

FIG. 1 A

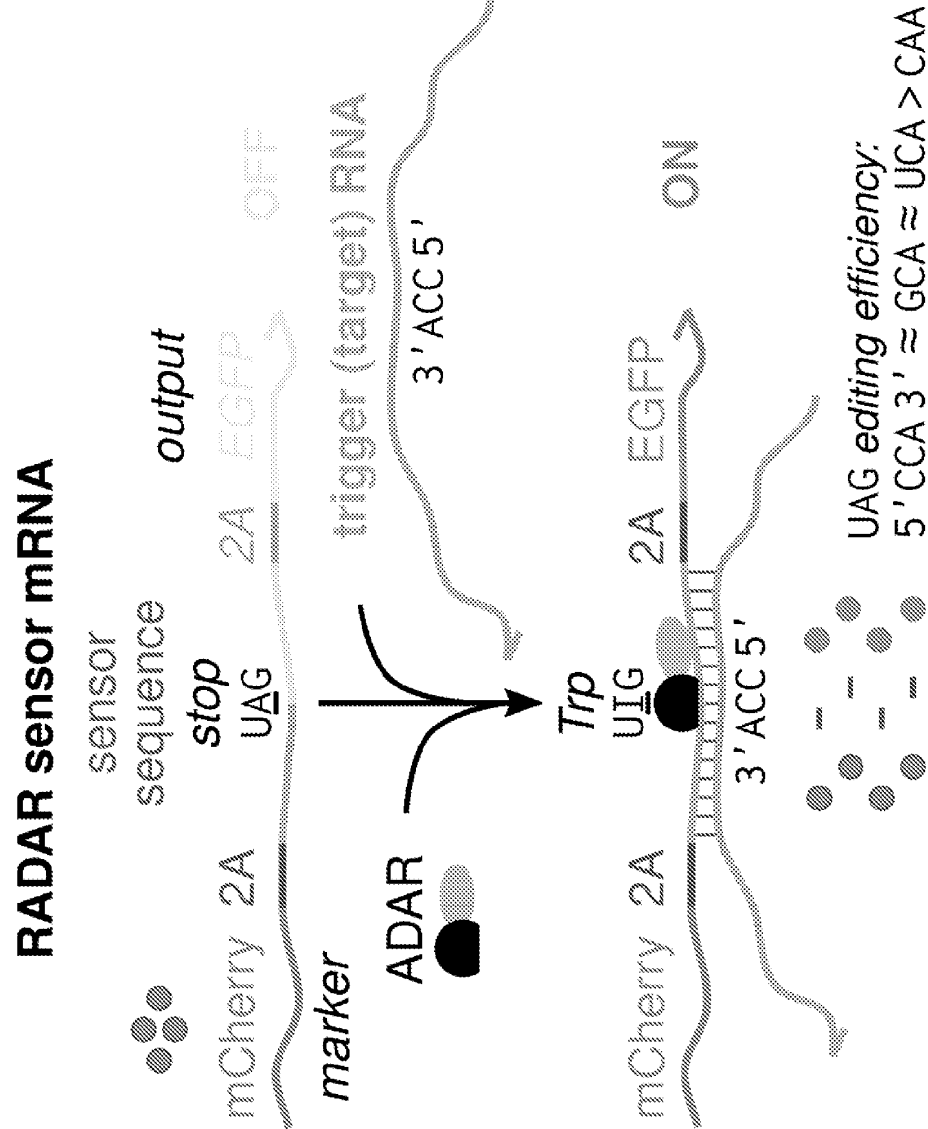


FIG. 1 B-D

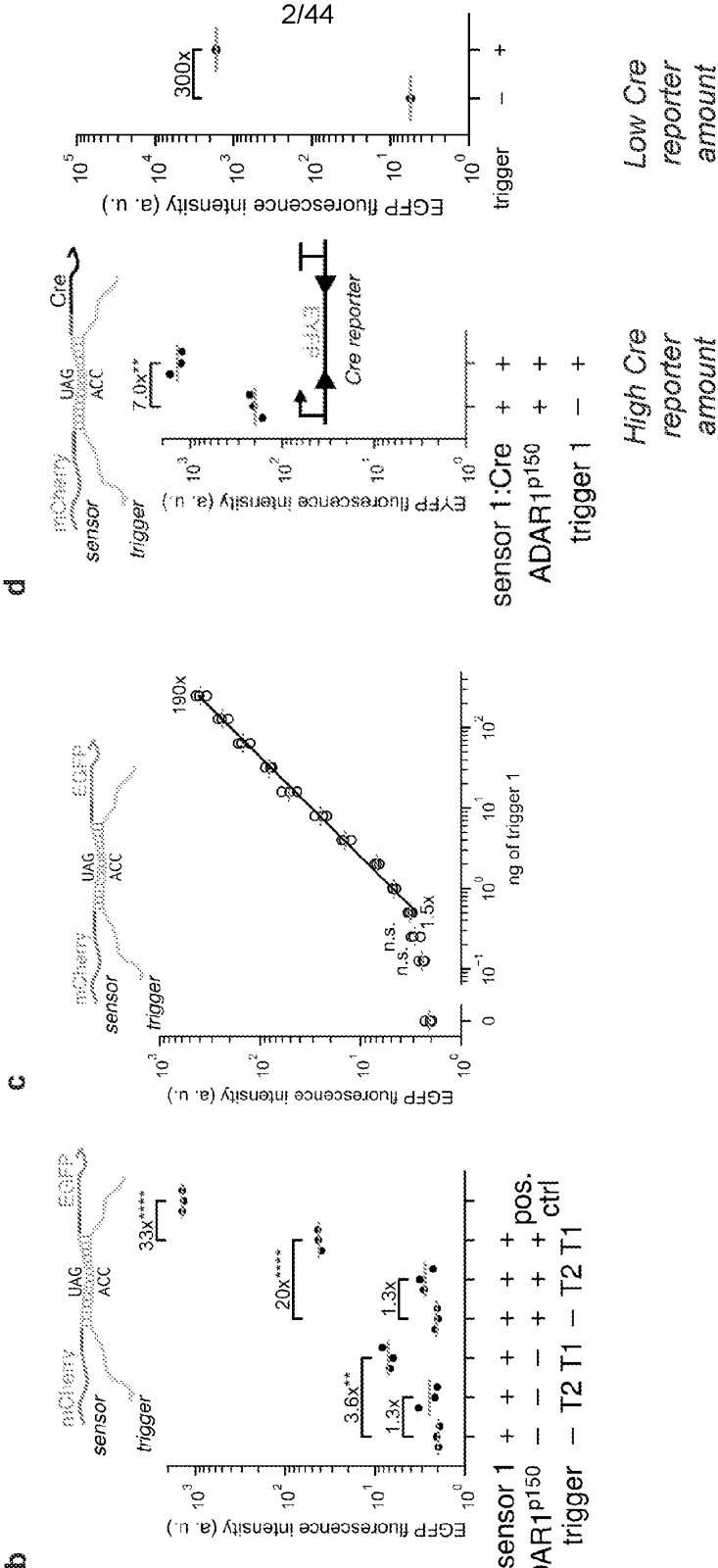


FIG. 1 E-F

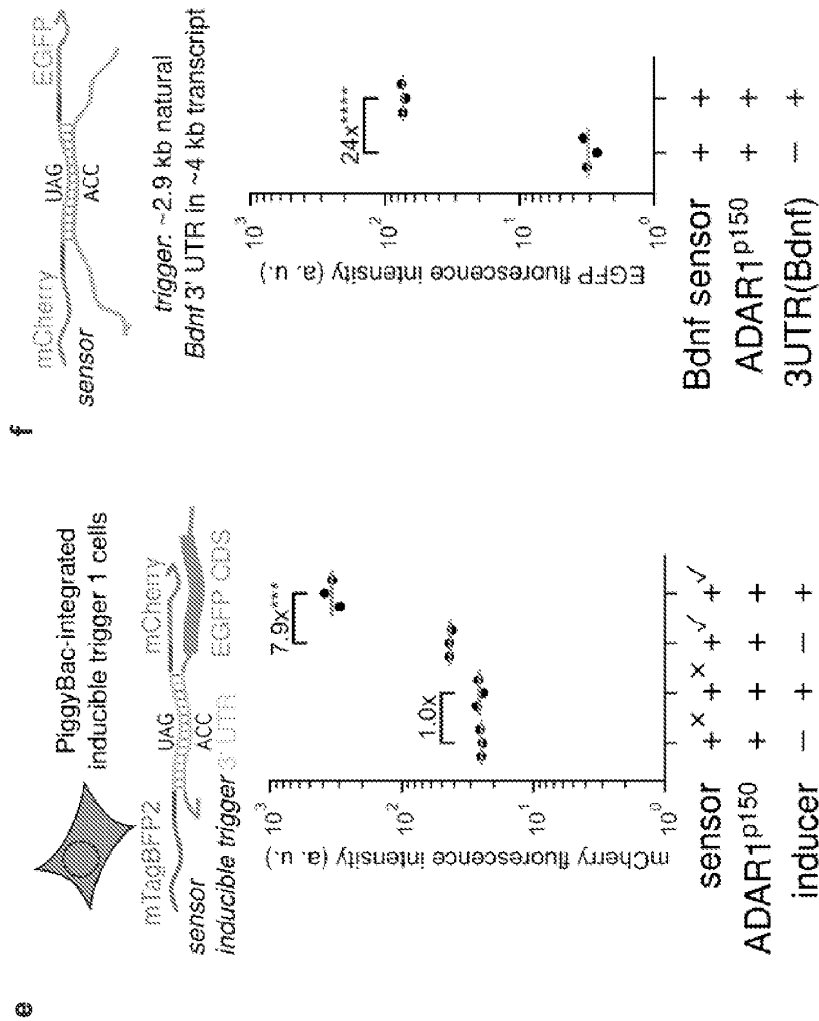


FIG. 1H

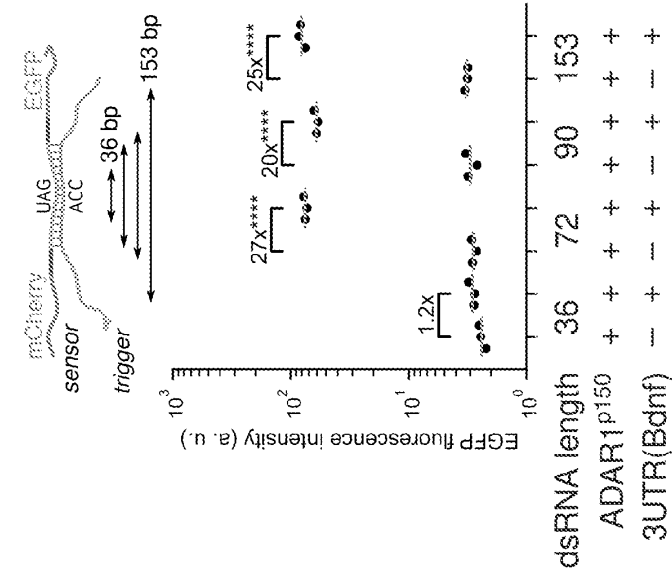


FIG. 1 I-J

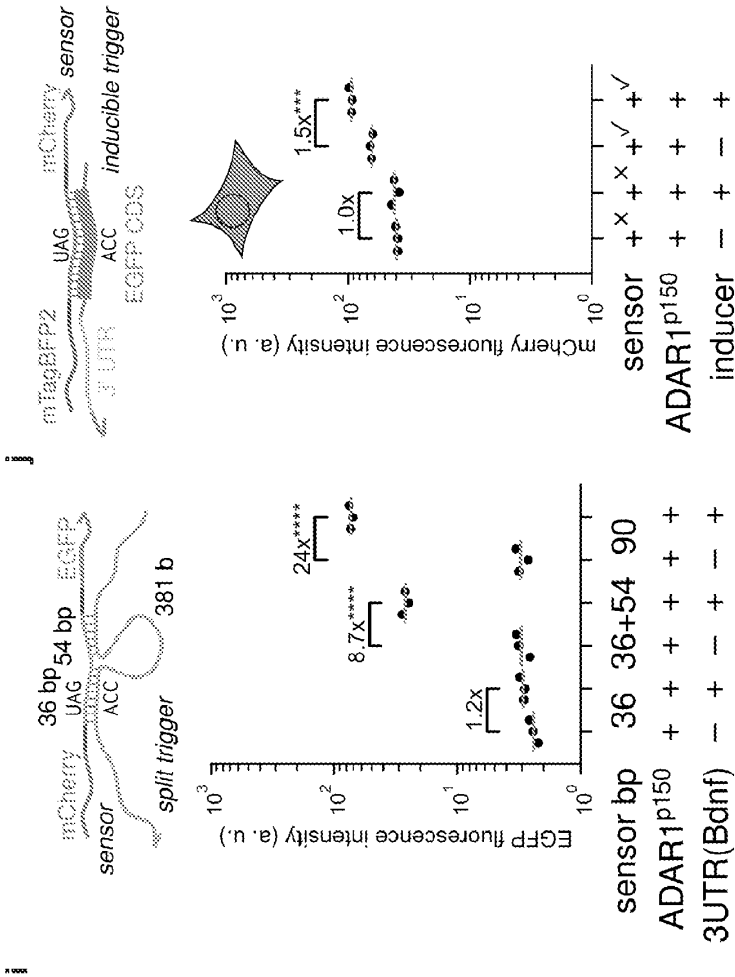


FIG. 1 K

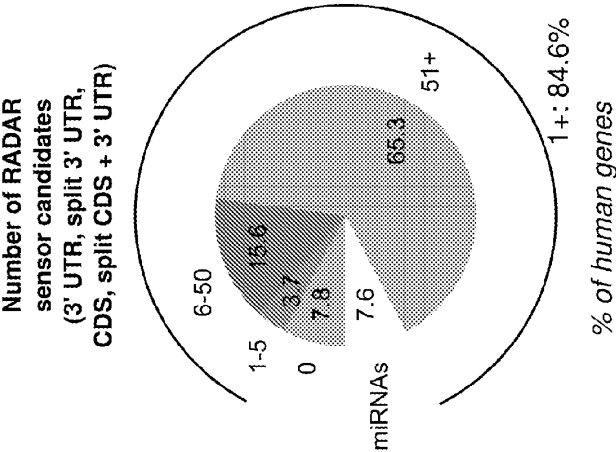


FIG. 1 L

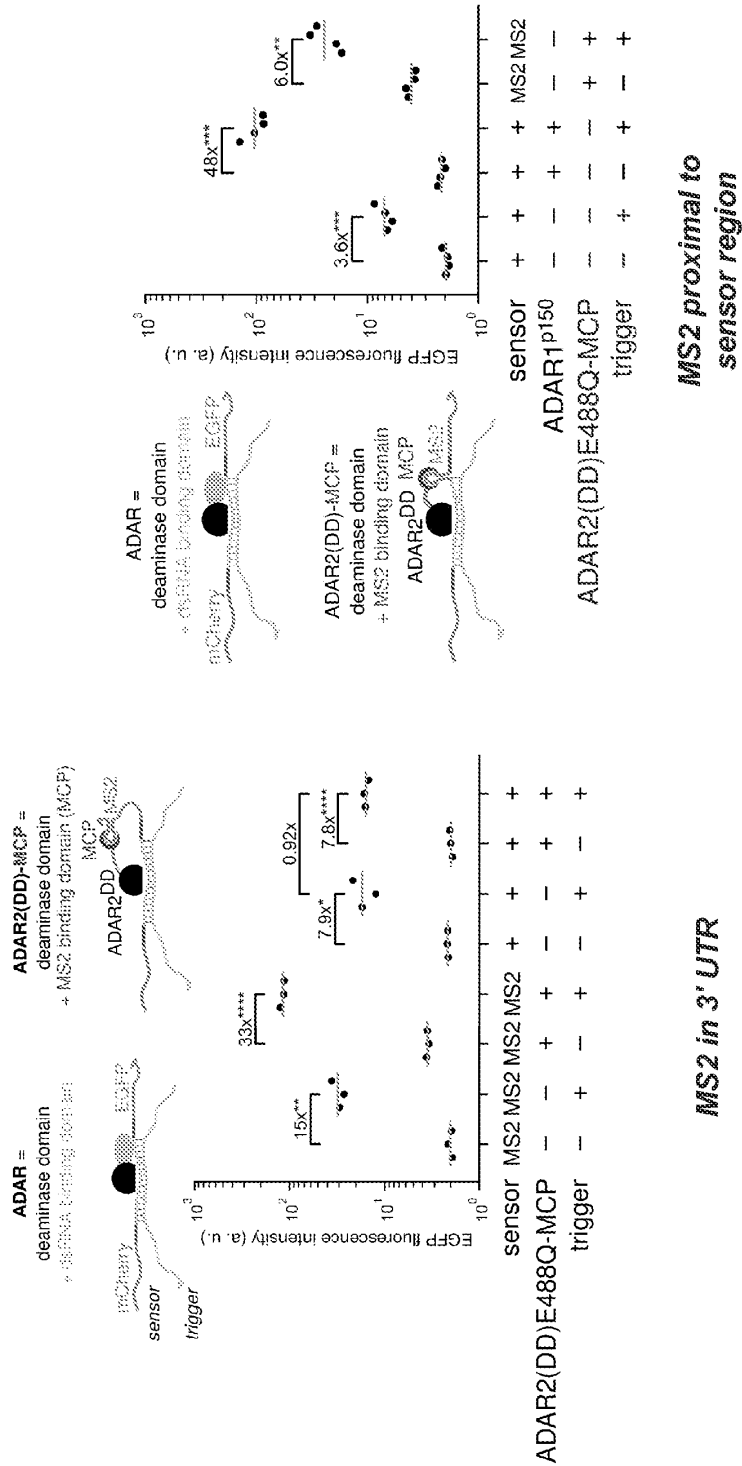


FIG. 2 A-C

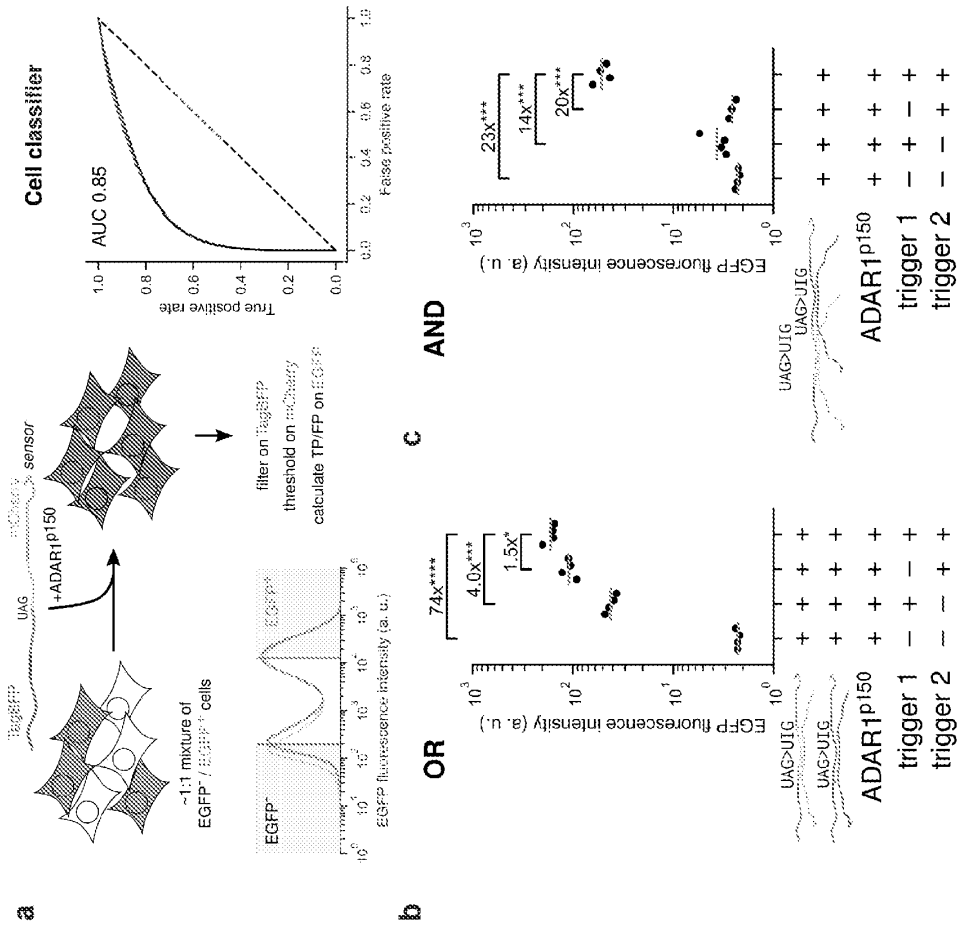


FIG. 2 D

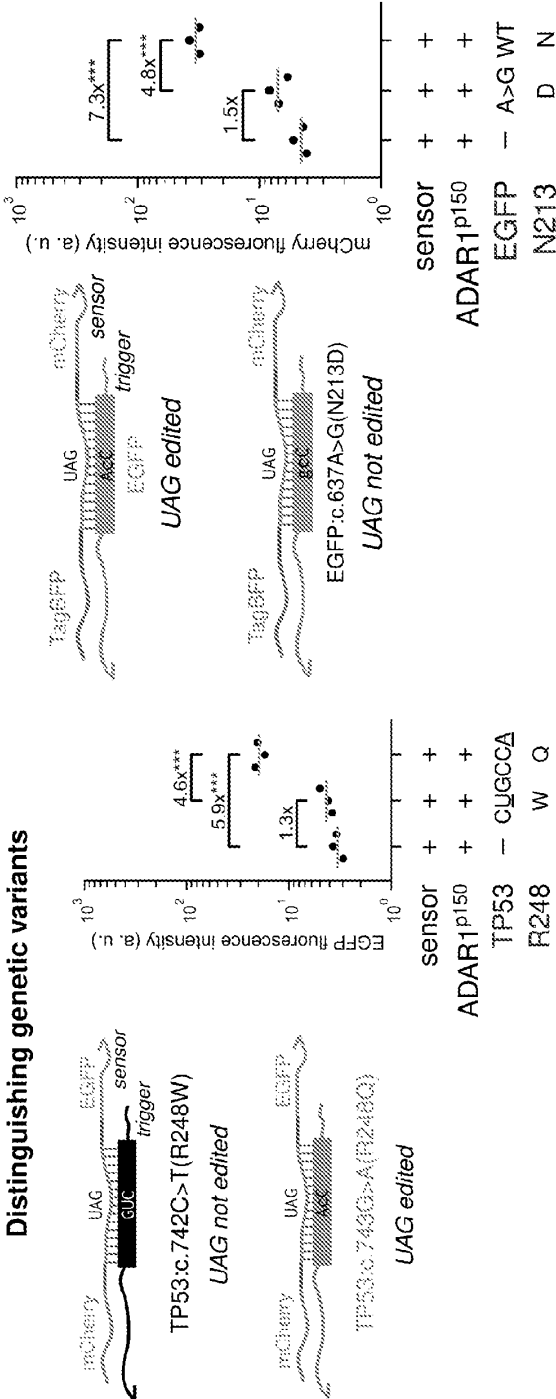


FIG. 2 E

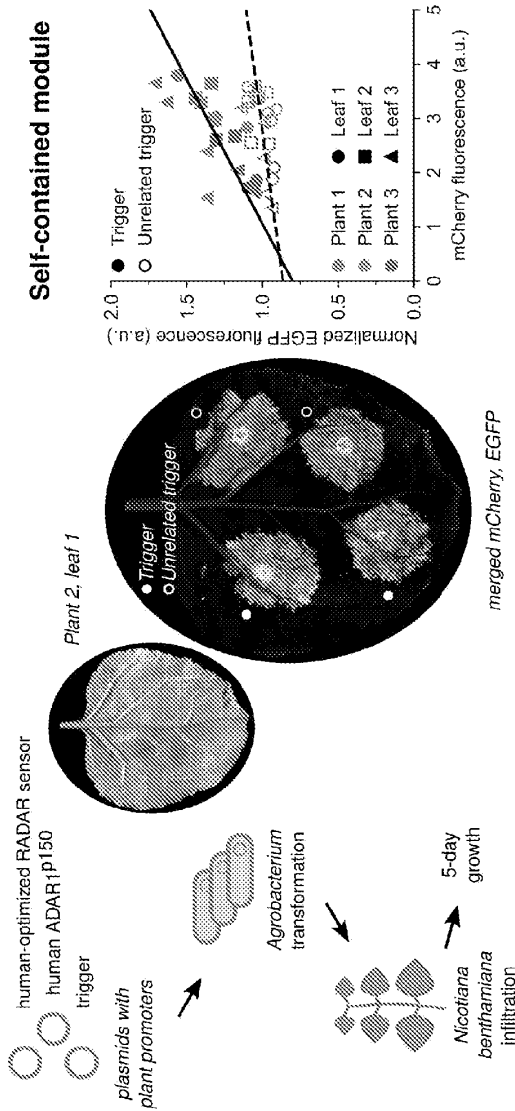
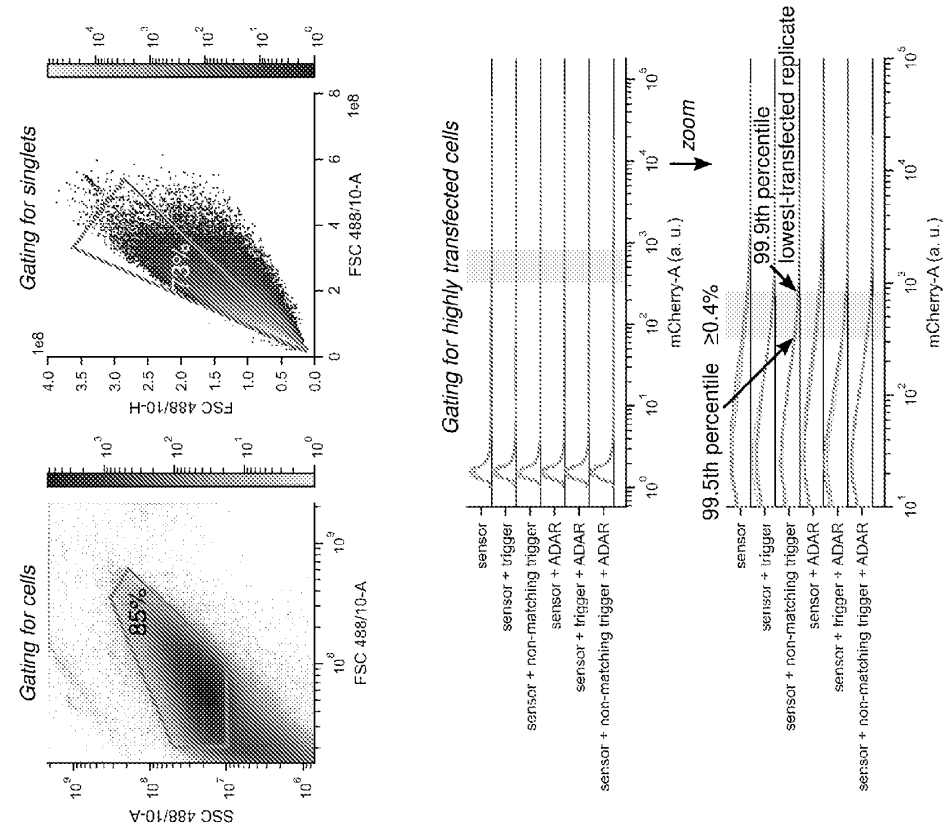
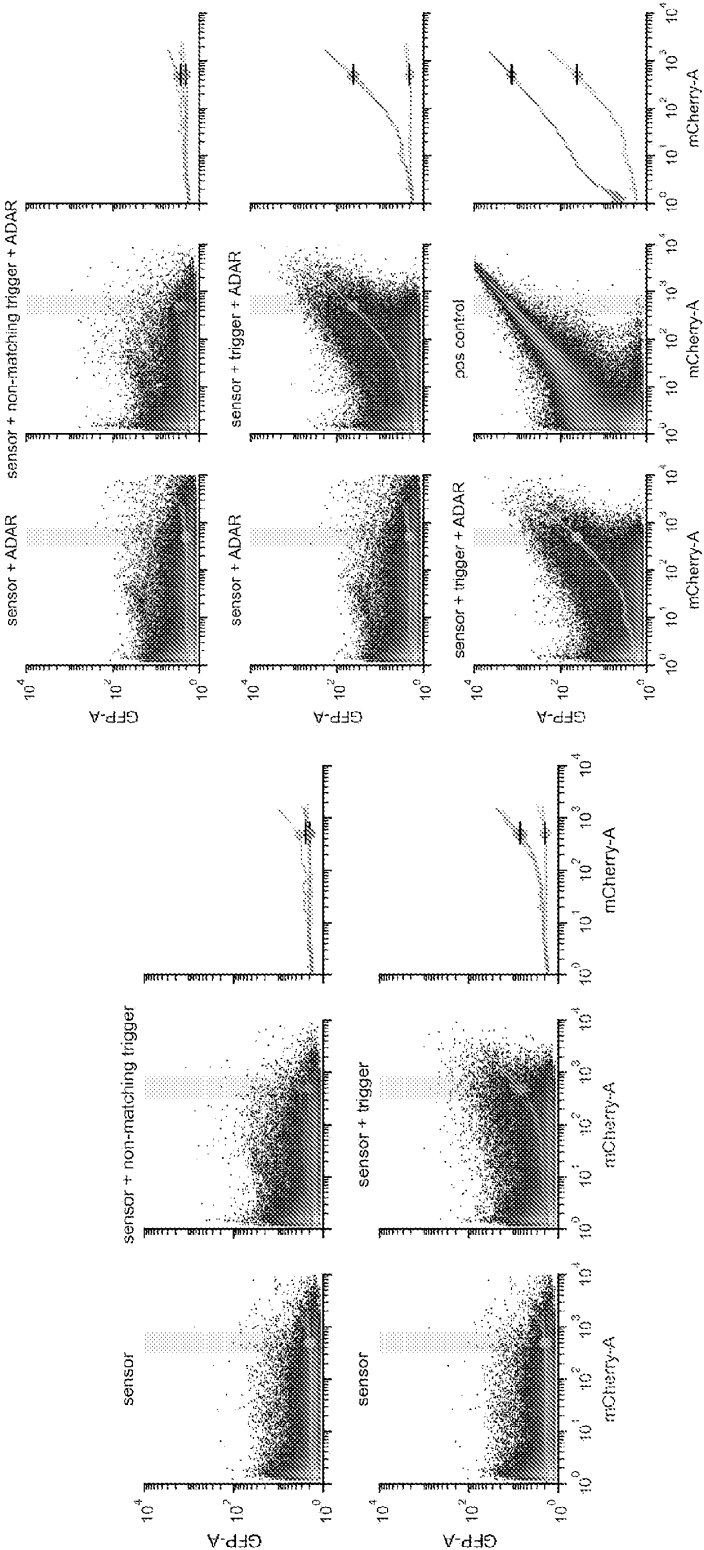


FIG. 3 A



The 99.5th to 99.9th percentile mCherry (transfection marker) level of the lowest-transfected replicate is used as the gate for all samples within a comparison set. Certain data were gathered within the same experiment, but shown in separate figures. Due to this gating strategy, a condition may be filtered with one transfection marker gate in one figure but with slightly different gate in another figure.

FIG. 3 B



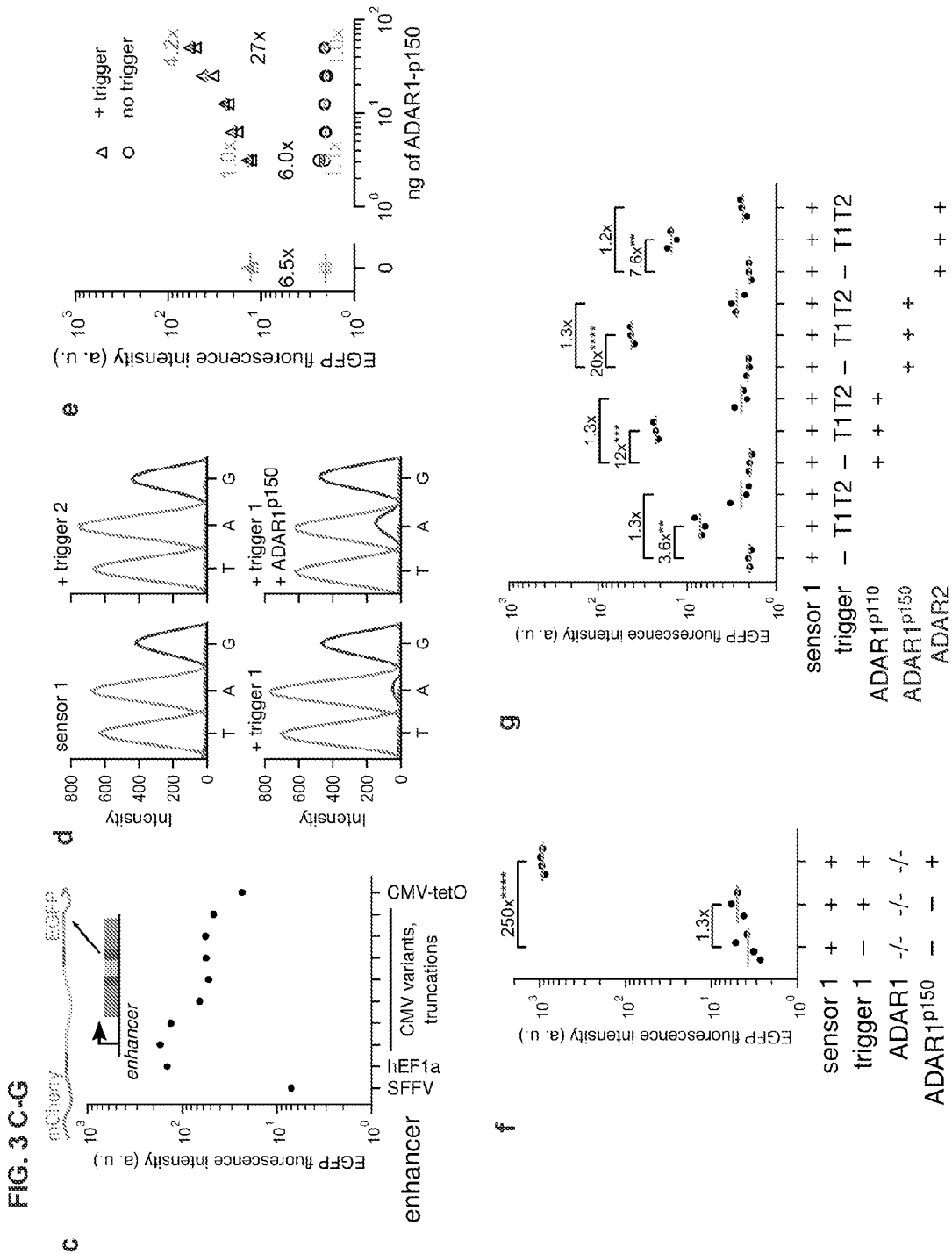


FIG. 4 A-C

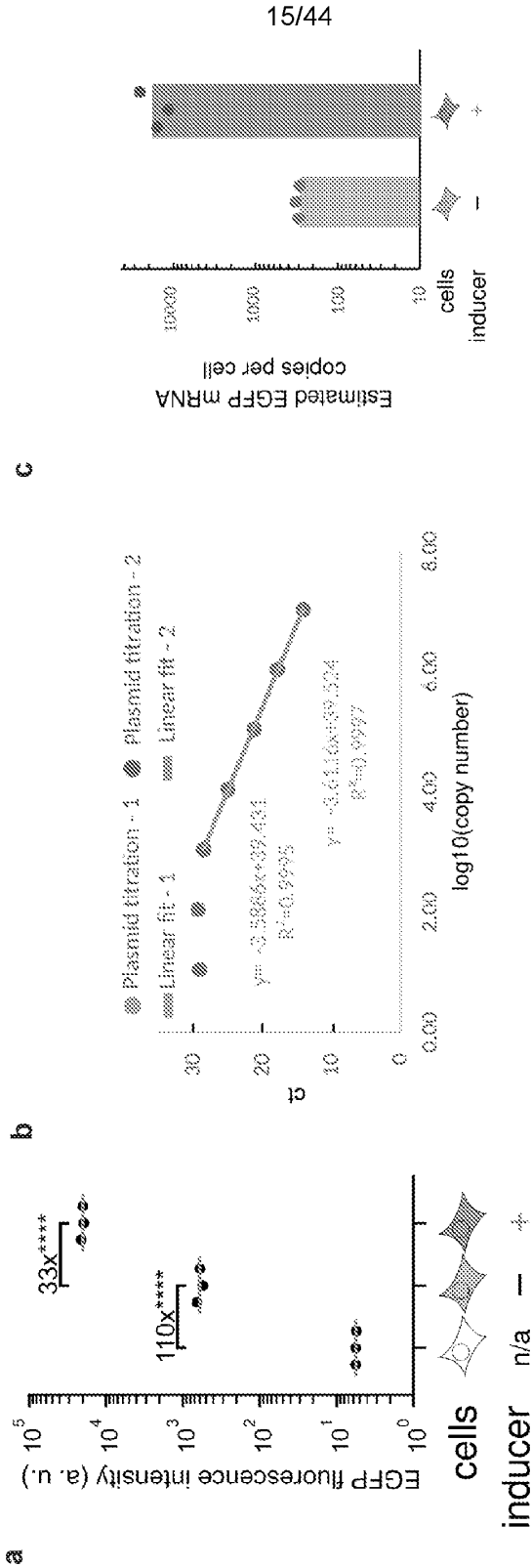


FIG. 4 D

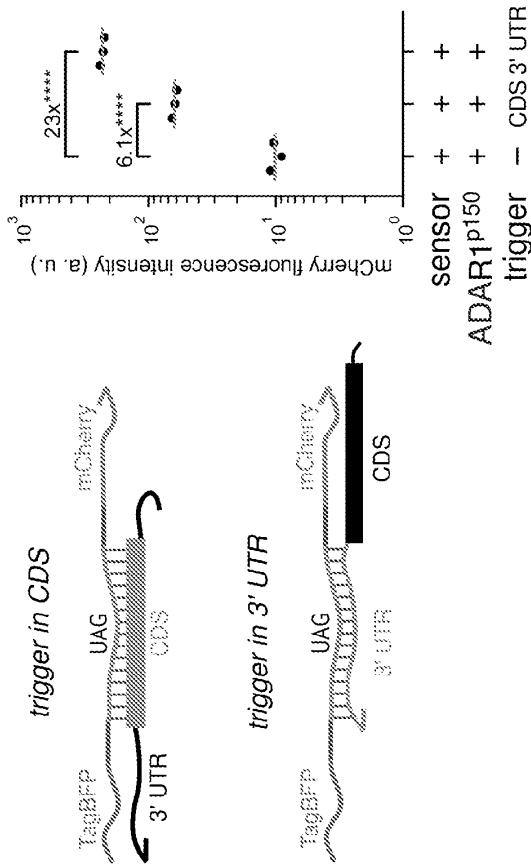


FIG. 4 E-F

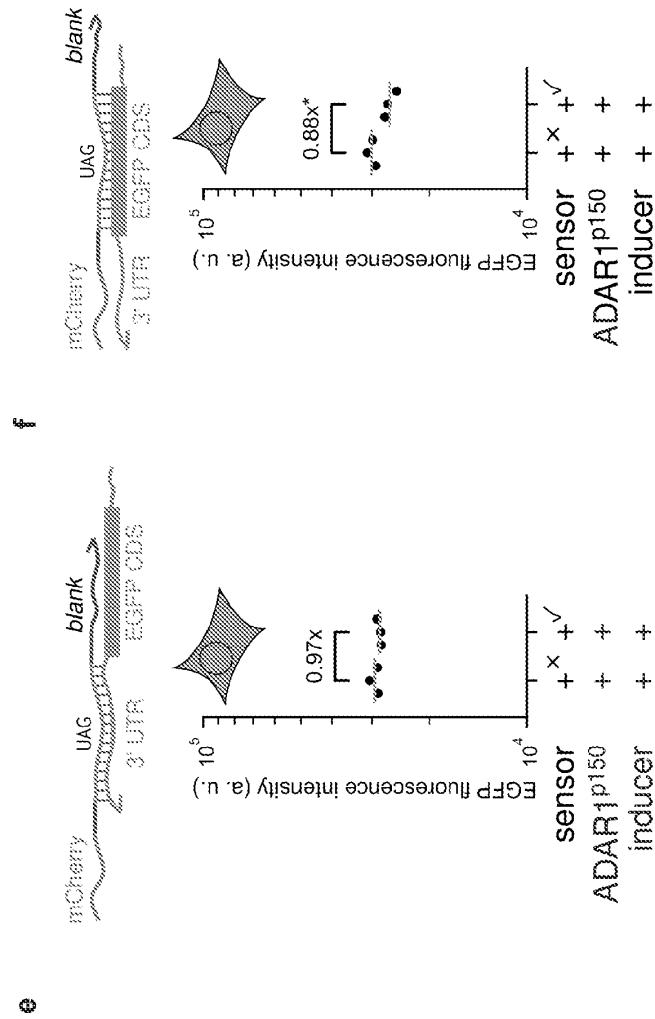


FIG. 4 G-H

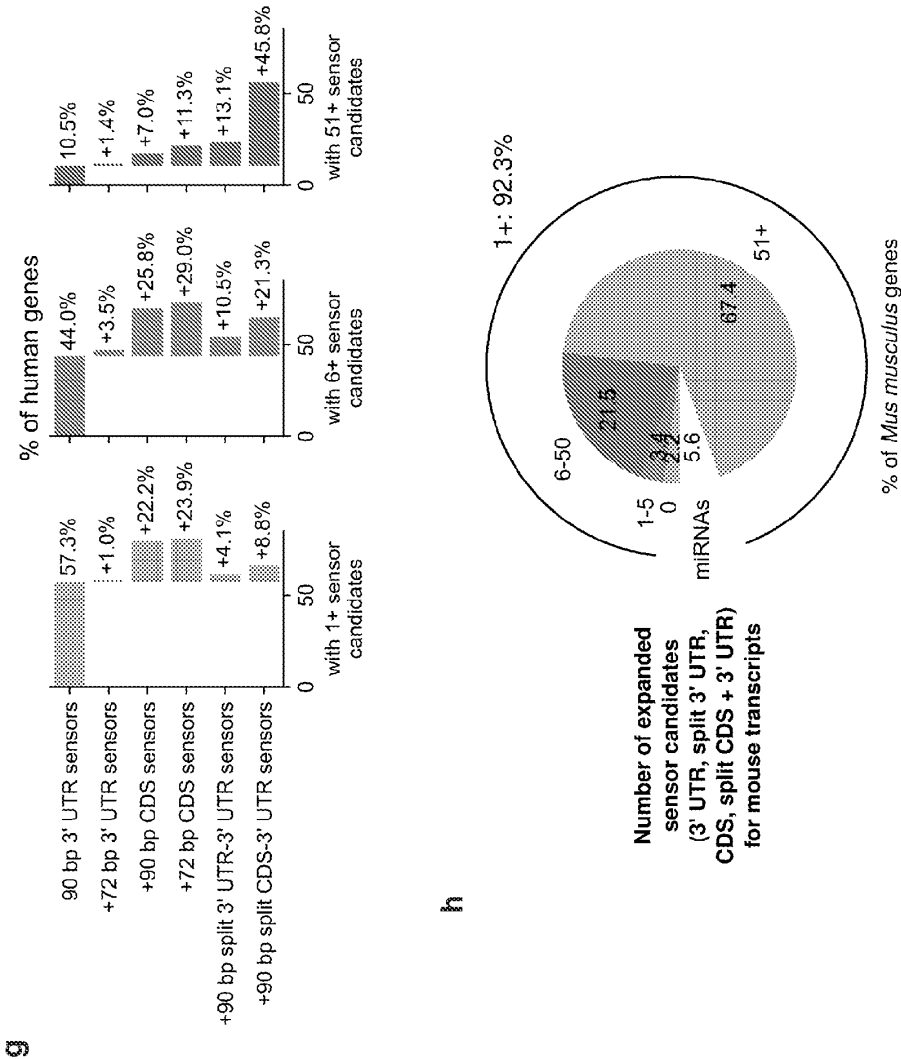


FIG. 4 I

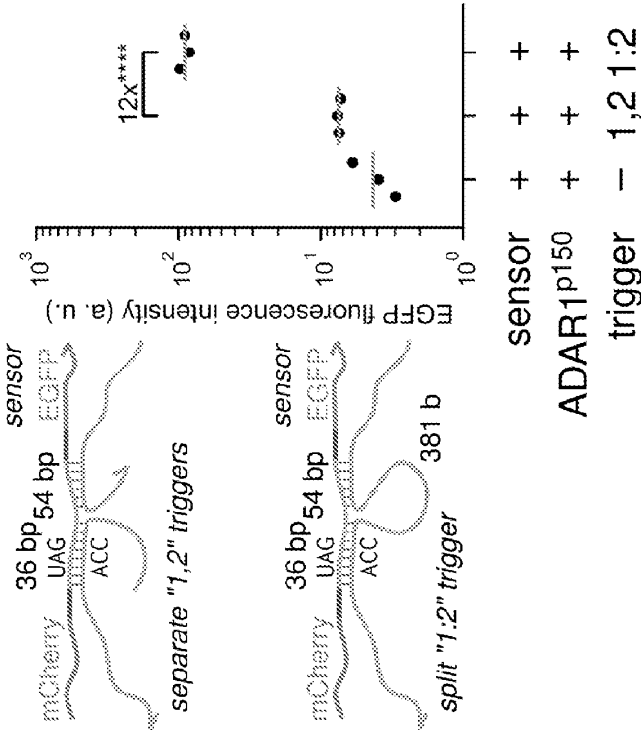


FIG. 5

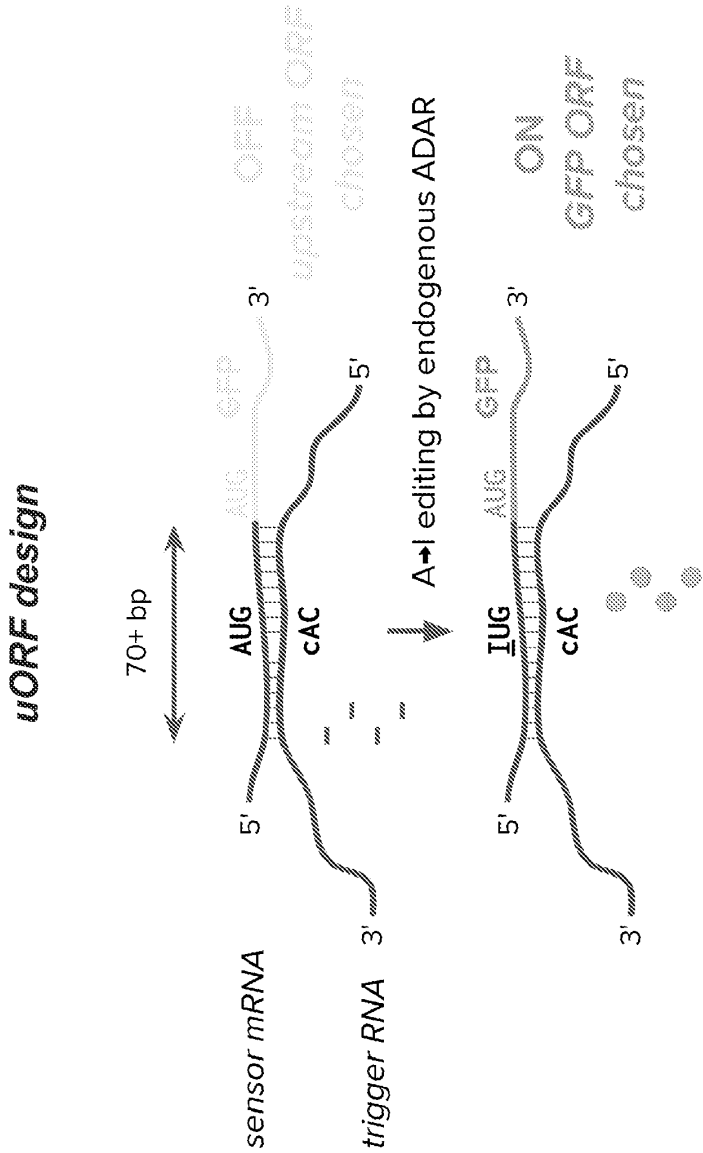
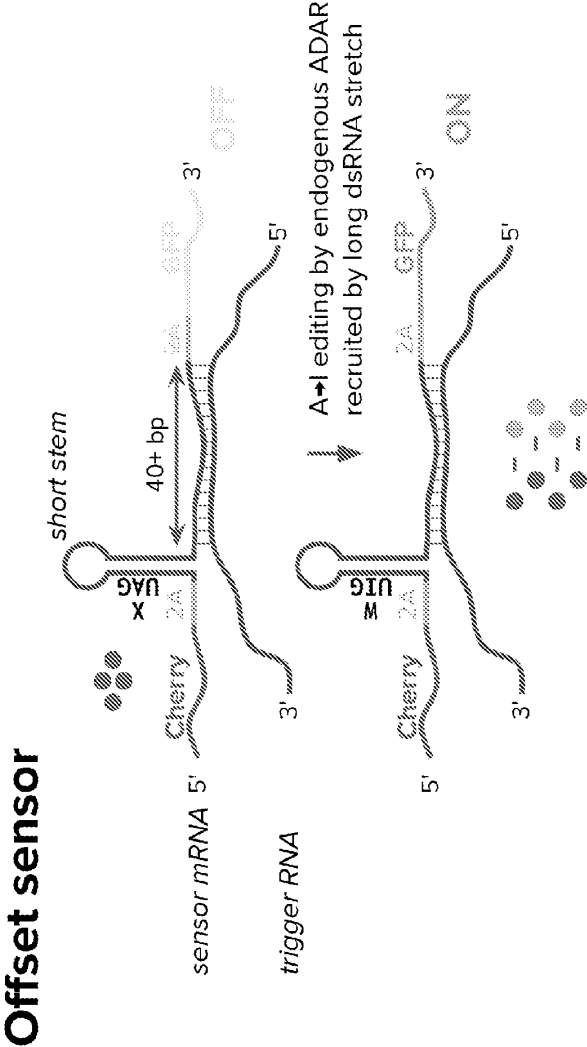
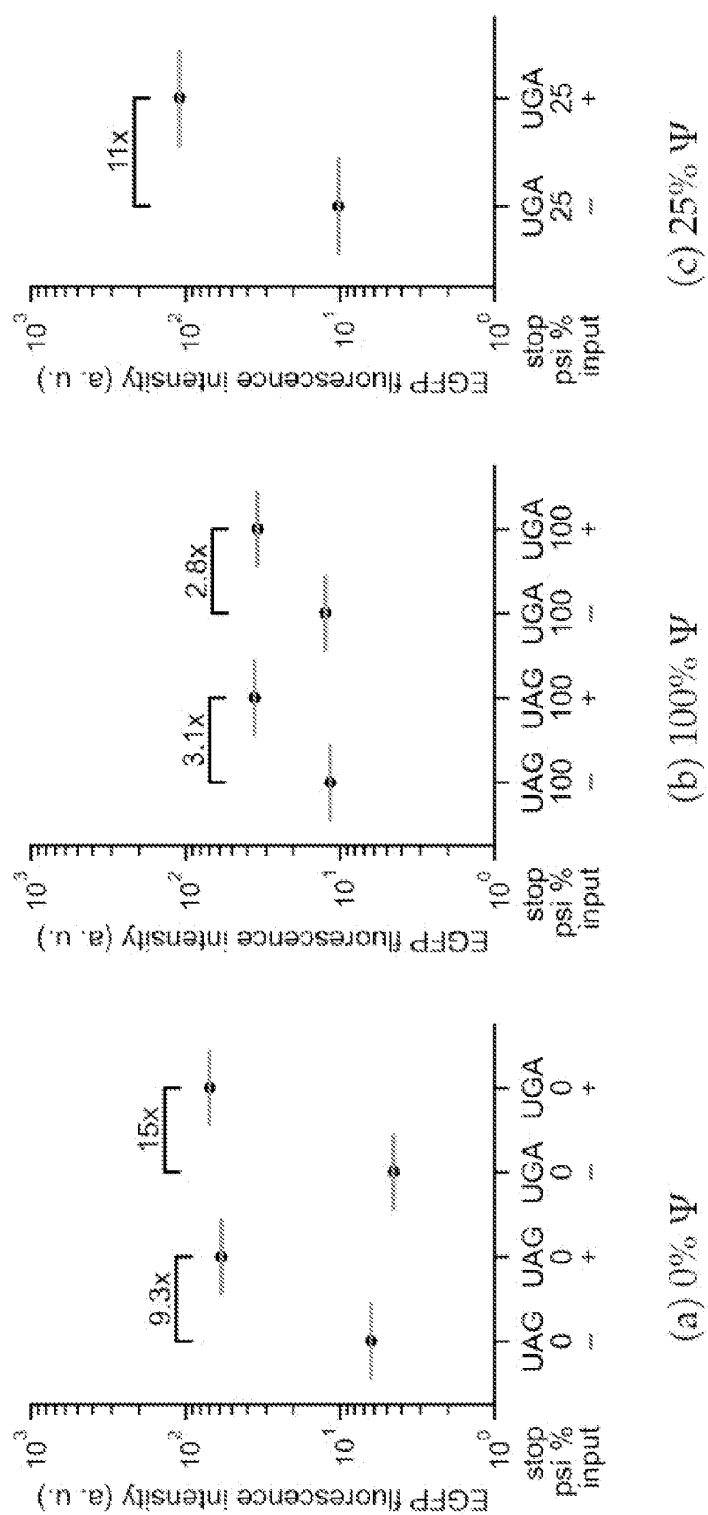


FIG. 7





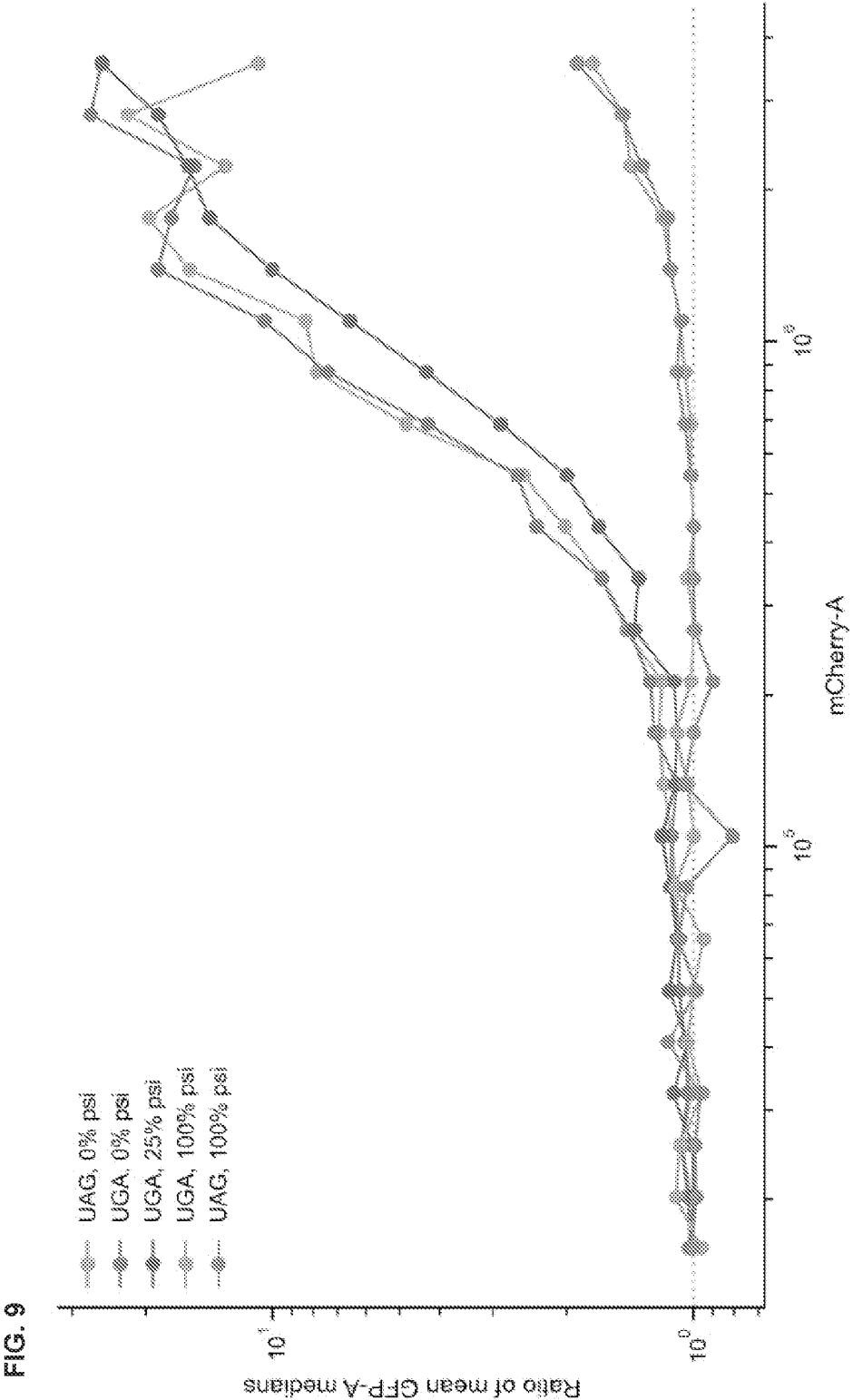
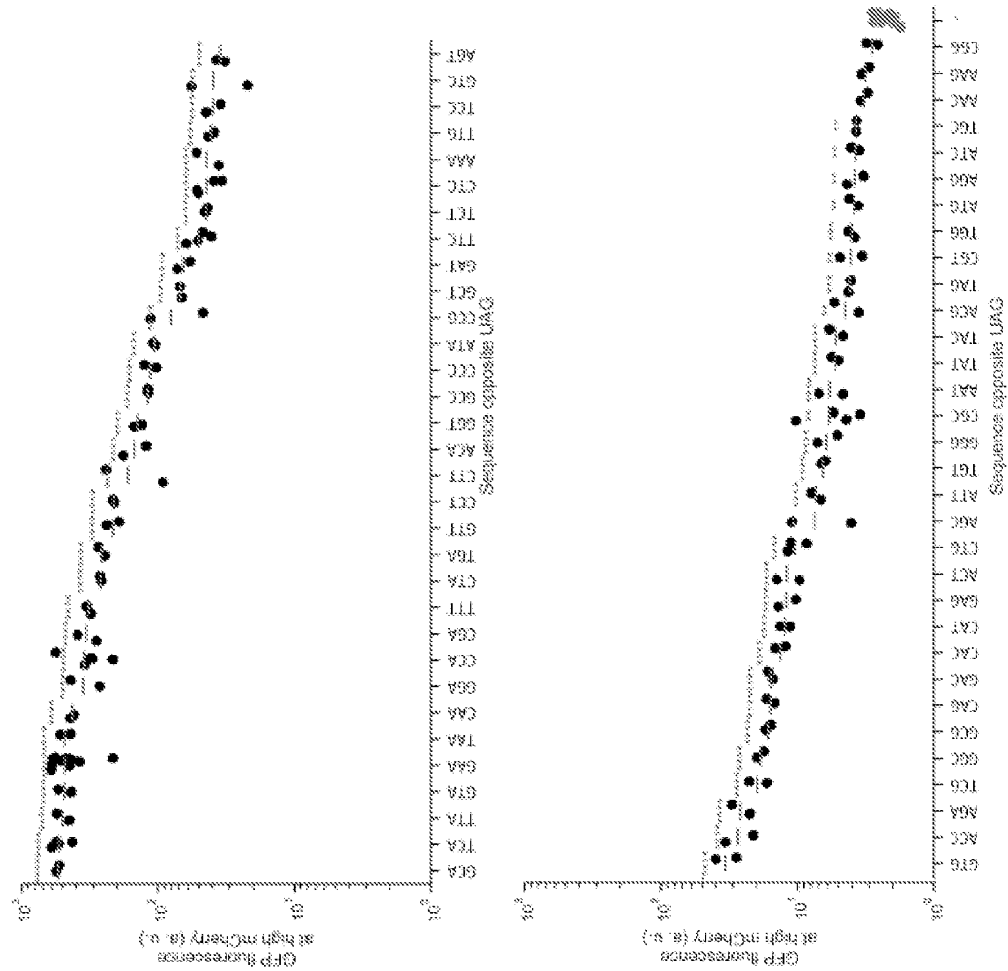
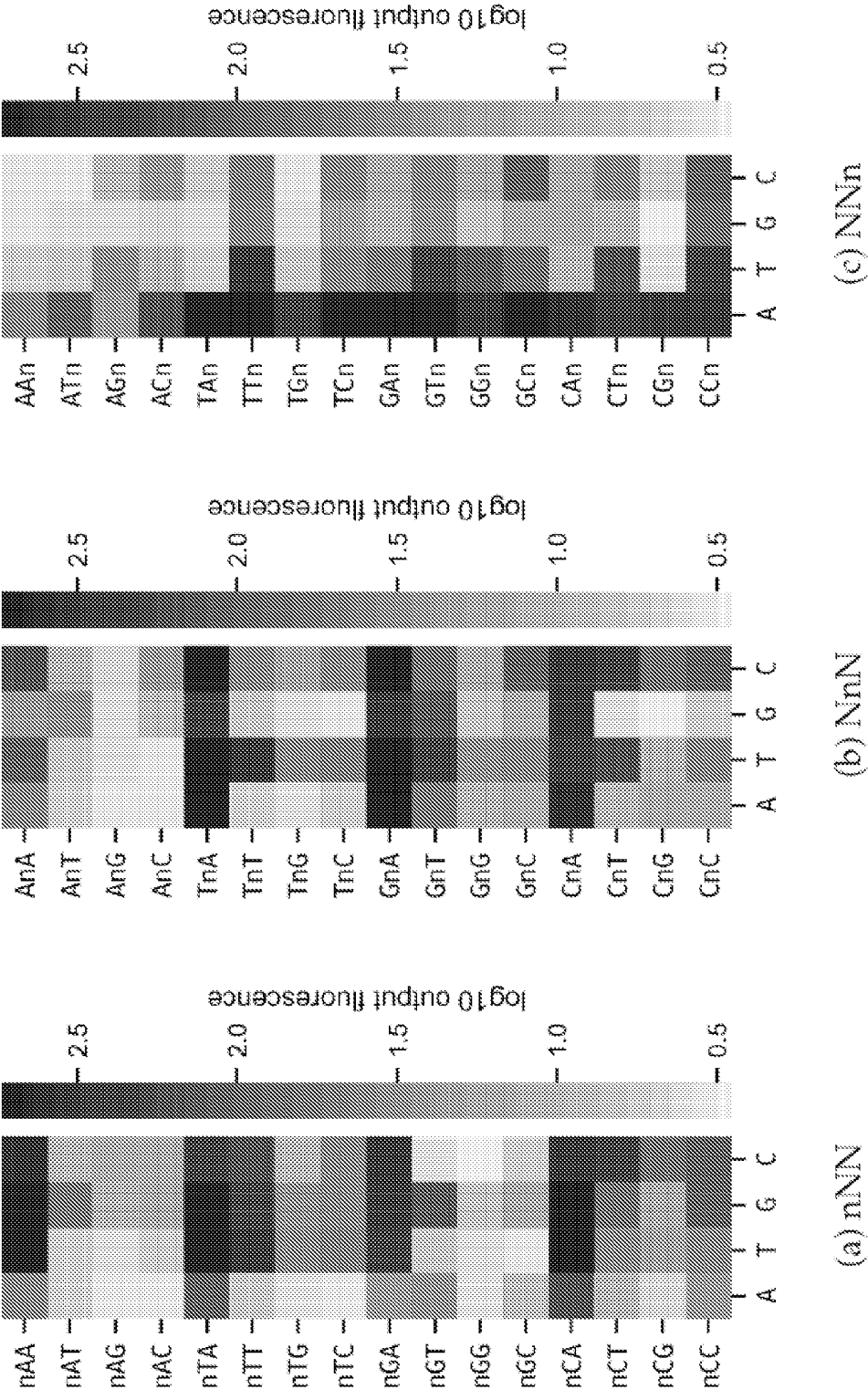


FIG. 10





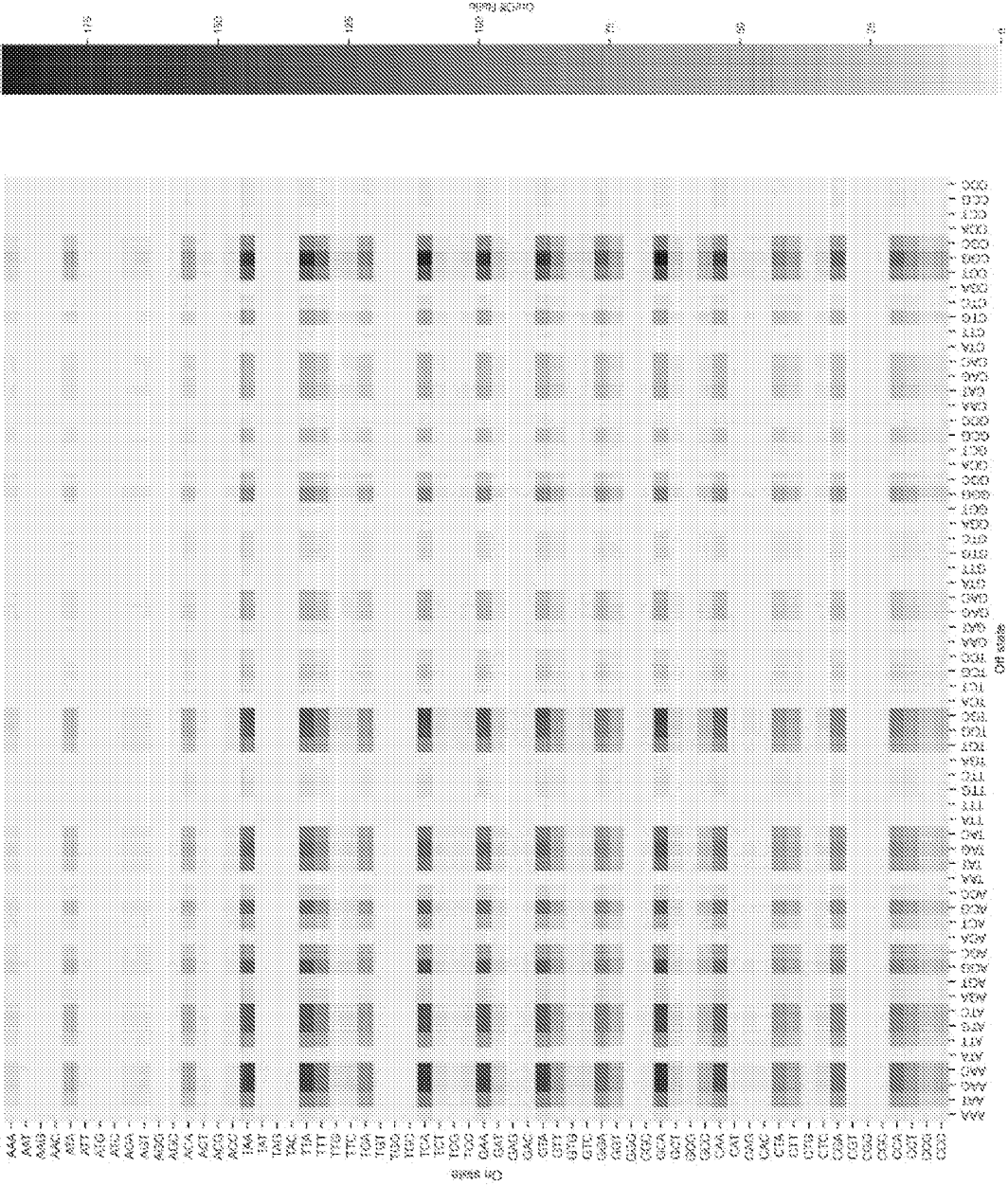


FIG. 12

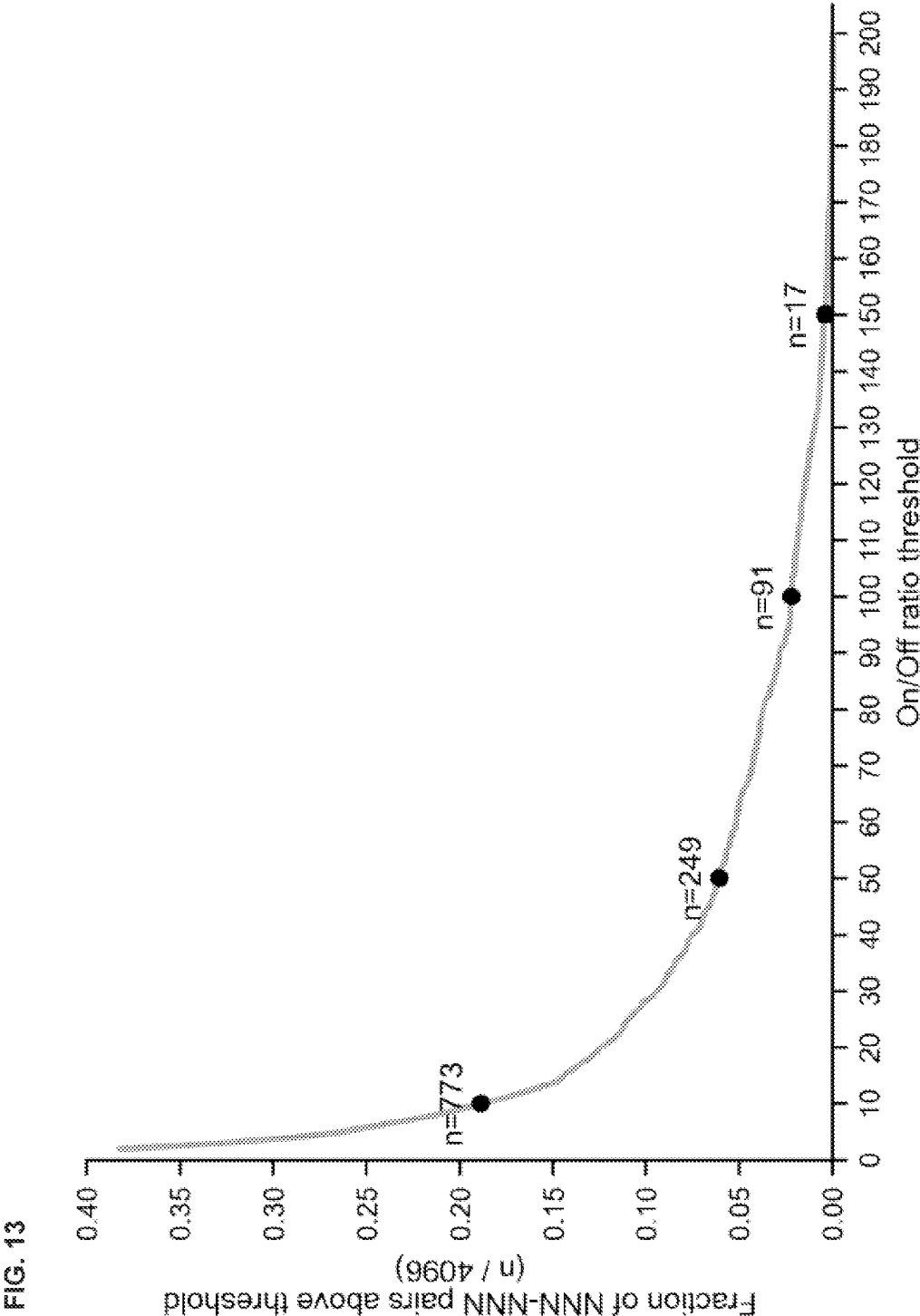


FIG. 14

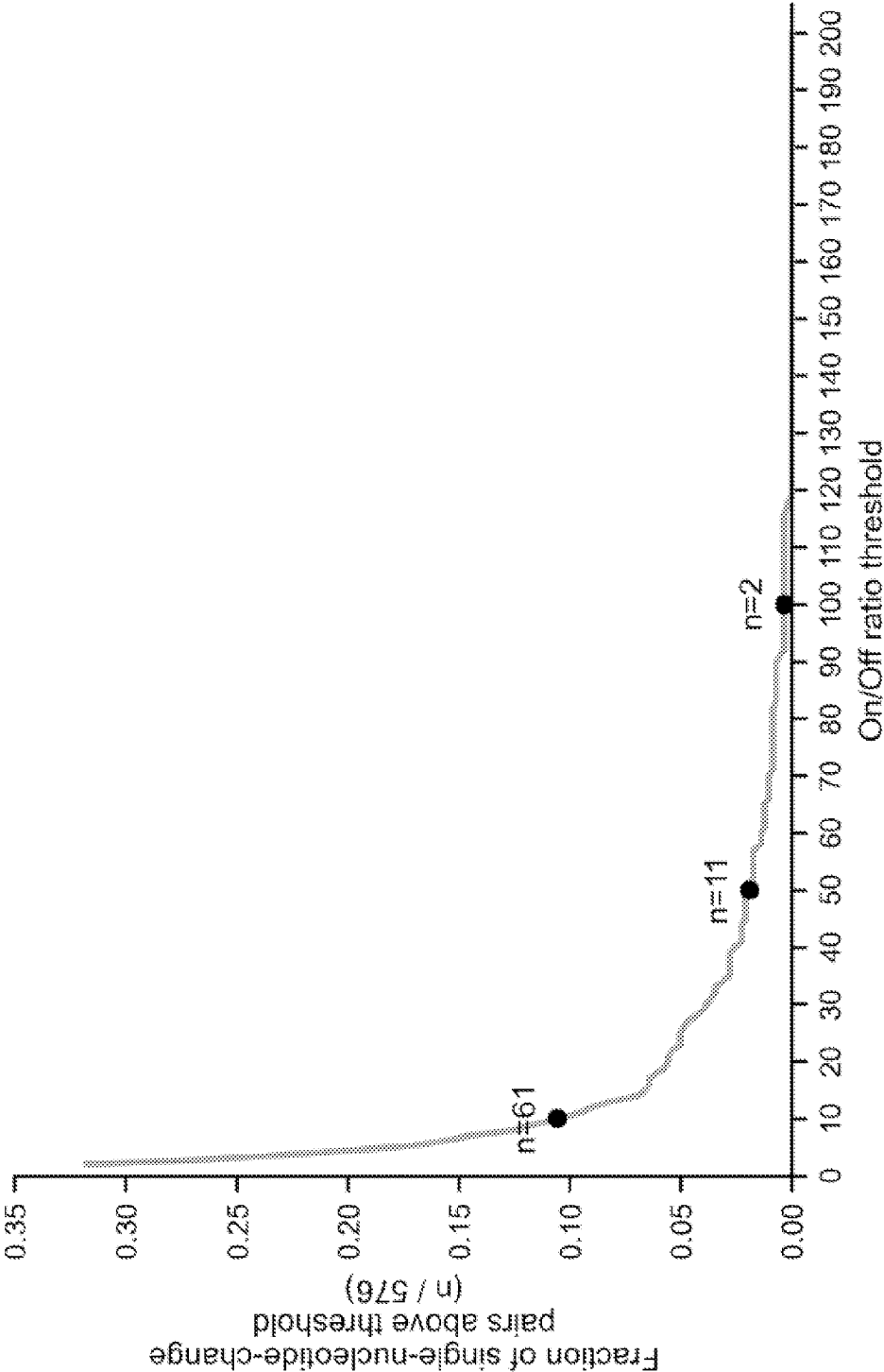


FIG. 15

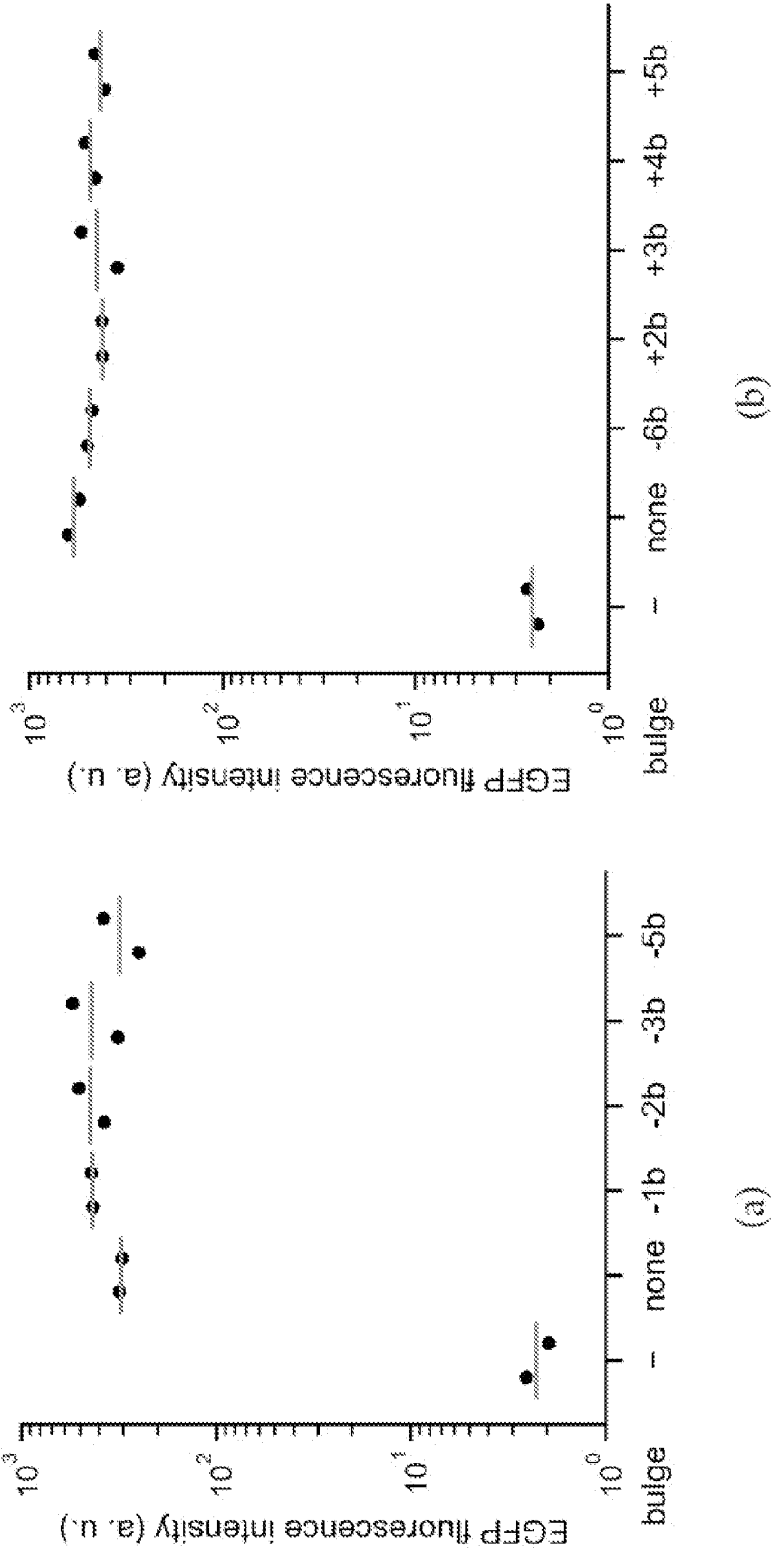


FIG. 16

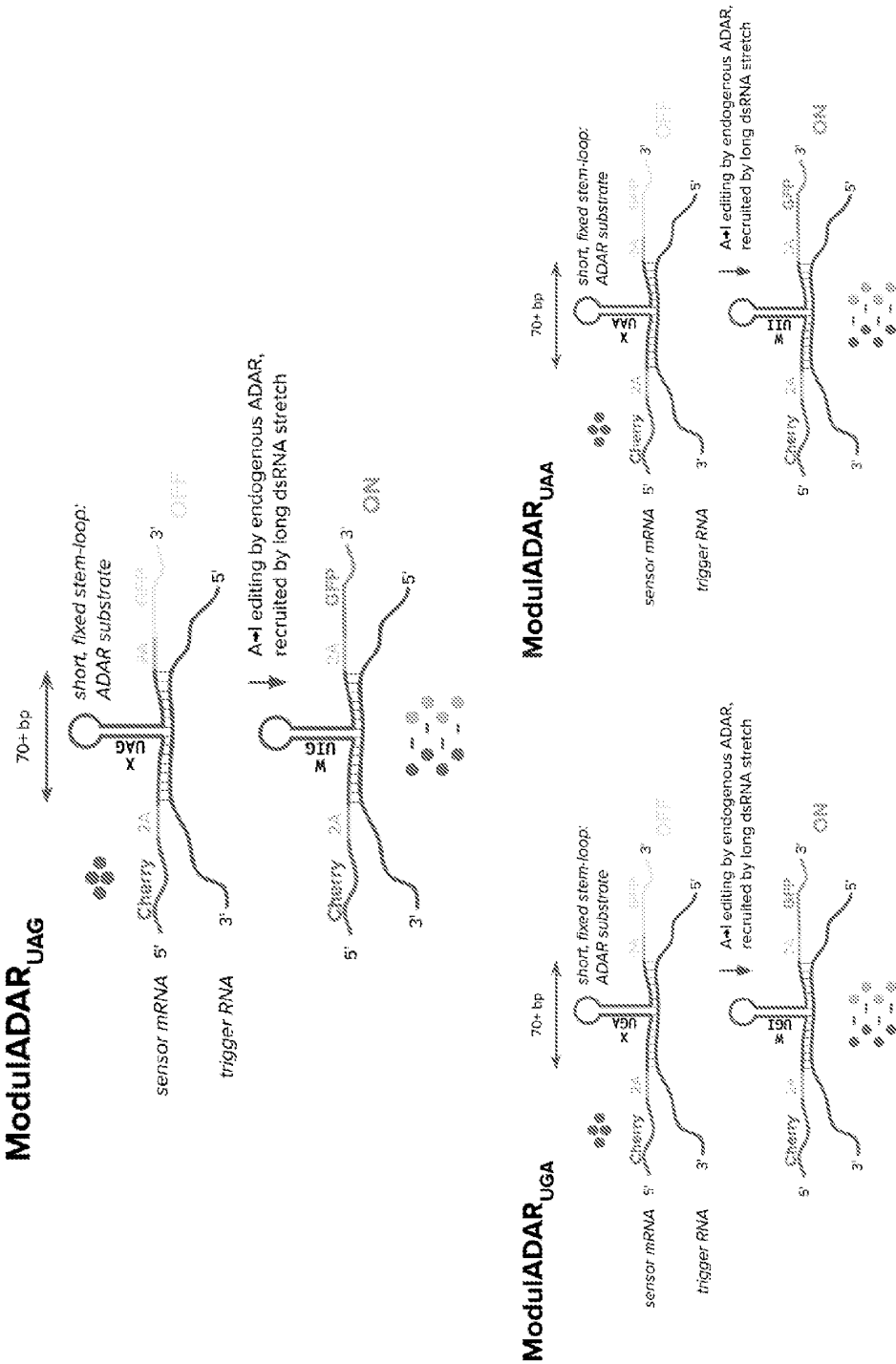


FIG. 17

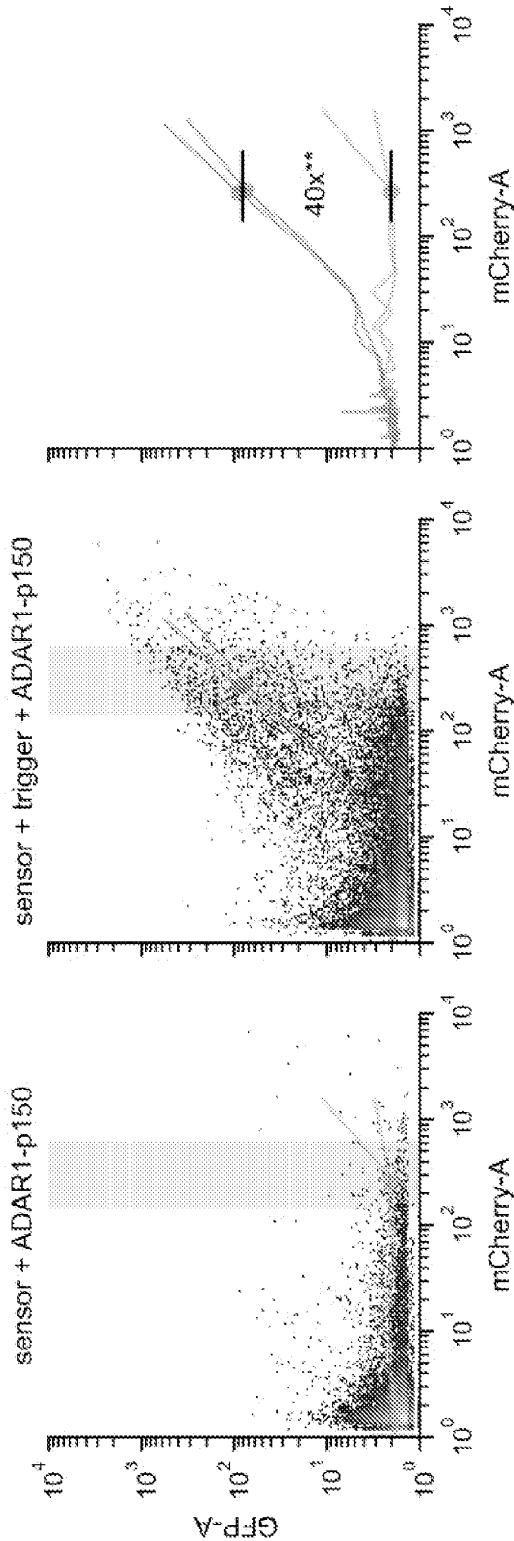
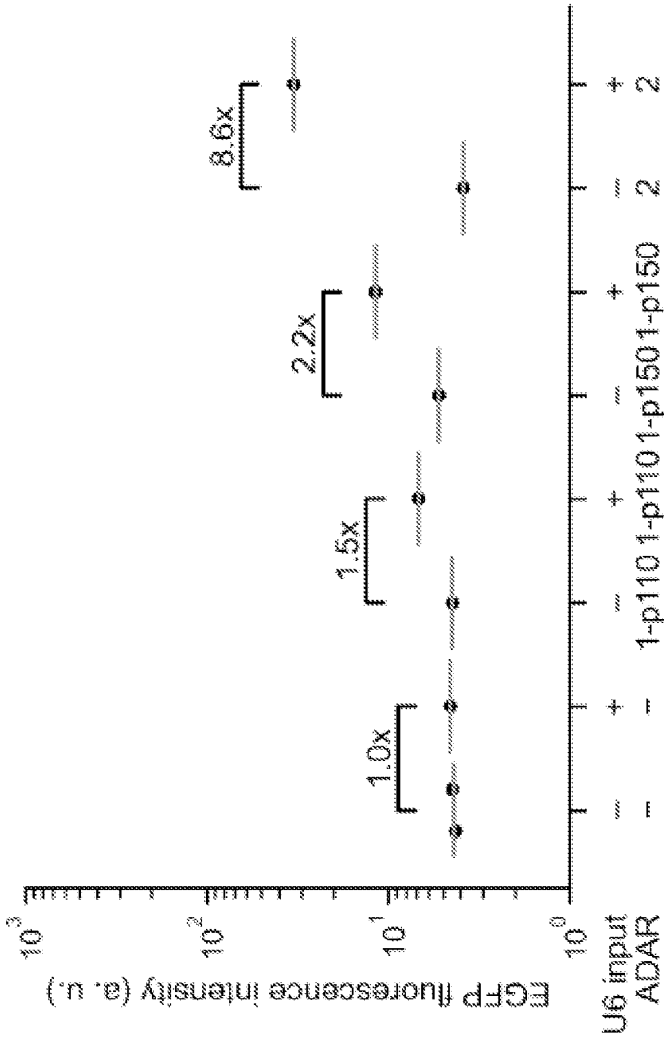


FIG. 18



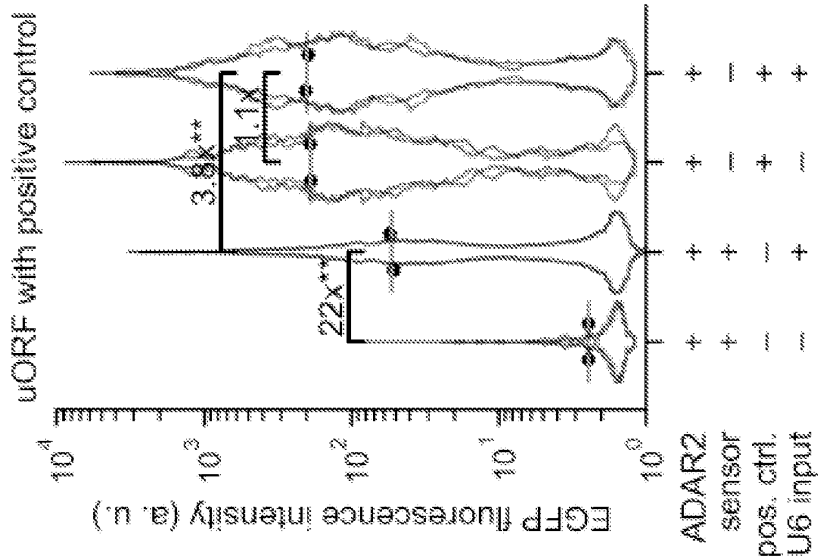


FIG. 19

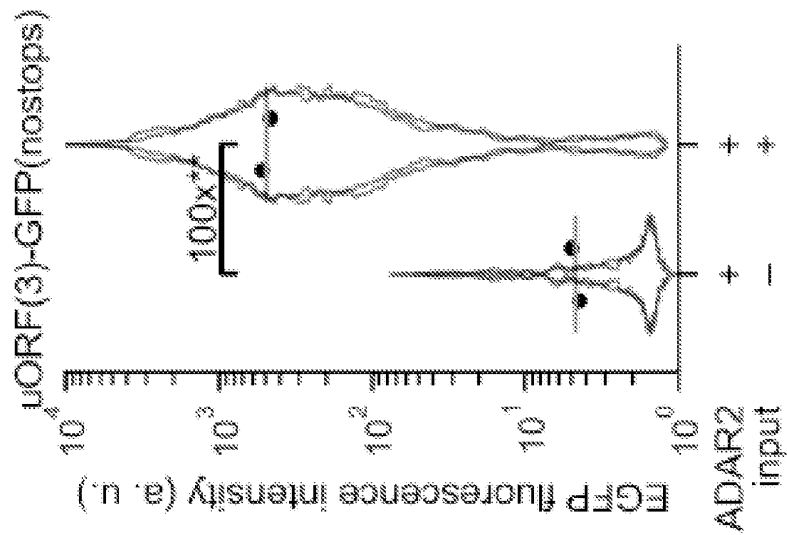
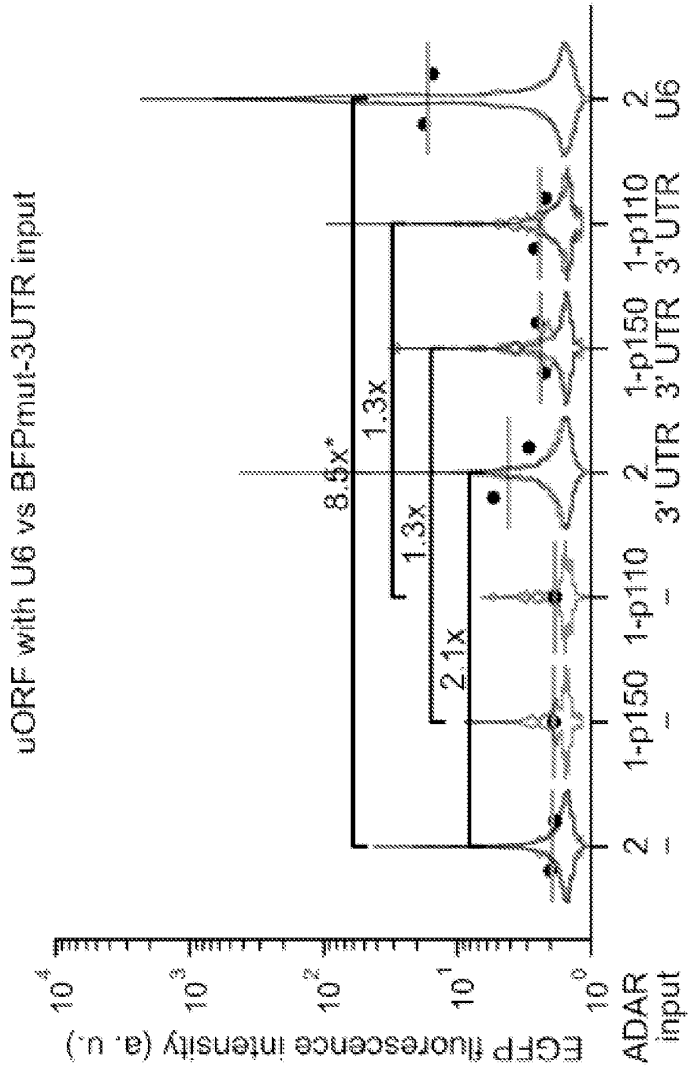


FIG. 20

FIG. 21



AUG RADAR

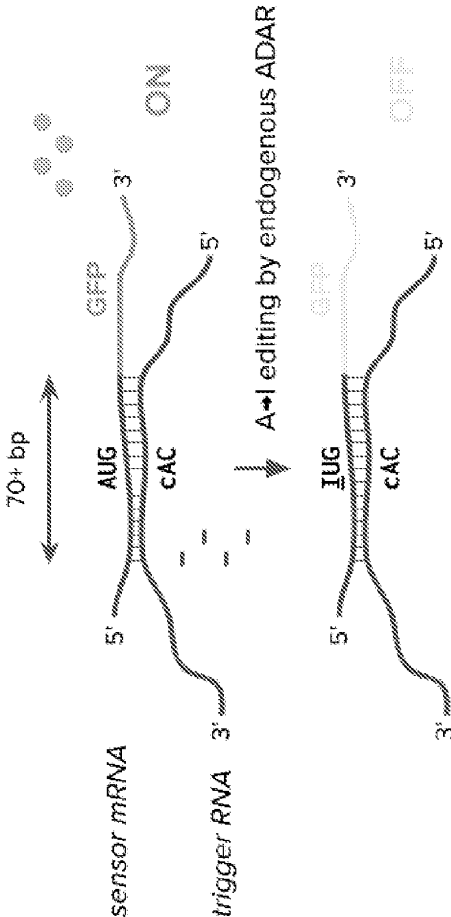


FIG. 22

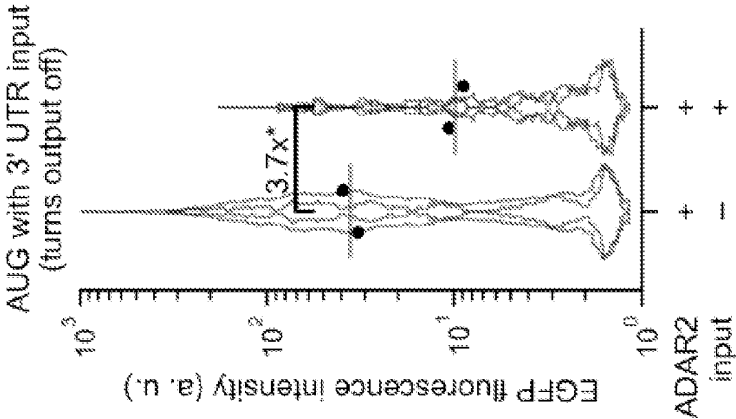
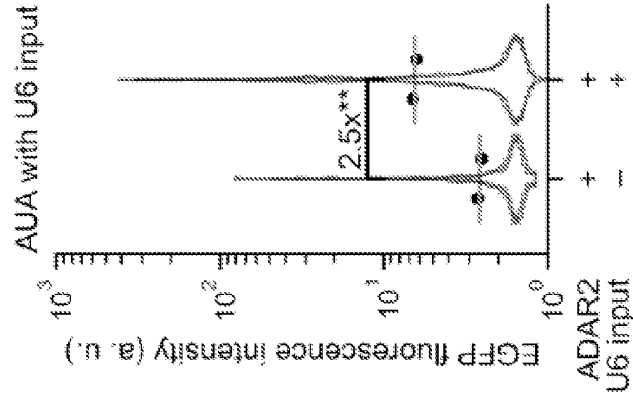


FIG. 23

FIG. 24



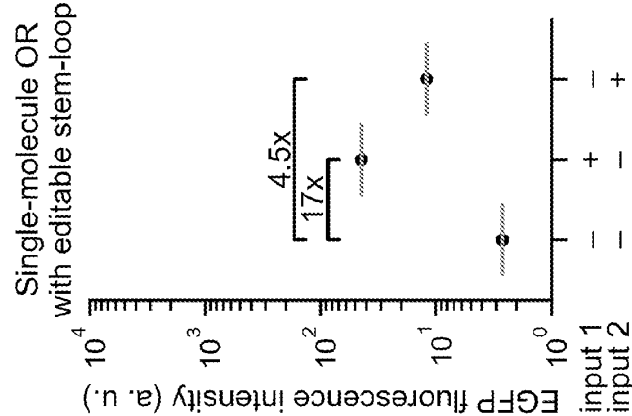


FIG. 25

FIG. 26

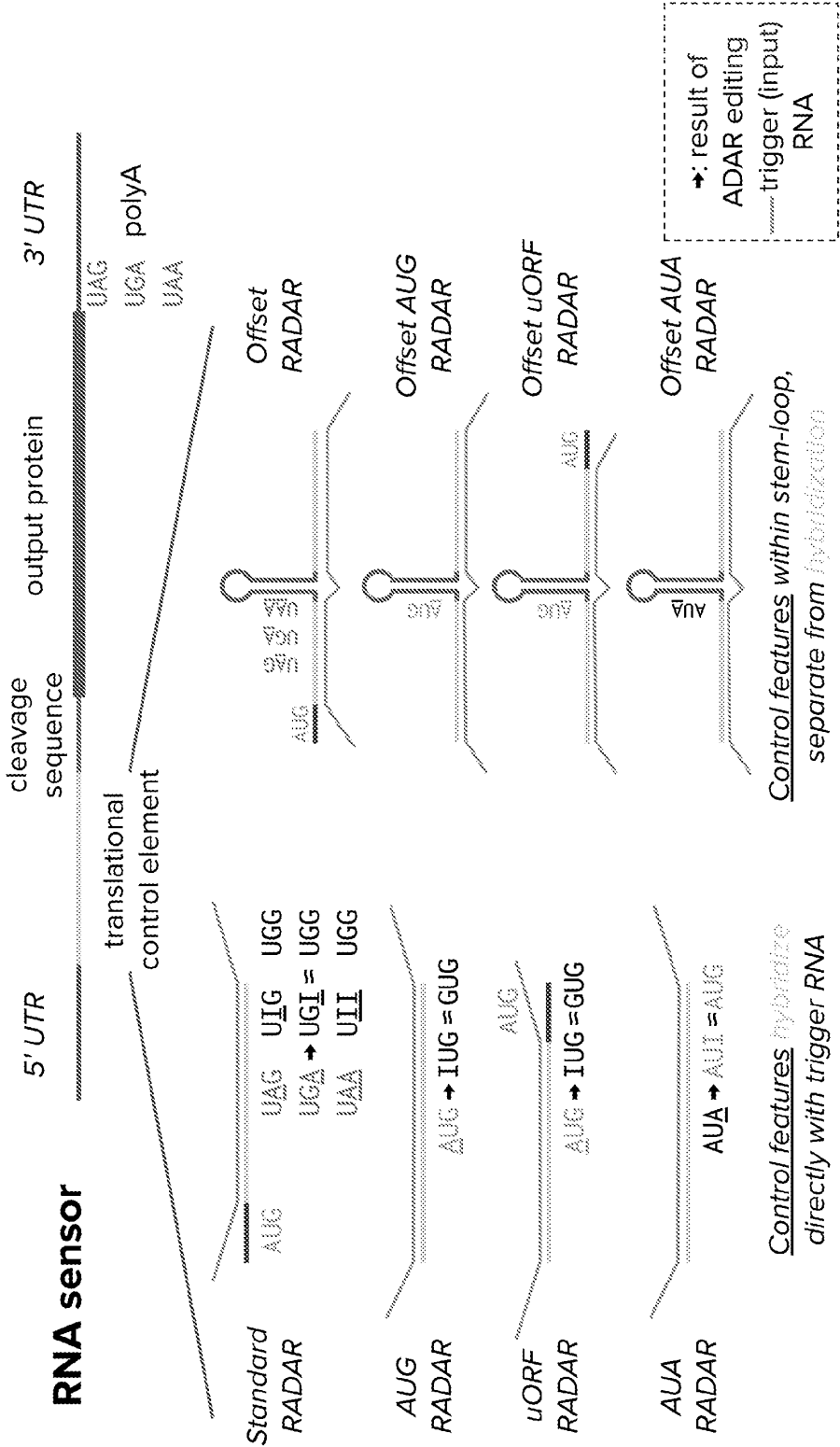
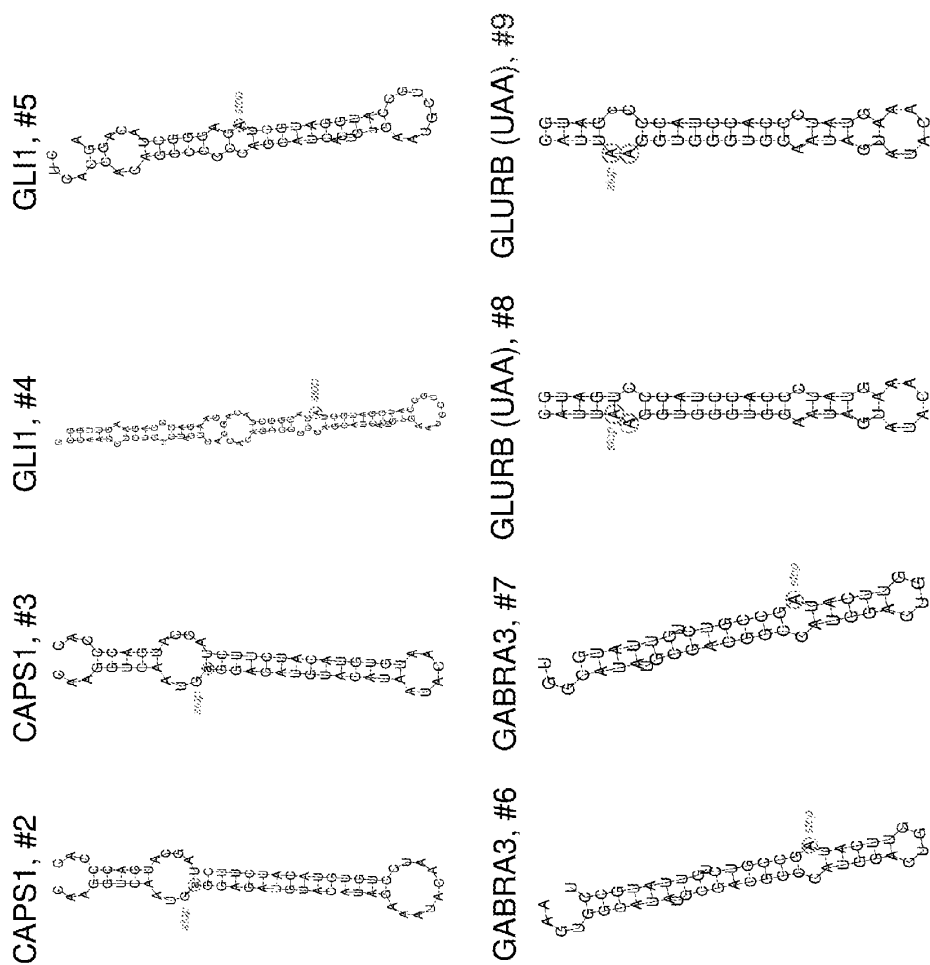


Fig. 27

Example stem-loop variants



28
C.
L.

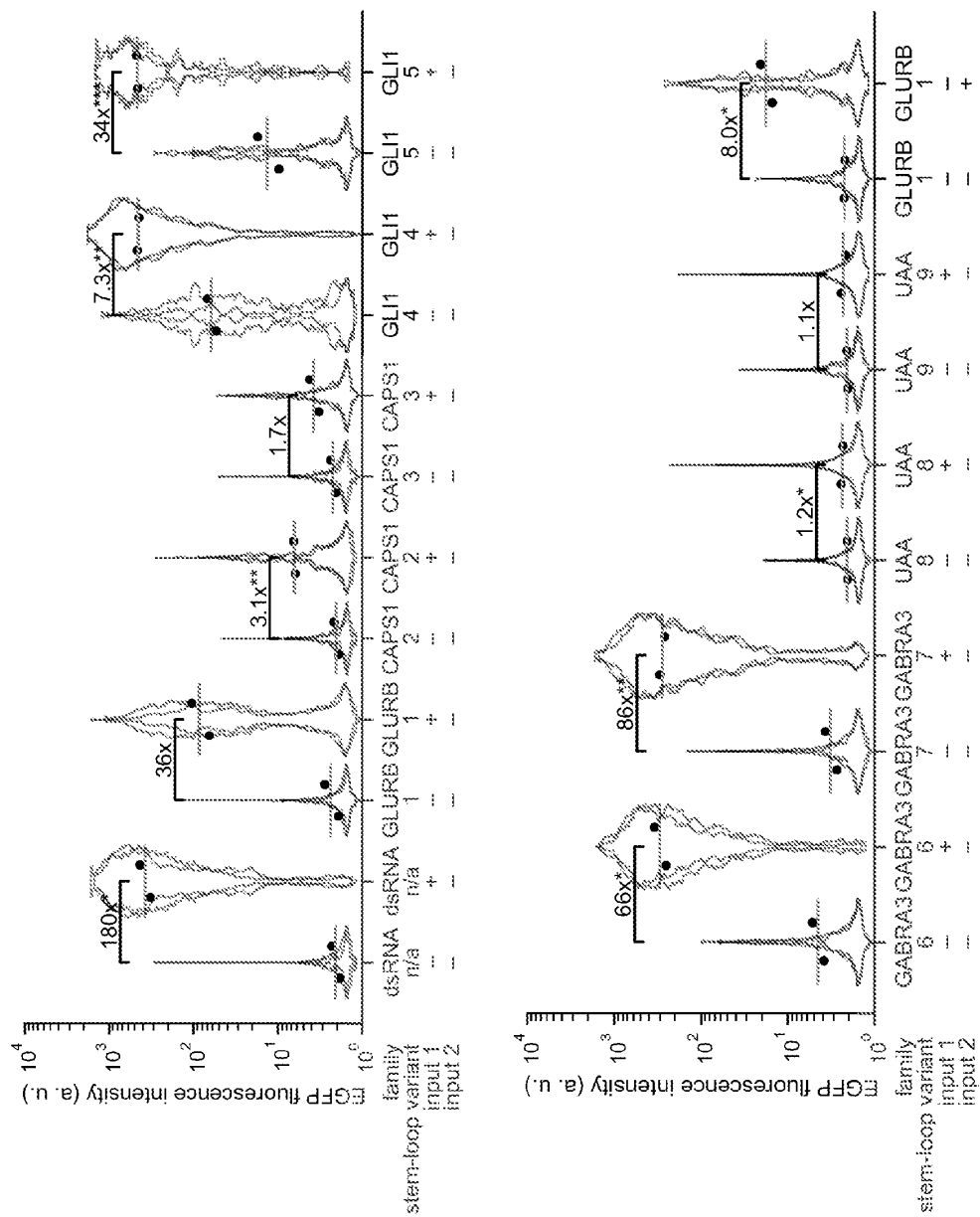
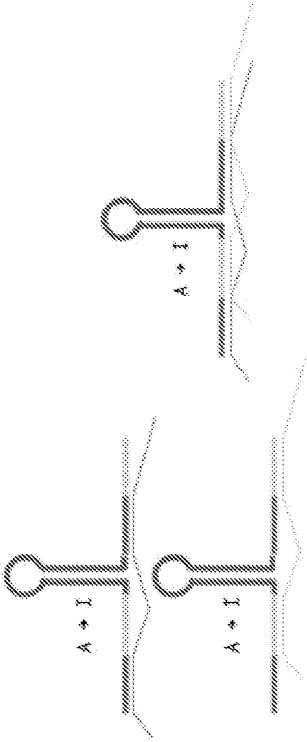


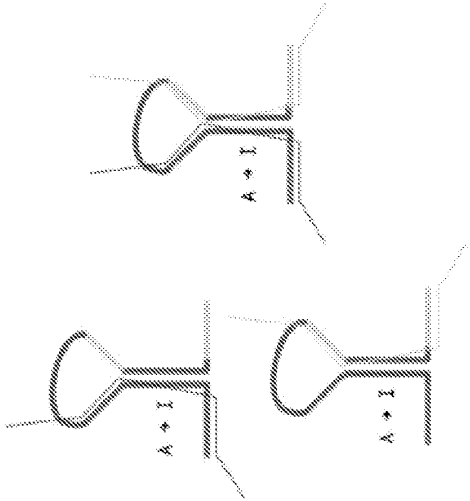
FIG. 29

ModulADAR design uniquely enables single-molecule OR gates

Single-molecule OR, variant 1



Single-molecule OR, variant 2



Binding region for input 1
Binding region for input 2

Each input can bind to form dsRNA around both sides of the stem-loop in a "split" fashion
→ either input alone, or both inputs together can recruit ADAR for editing of the stem-loop