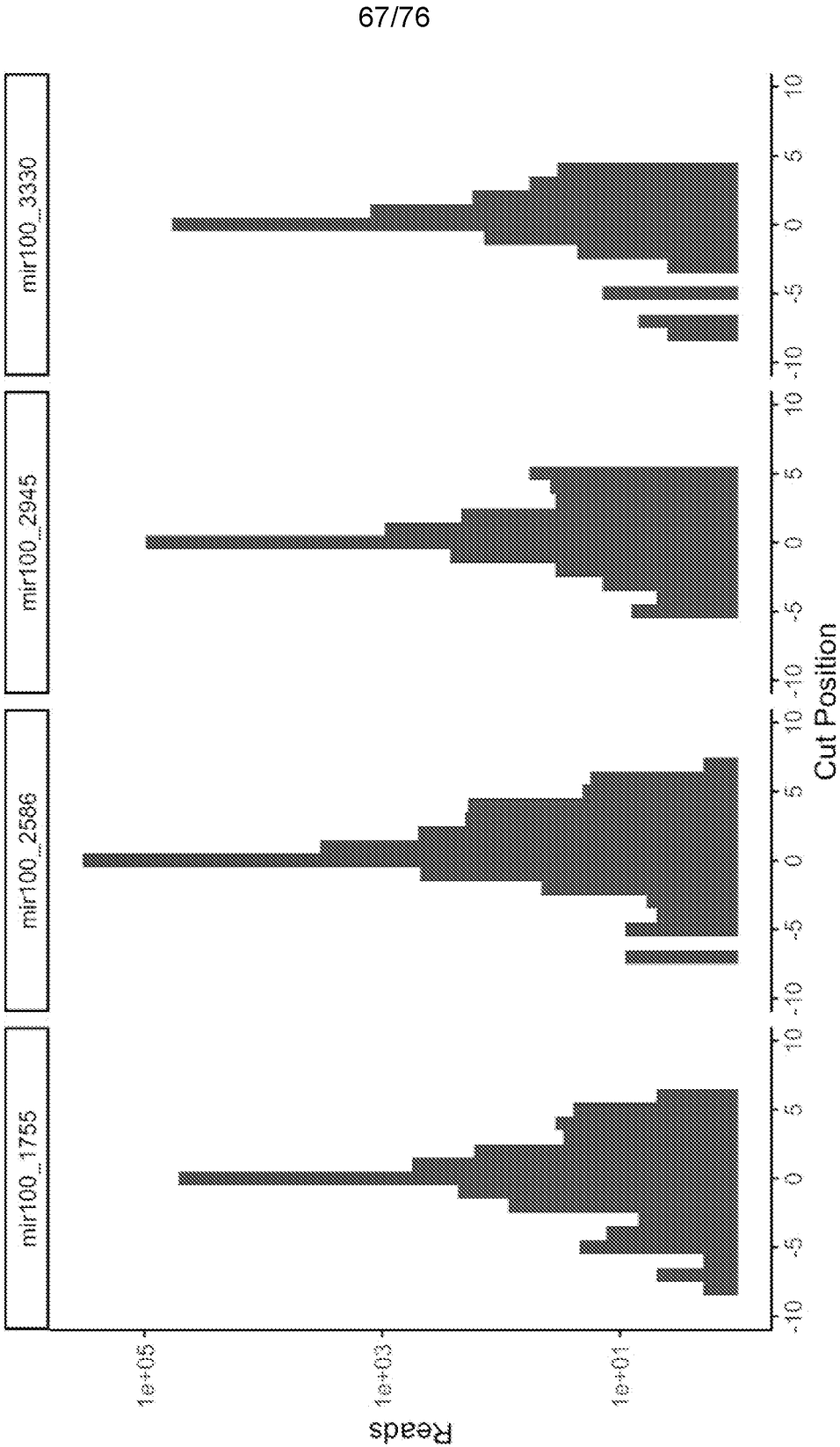
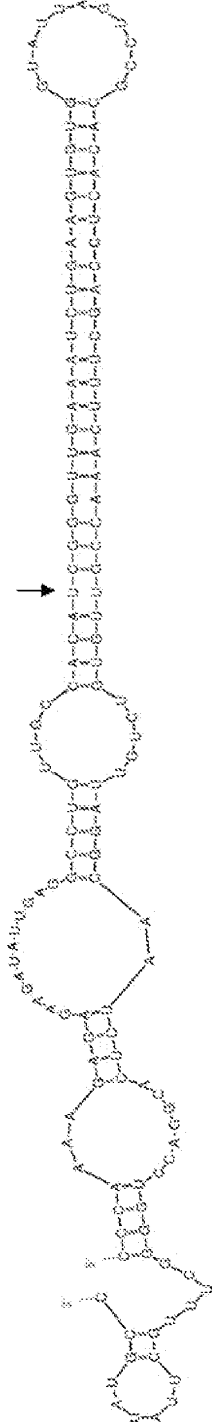


FIG. 51



miR100_1755 sequence reads

Sequence	Read Count
TCGGTTGAAATCTGAAGTGTG	29886
TCGGTTGAAATCTGAAGTGTGA	8556
TCGGTTGAAATCTGAAGTGTGT	6891
TCGGTTGAAATCTGAAGTGT	4121
CGGGTTGAAATCTGAAGTGTG	319
TCGGTTGAAATCTGAAGTGTGG	170
TCGGTTGAAATCTGAAGTGTG	155
GGTTGAAATCTGAAGTGTG	103
TCGGTTGAAATCTGAAGTGTGAA	98
CGGGTTGAAATCTGAAGTGTGT	79
CGGGTTGAAATCTGAAGTGTGA	77
ATCGGGTTGAAATCTGAAGTGTG	73
CGGGTTGAAATCTGAAGTGT	66
TCGGTTGAAATCTGAAGTGTGA	43
TCGGTTGAAATCTGAAGTGTGAT	41
TCGGGTGAAATCTGAAGTGTG	40
TCGGTTGAAATCTGAAGTGTG	35
TCGGTTGAAATCTGAAGTGTGC	35
TCGGTTGAAATCTGAAGTGTGTT	32
TCGGTTGAAACCTGAAGTGTG	29

FIG. 52A

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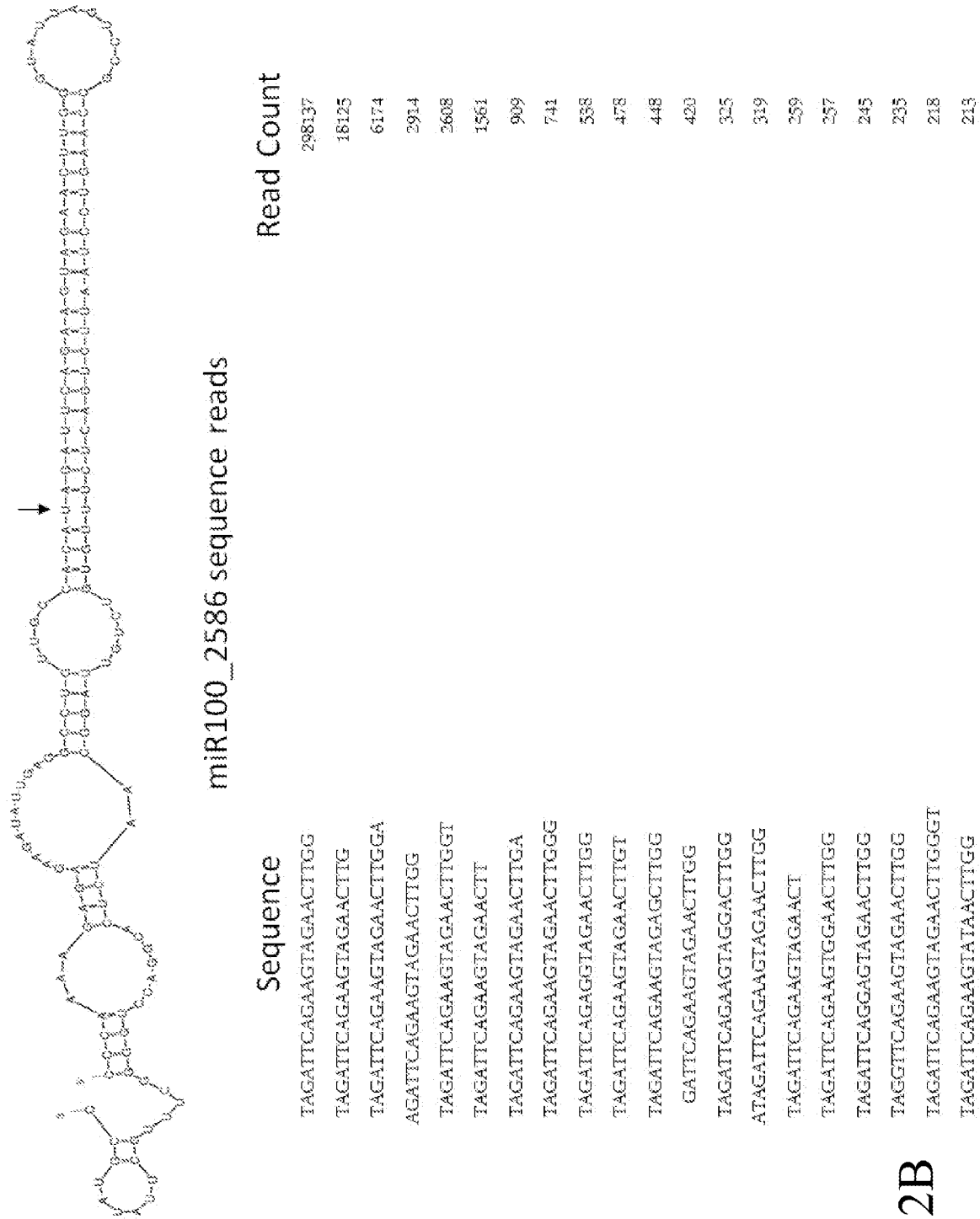
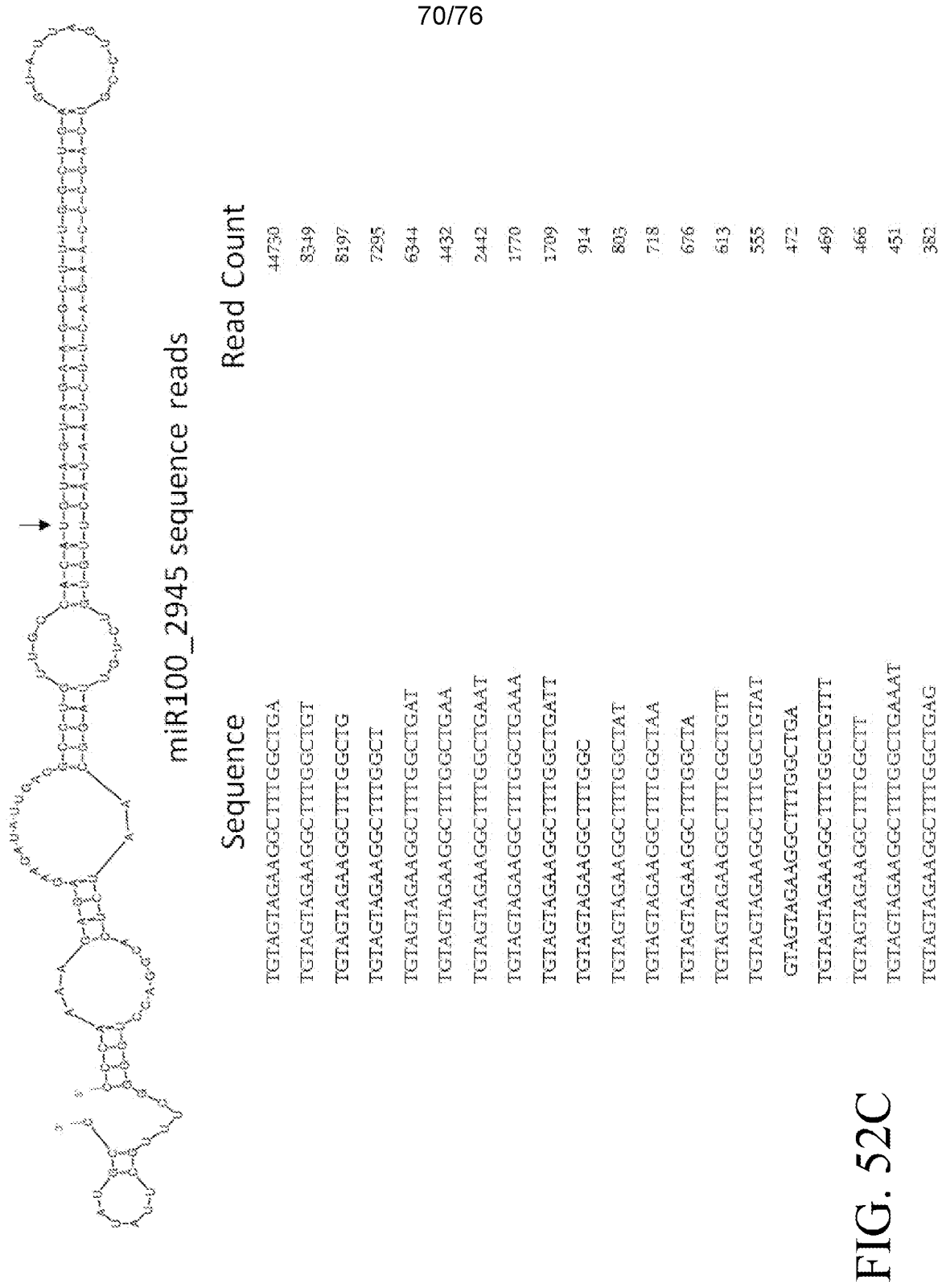


FIG. 52B



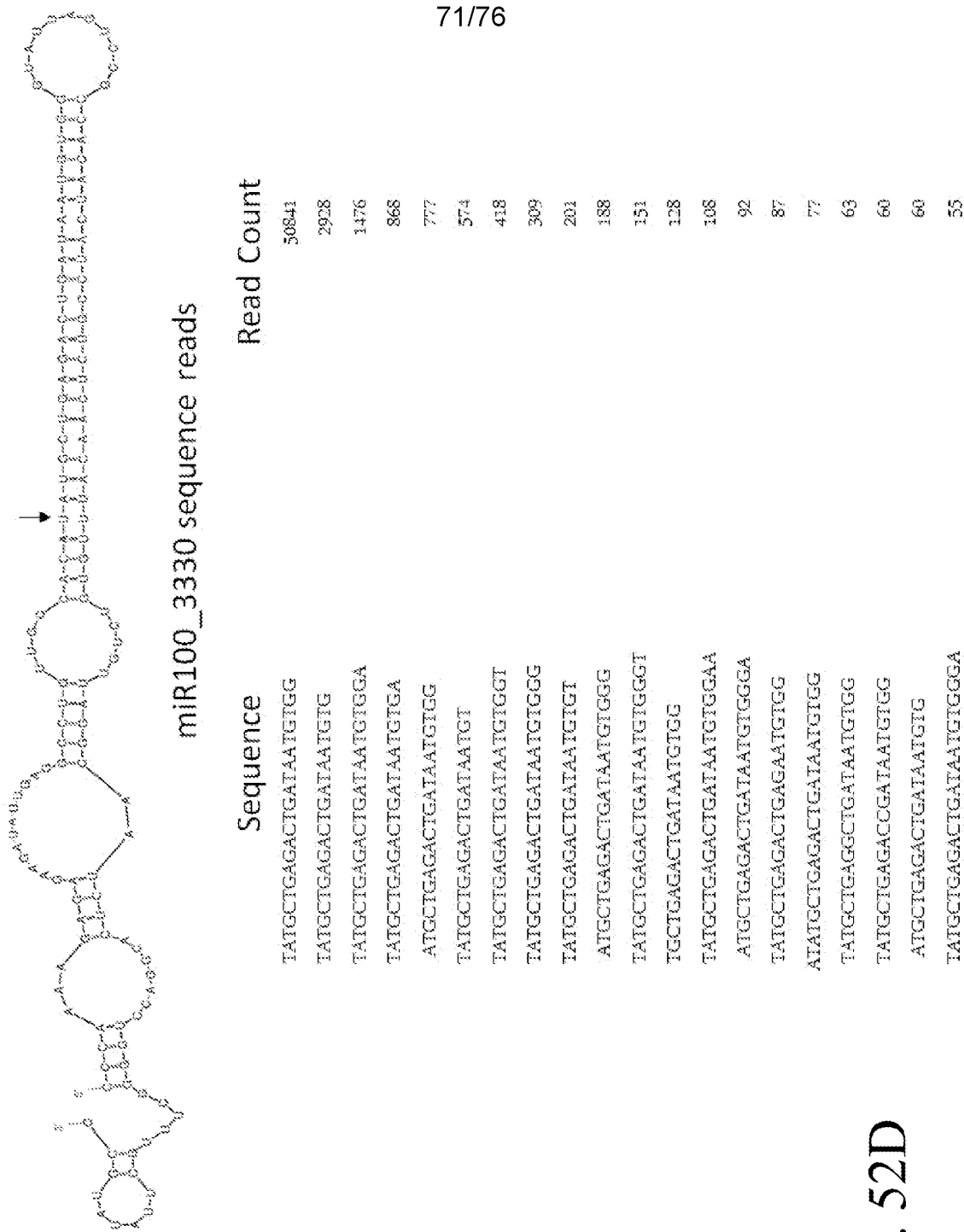


FIG. 52D

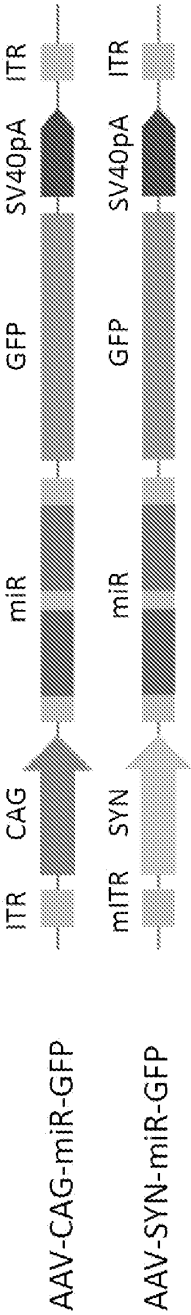
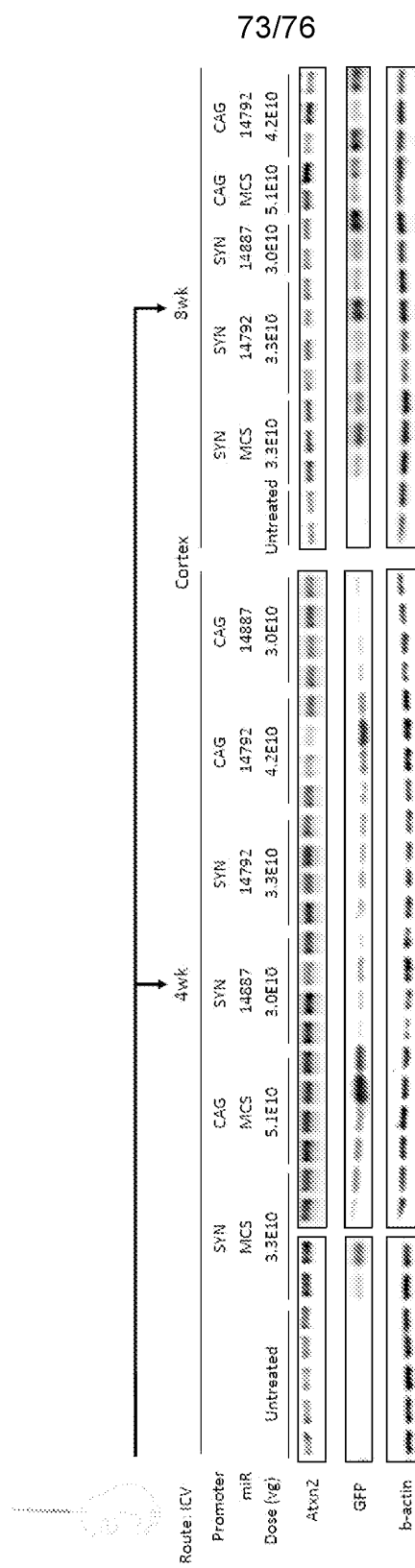


FIG. 53A



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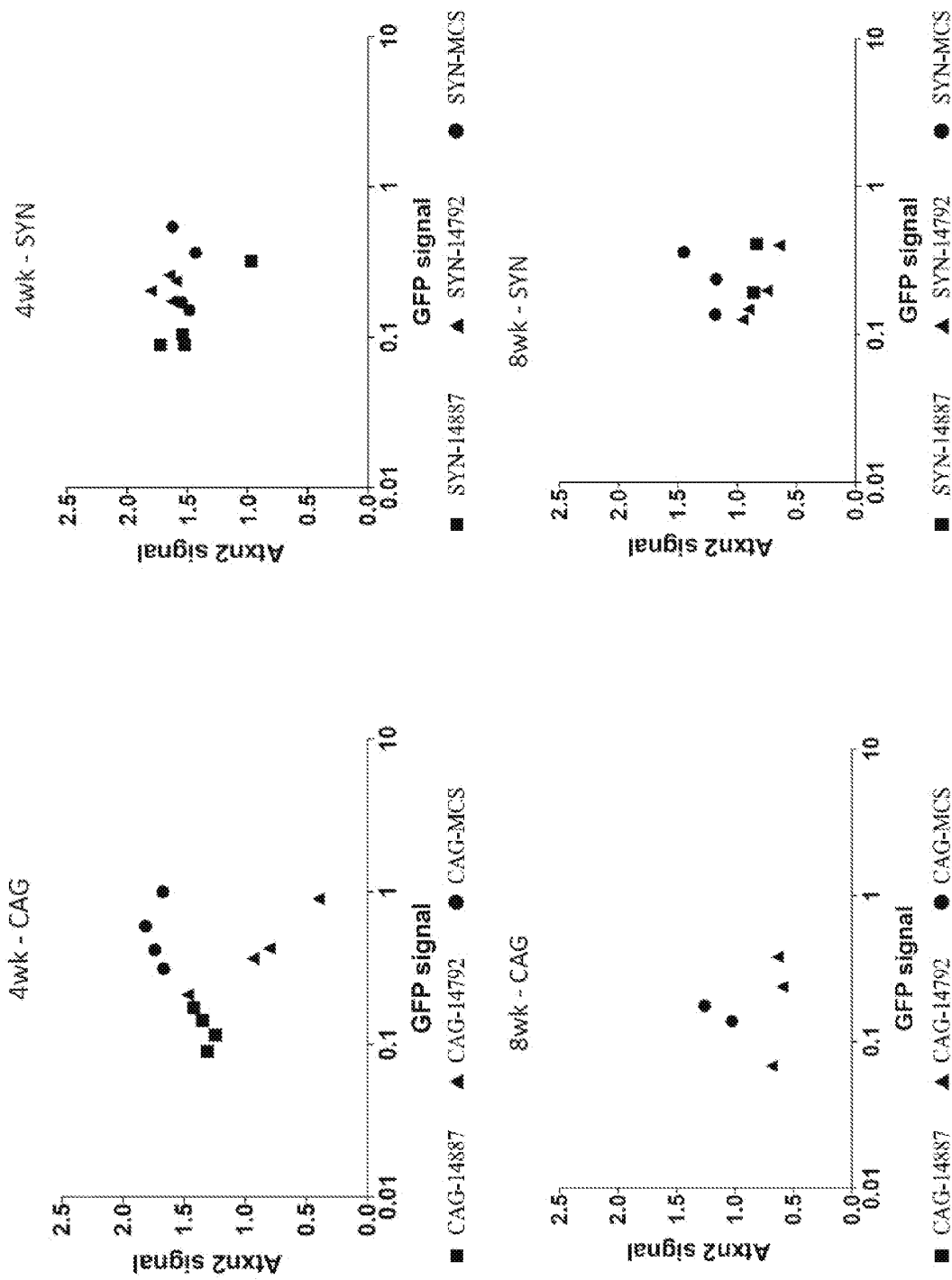
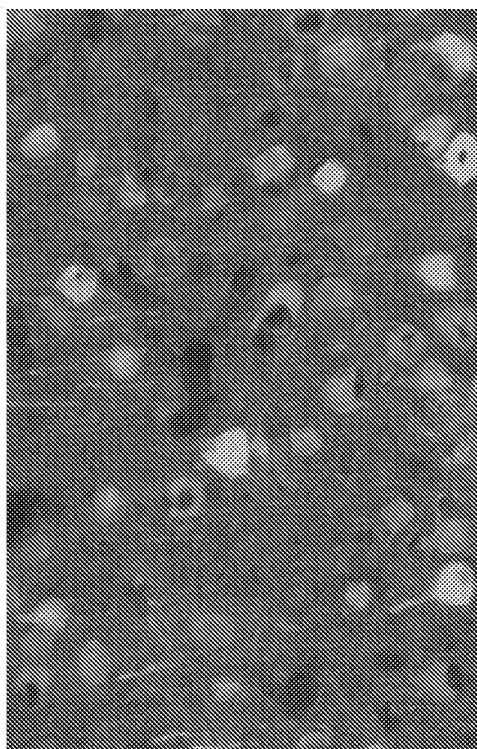
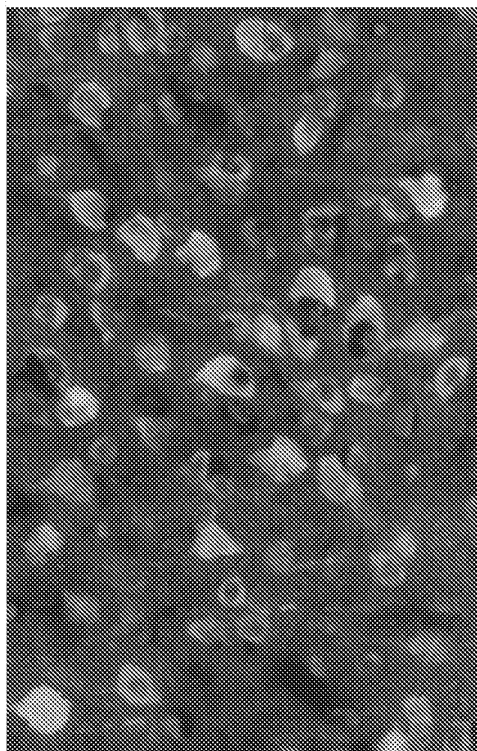


FIG. 53C

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Vector: AAV-CAG.14792.GFP.SV40
Dose: 4.2×10^8
Route: ICV
Timepoint: 4 weeks



Vector: AAV9-CAG.MCS.GFP.SV40
Dose: 5.1×10^8
Route: ICV
Timepoint: 4 weeks

FIG. 54A

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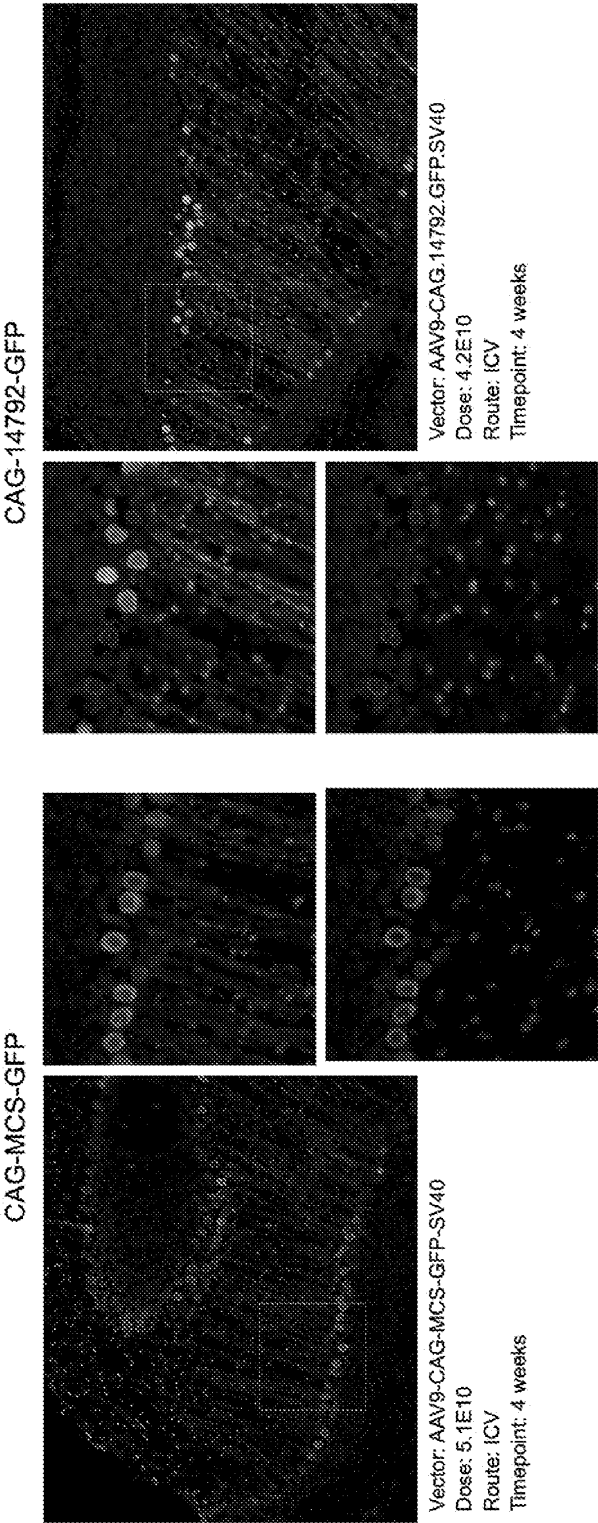


FIG. 54B