

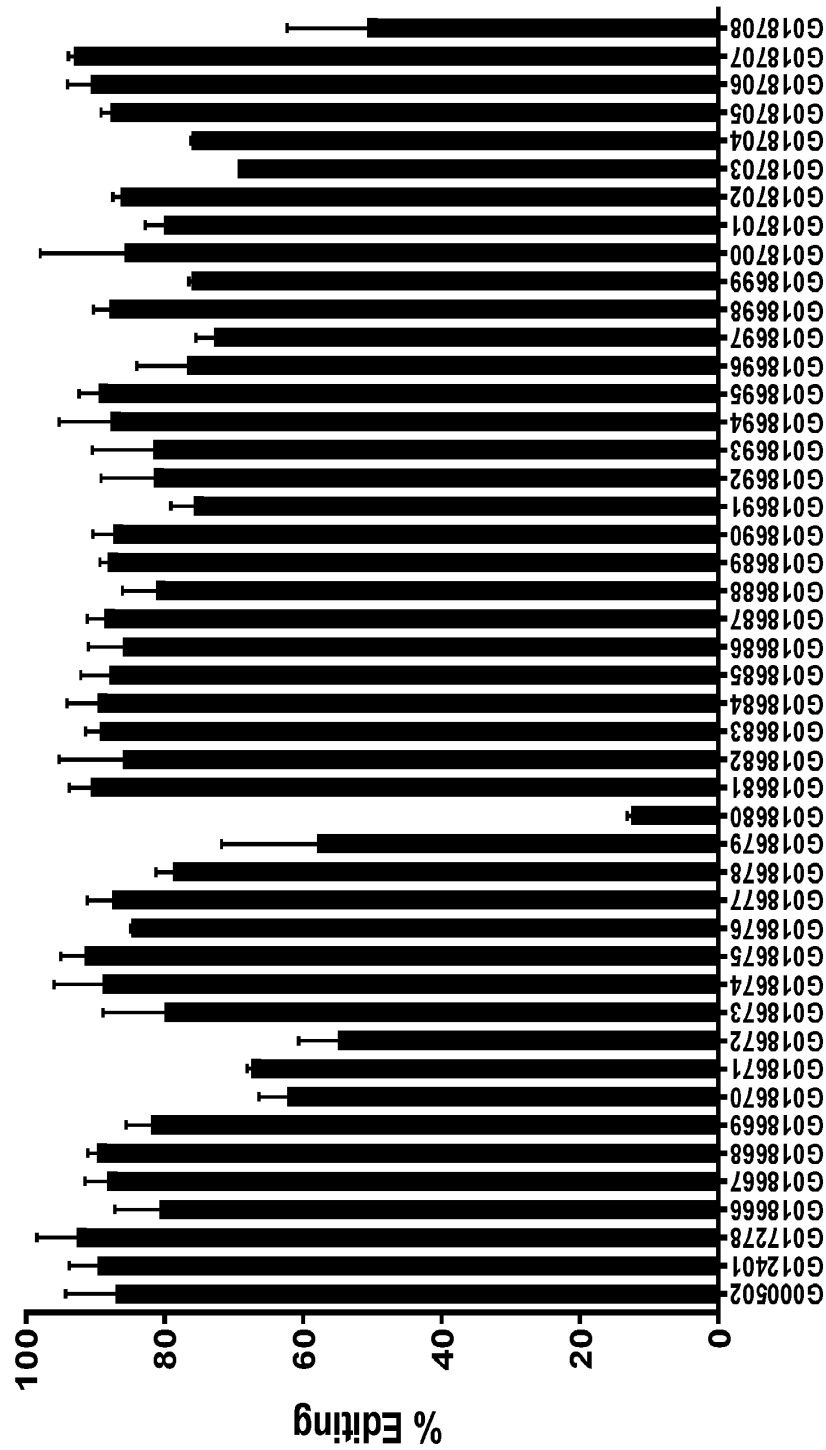


Fig. 1A

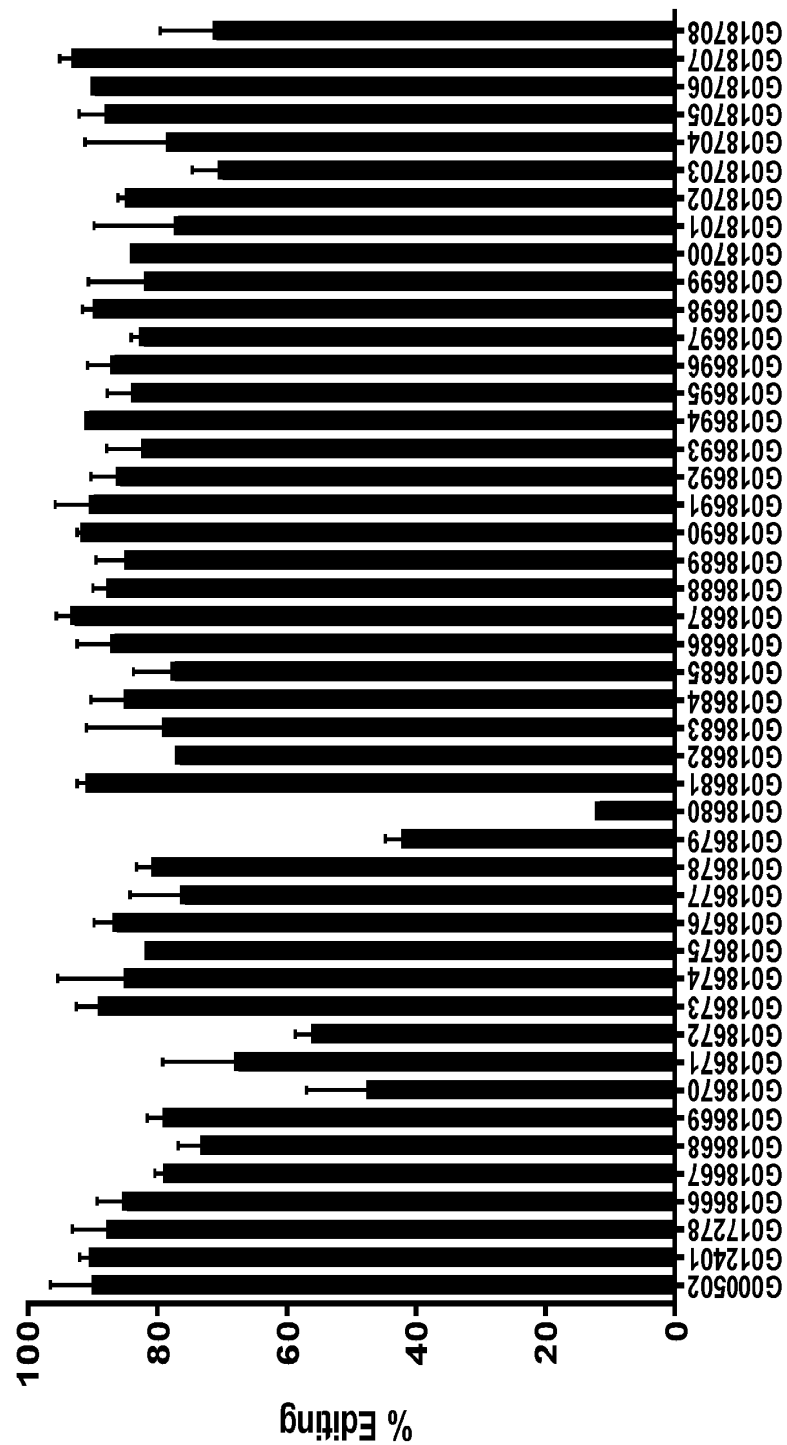


Fig. 1B

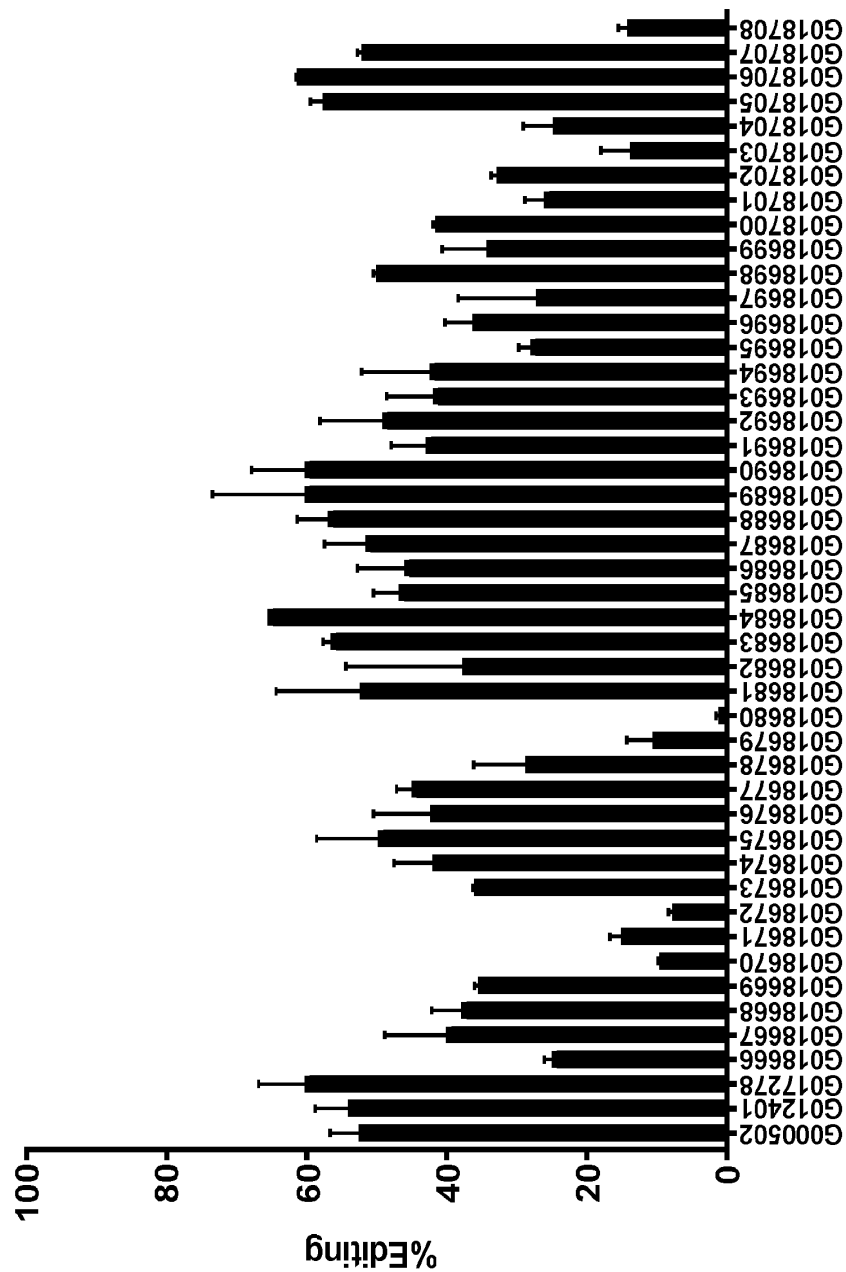


Fig. 1C

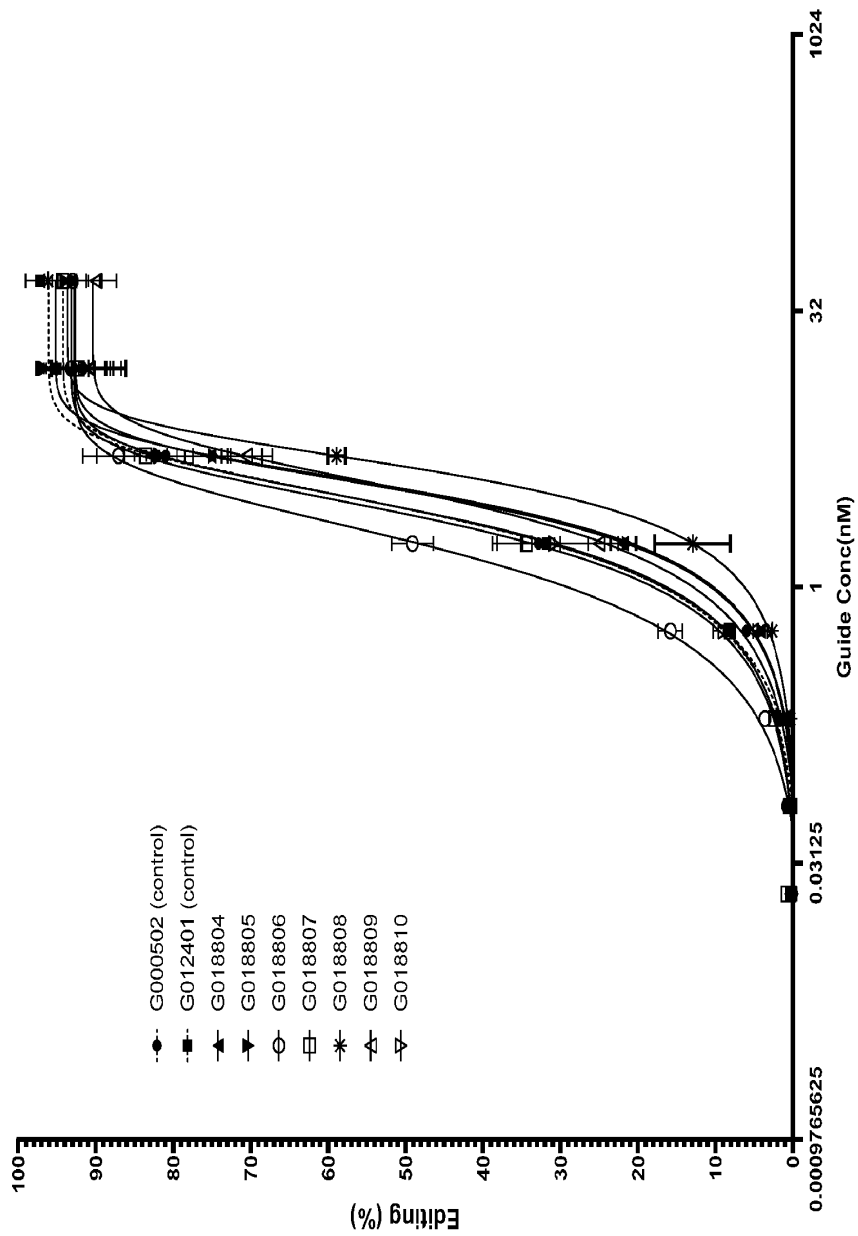


Fig. 2A

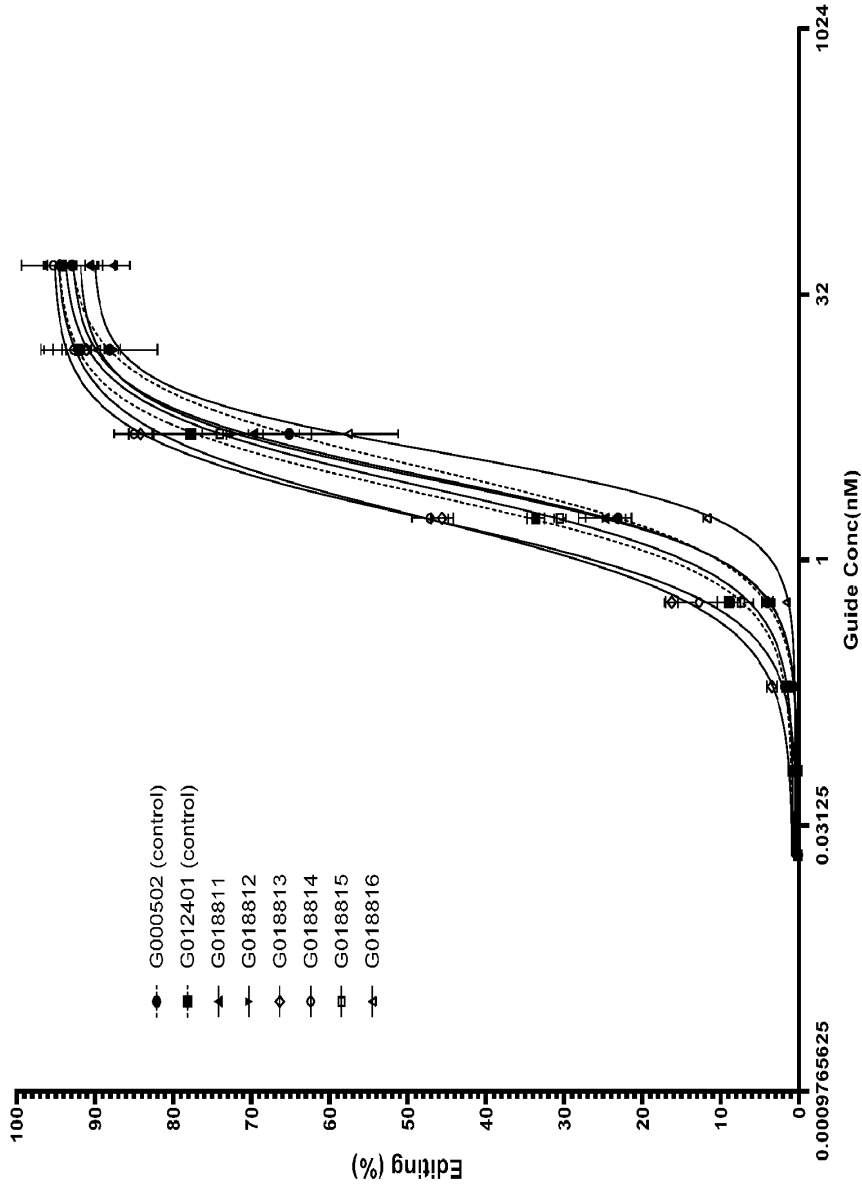


Fig. 2B

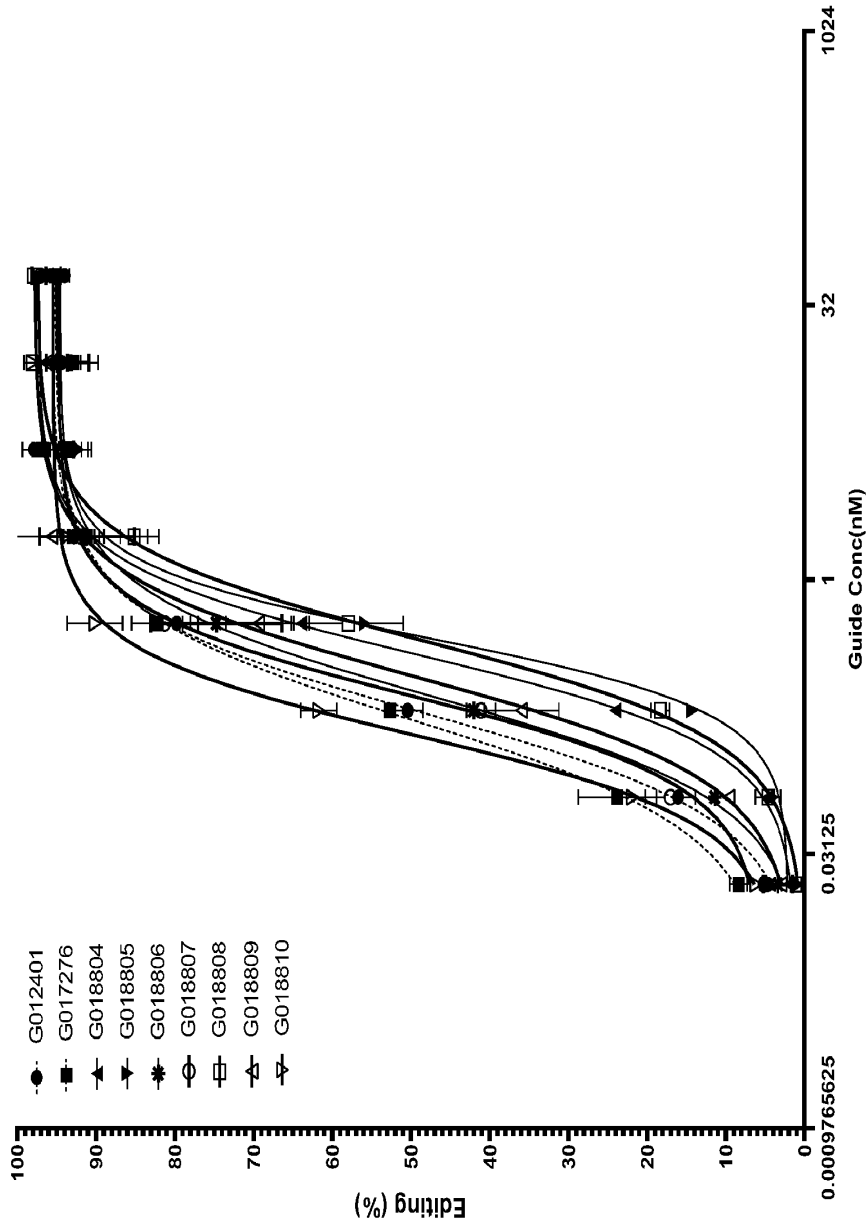


Fig. 3A

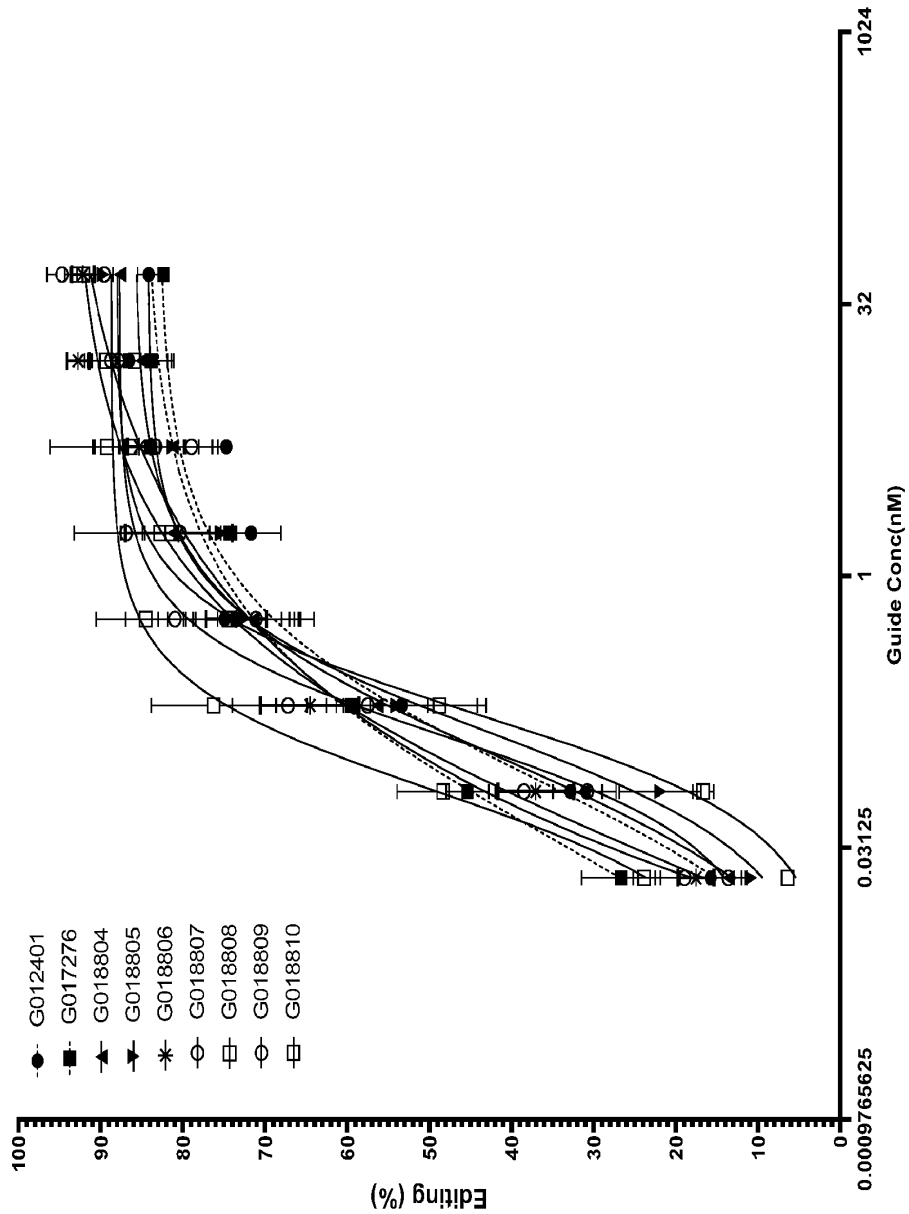


Fig. 3B

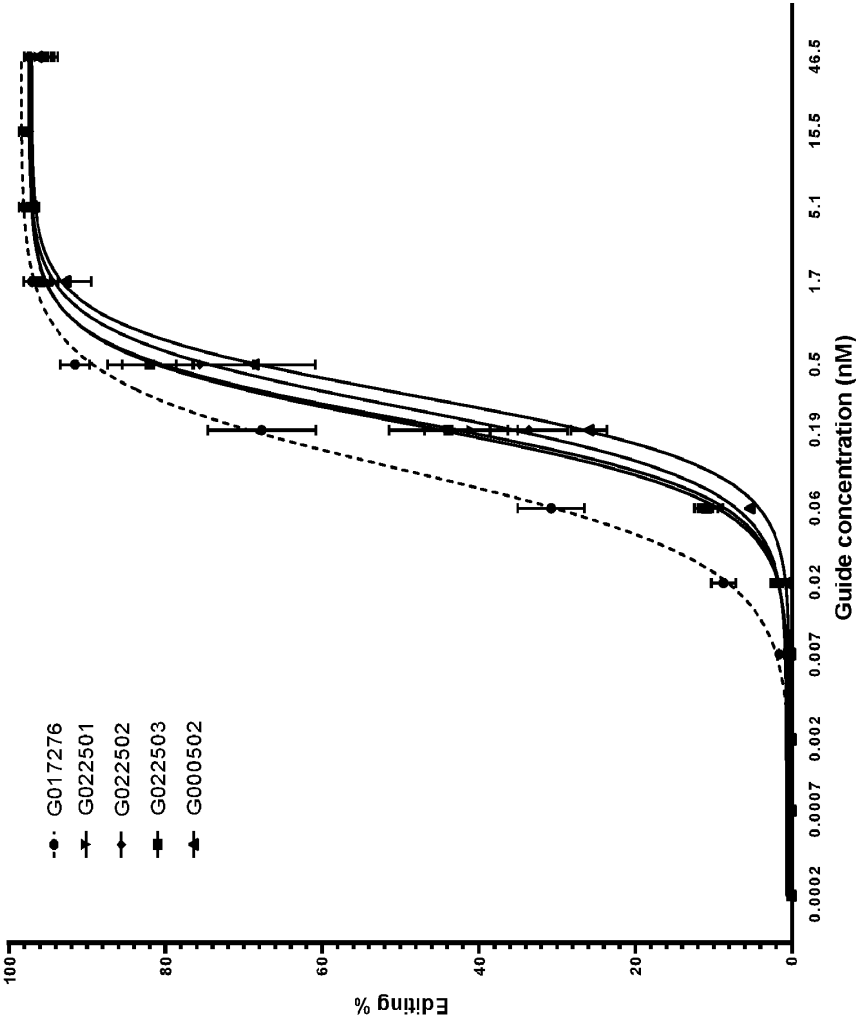


Fig. 4A

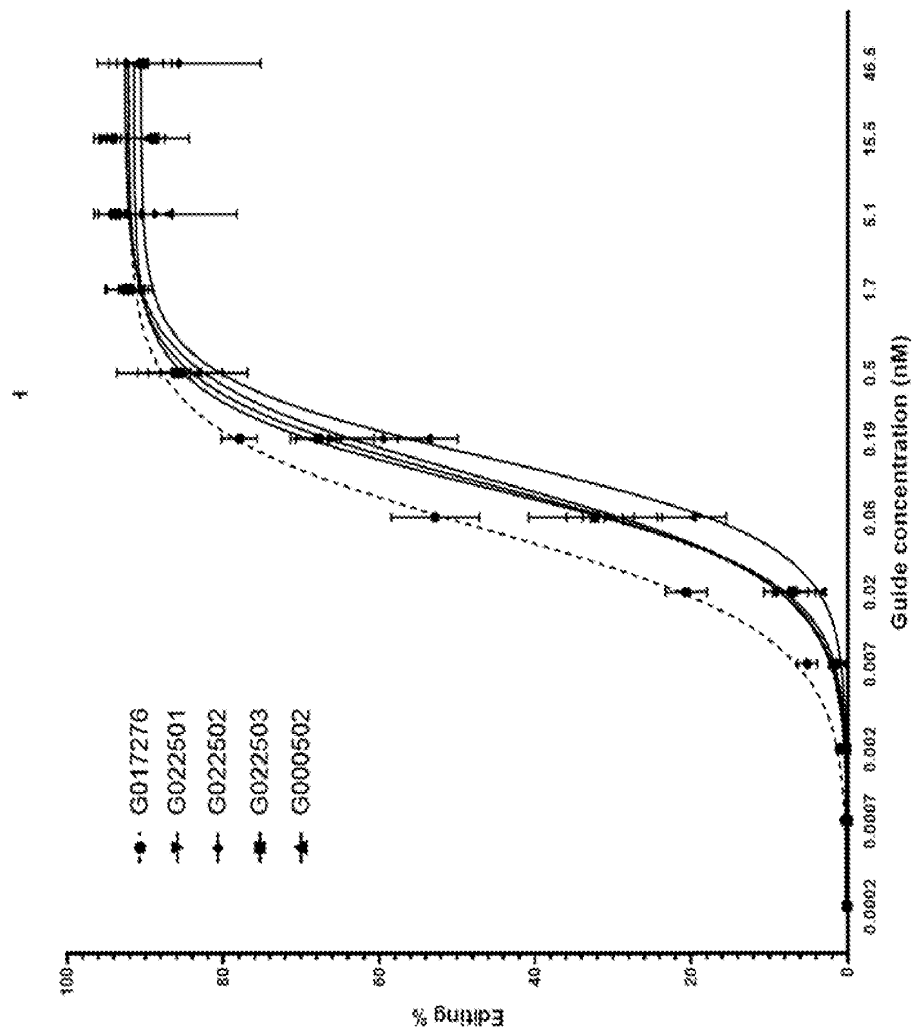


Fig. 4B

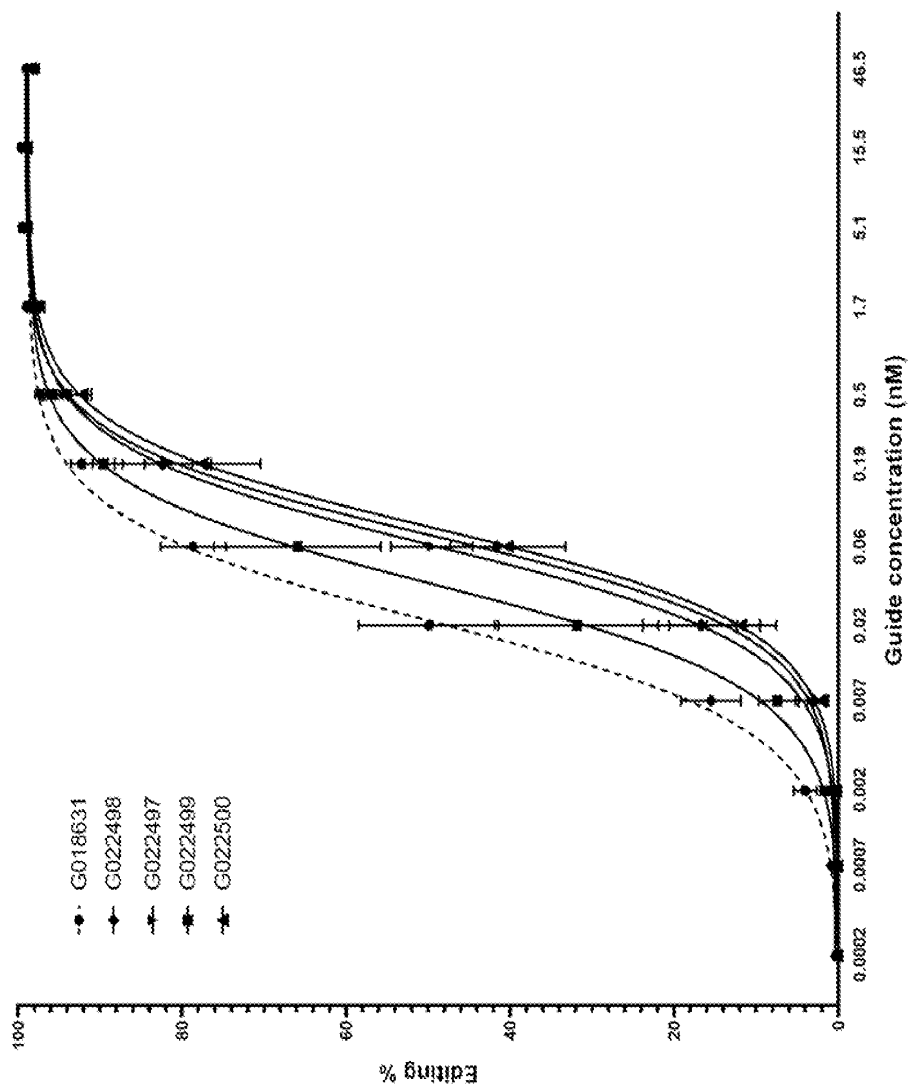


Fig. 4C

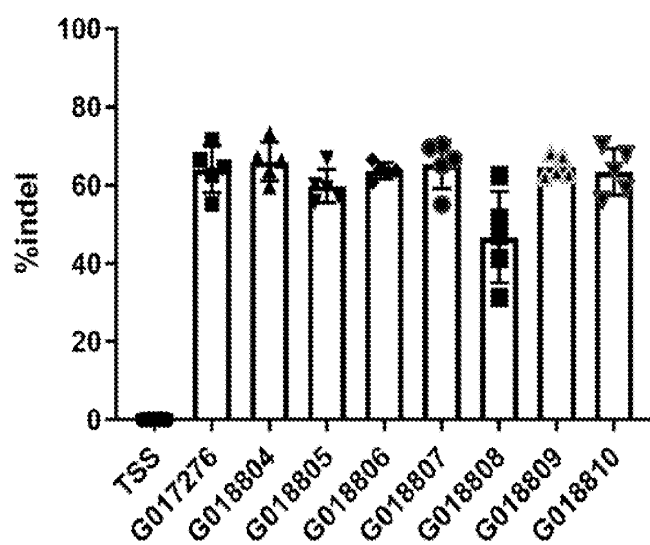


Fig. 5A

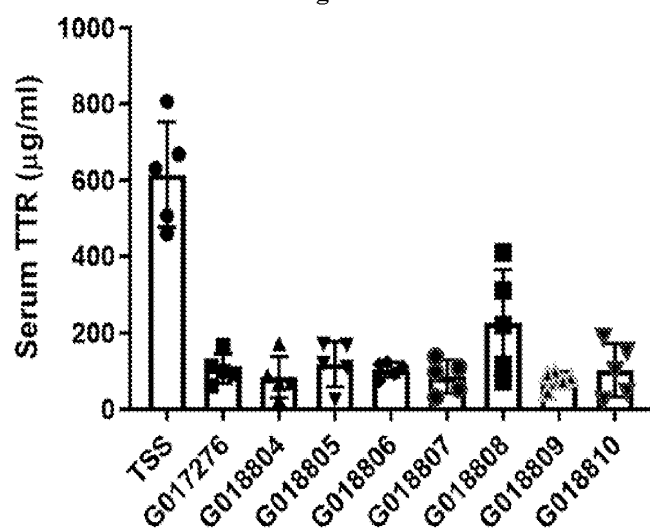


Fig. 5B

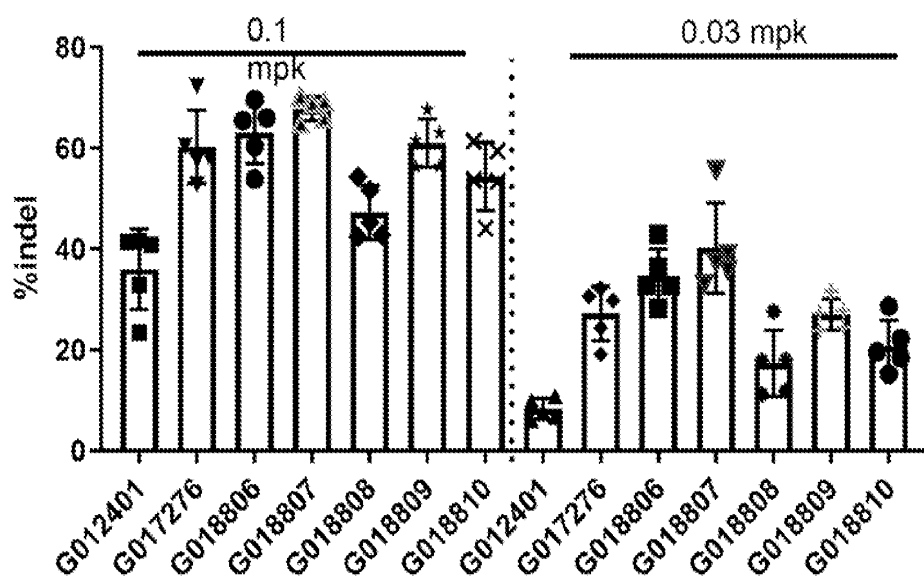


Fig. 6

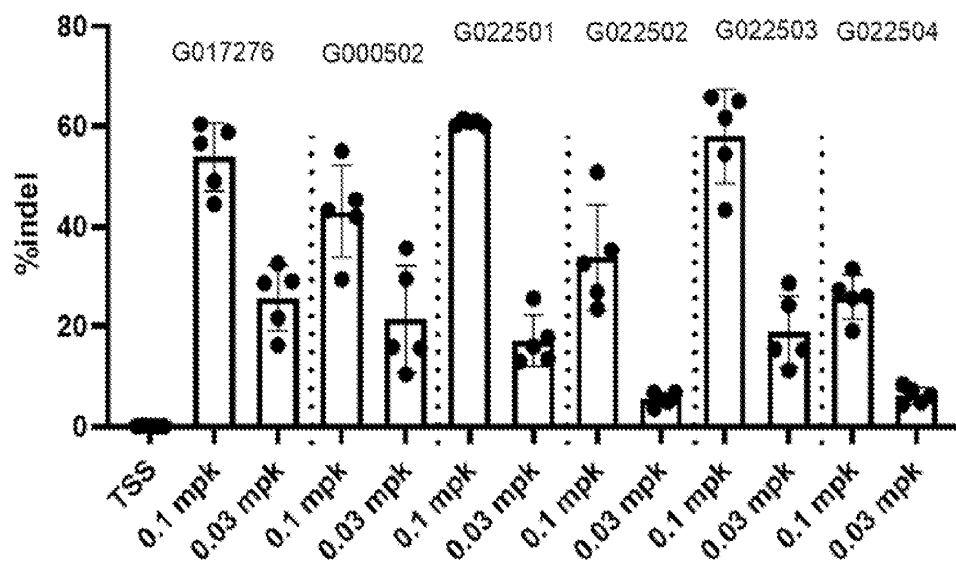


Fig. 7

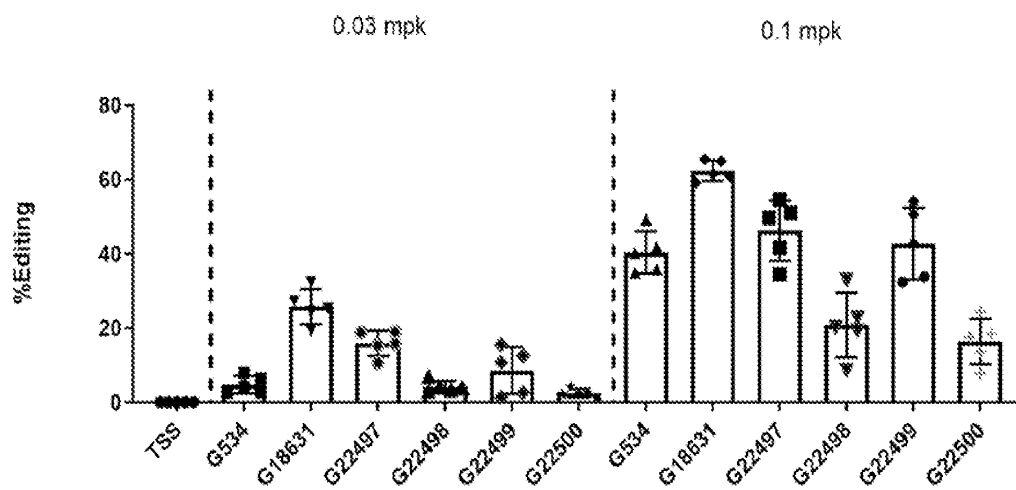


Fig. 8A

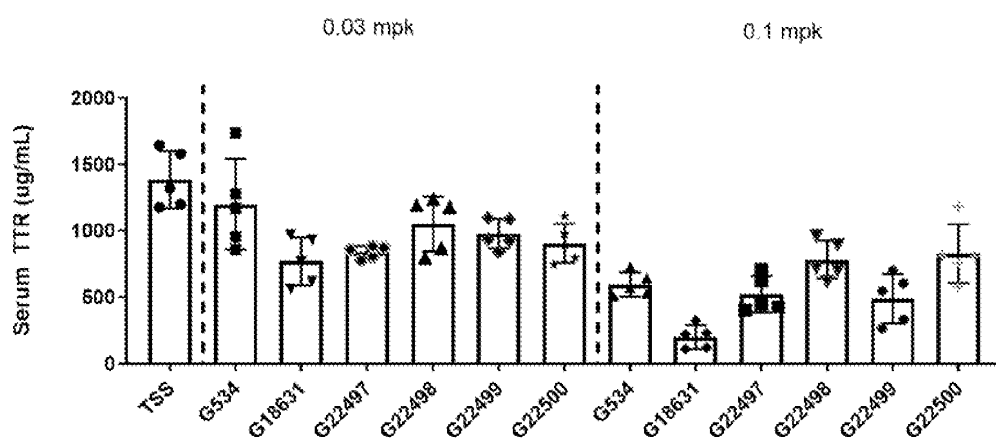


Fig. 8B

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G012401 G502-50	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G017278	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018666 Linker-88-001	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	PEG-X			mU	mA	mG
G018667 Linker-88-002	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-X			mU	mA	mG
G018668 Linker-88-003	G	U	U	U	U	A	G	A	mG	mC	mU	mG		PEG-X				mA	mG
G018669 Linker-88-004	G	U	U	U	U	A	G	A	mG	mC	mU			PEG-X				mA	mG
G018670 Linker-88-005	G	U	U	U	U	A	G	A	mG	mG				PEG-X					mG
G018671 Linker-88-006	G	U	U	U	U	A	G	A	mG	mC	mG			PEG-X					mG
G018672 Linker-88-007	G	U	U	U	U	A	G	A	mG					PEG-X					
G018673 Linker-88-008	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	PEG-Y			mU	mA	mG
G018674 Linker-88-009	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018675 Linker-88-010	G	U	U	U	U	A	G	A	mG	mC	mU	mG		PEG-Y				mA	mG
G018676 Linker-88-011	G	U	U	U	U	A	G	A	mG	mC	mU			PEG-Y				mA	mG
G018677 Linker-88-012	G	U	U	U	U	A	G	A	mG	mC	mG			PEG-Y					mG
G018678 Linker-88-013	G	U	U	U	U	A	G	A	mG	mG				PEG-Y					mG
G018679 Linker-88-014	G	U	U	U	U	A	G	A	mG					PEG-Y					
G018680 Linker-88-015	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018681 Linker-88-016	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018682 Linker-88-017	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018683 Linker-88-018	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018684 Linker-88-019	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018685 Linker-88-020	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018686 Linker-88-021	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018687 Linker-88-022	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
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G018689 Linker-88-024	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018690 Linker-88-025	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018705 Linker-88-040	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018706 Linker-88-041	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018707 Linker-88-042	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018708 Linker-88-043	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	mA	mA	mA	mU	mA	mG
G018691 Linker-88-026	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018692 Linker-88-027	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018693 Linker-88-028	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018694 Linker-88-029	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018695 Linker-88-030	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018696 Linker-88-031	G	U	U	U	U	A	G	A	mG	mC	mU	mA		PEG-Y			mU	mA	mG
G018697 Linker-88-032	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	PEG-Y			mU	mA	mG
G018698 Linker-88-033	G	U	U	U	U	A	G	A	mG	mC	mU	mA	mG	PEG-Y			mU	mA	mG
G018699 Linker-88-034	G	U	U	U	U	A	G	A	mG	mC	mU			PEG-Y				mA	mG
G018700 Linker-88-035	G	U	U	U	U	A	G	A	mG	mC	mU			PEG-Y				mA	mG
G018701 Linker-88-036	G	U	U	U	U	A	G	A	mG	mC	mU	mG		PEG-Y				mA	mG
G018702 Linker-88-037	G	U	U	U	U	A	G	A	mG	mC	mU	mG		PEG-Y				mA	mG

Fig. 9

64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	PMH	PCN	PHH
U	A	U	C	A		mA	mC	mU	mU	mG	mA						87.1	90.2	52.5
U	A	U	C	A					A	C	U		U				89.65	90.6	54.1
U	A	U	C	A						A		A				g	92.7	87.9	60.3
U	A	U	C	A	A				C	U		U					80.75	85.4	25
U	A	U	C	A	A				C	U		U					88.25	79.1	40.1
U	A	U	C	A	A				C	U		U					89.8	73.4	37.9
U	A	U	C	A	A				C	U		U					81.95	79.2	35.5
U	A	U	C	A	A				C	U		U					62.3	47.7	3.55
U	A	U	C	A	A				C	U		U					67.5	68.2	15.1
U	A	U	C	A	A				C	U		U					55	56.2	7.8
U	A	U	C	A	A				C	U		U					80	89.2	36.1
U	A	U	C	A	A				C	U		U					88.3	85.2	42.1
U	A	U	C	A	A				C	U		U					91.5	82	49.8
U	A	U	C	A	A				C	U		U					84.75	87	42.4
U	A	U	C	A	A				C	U		U					87.55	76.5	45
U	A	U	C	A	A				C	U		U					78.8	81	28.8
U	A	U	C	A	A				C	U		U					57.95	42.3	10.8
U	A	U	C	A	A				C	U		U					12.55	12.3	12
U	A	U	C	A	A				C	U		U					90.7	91.1	52.4
U	A	U	C	A	A				C	U		U					85.95	77.2	37.8
U	A	U	C	A	A				C	PEG-X	U						83.4	79.3	56.6
U	A	U	C	A	A				C	PEG-X							89.7	85.2	65.6
U	A	U	C	A	A				PEG-X	U							88	78	46.8
U	A	U	C	A	A				PEG-X								85.95	87.3	46.1
U	A	U	C	A	A				C	PEG-Y	U						88.65	93.5	51.6
U	A	U	C	A	A				C	PEG-Y							81.3	87.9	57
U	A	U	C	A	A				PEG-Y	U							88.15	85.1	60.3
U	A	U	C	A	A				PEG-Y								87.35	91.9	60.3
U	A	U	C	A				C	PEG-X	G							87.8	88.1	57.7
U	A	U	C	A				C	PEG-Y	G							90.7	90.3	61.5
U	A	U	C	A					PEG-Y								93.1	93.3	52.2
U	A	U	C	A					PEG-X								50.7	71.5	14.2
U	A	U	C	A	A				C	U		U					75.8	90.6	43
U	A	U	C	A	A				C	U		U					81.6	86.4	49.2
U	A	U	C	A	A					PEG-X					U		81.7	82.5	42
U	A	U	C	A	A					PEG-Y					U		87.8	91.3	42.5
U	A	U	C	A	A					PEG-X					U		89.6	84.1	28.1
U	A	U	C	A	A					PEG-Y					U		78.7	87.3	36.4
U	A	U	C	A	A					PEG-X					U		72.85	82.8	27.2
U	A	U	C	A	A					PEG-Y					U		87.95	90	50.1
U	A	U	C	A	A					PEG-X					U		76.05	82.1	34.3
U	A	U	C	A	A					PEG-Y					U		85.75	84.3	41.7
U	A	U	C	A	A					PEG-X					U		80.1	77.5	26.1
U	A	U	C	A	A					PEG-Y					U		86.35	85	32.9

Fig. 9 (cont.)

SUBSTITUTE SHEET (RULE 26)

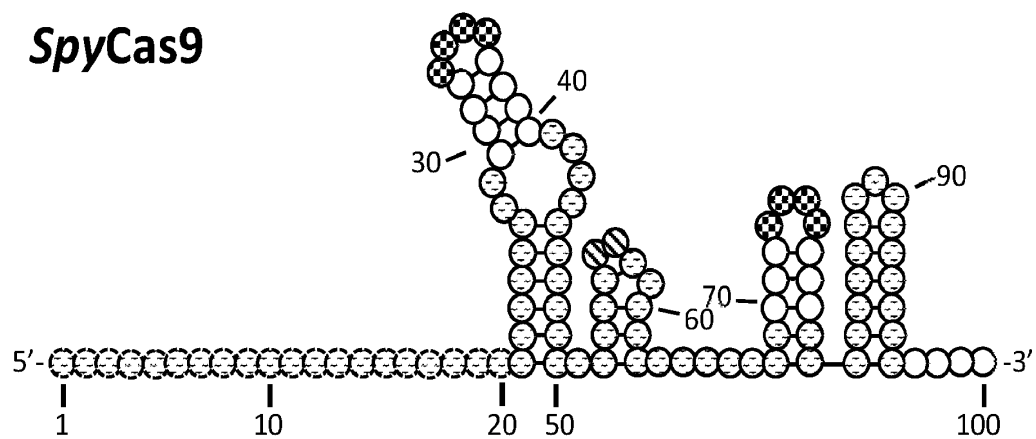


Fig. 10A

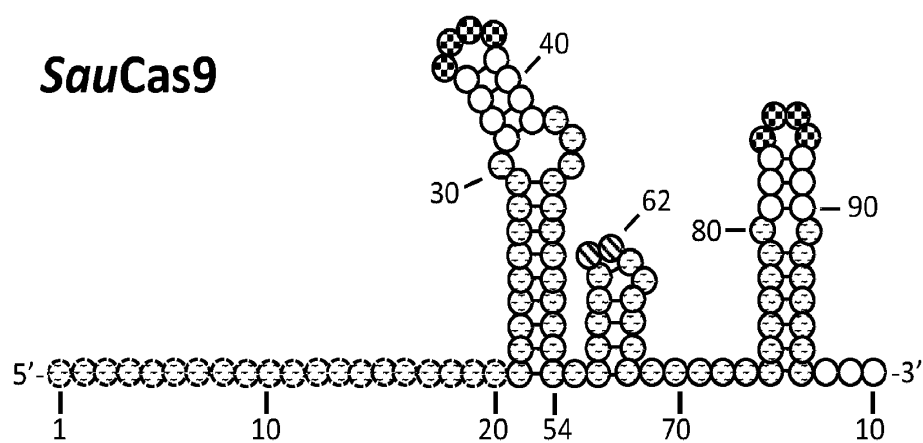


Fig. 10B

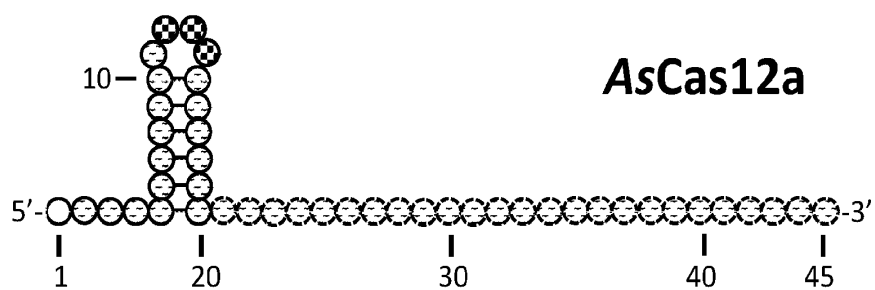


Fig. 10C

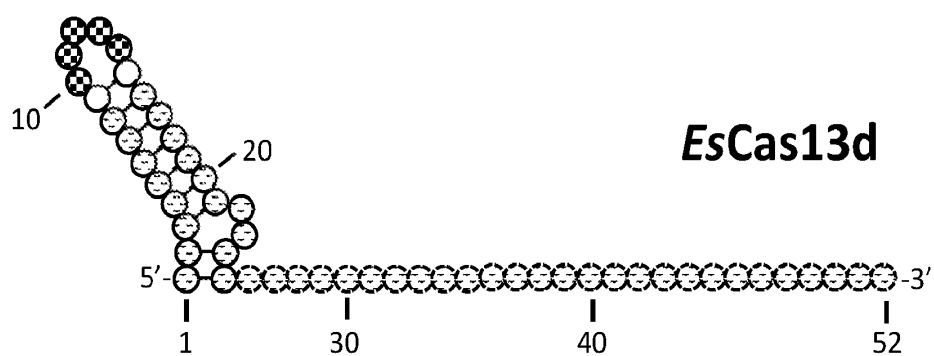


Fig. 10D

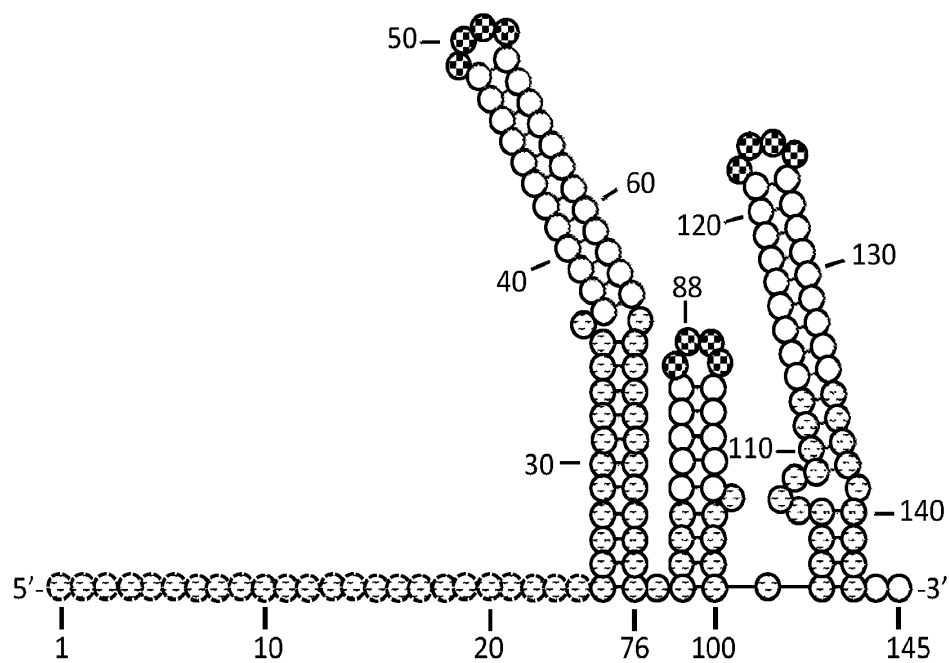


Fig. 10E

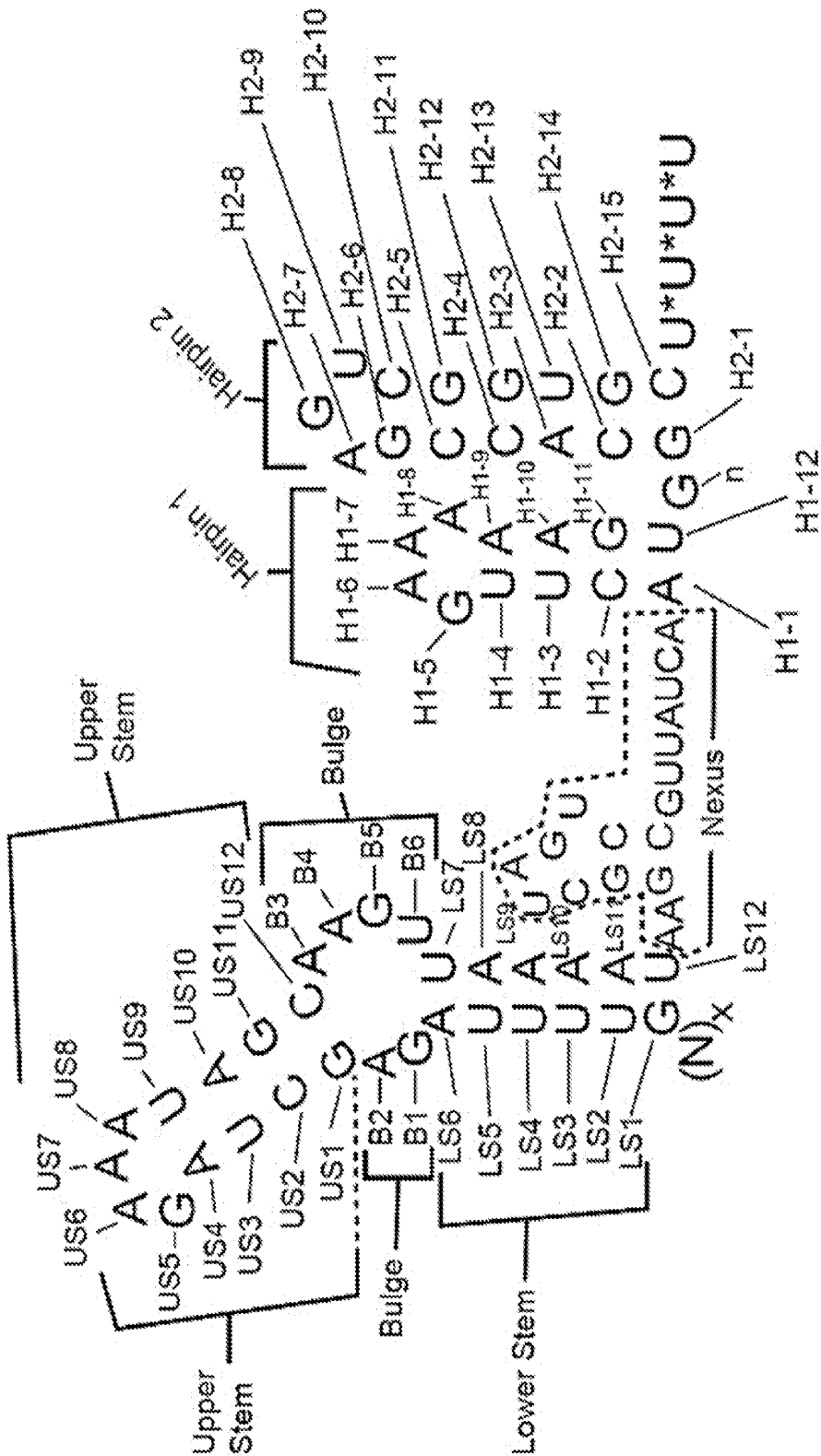


Fig. 11

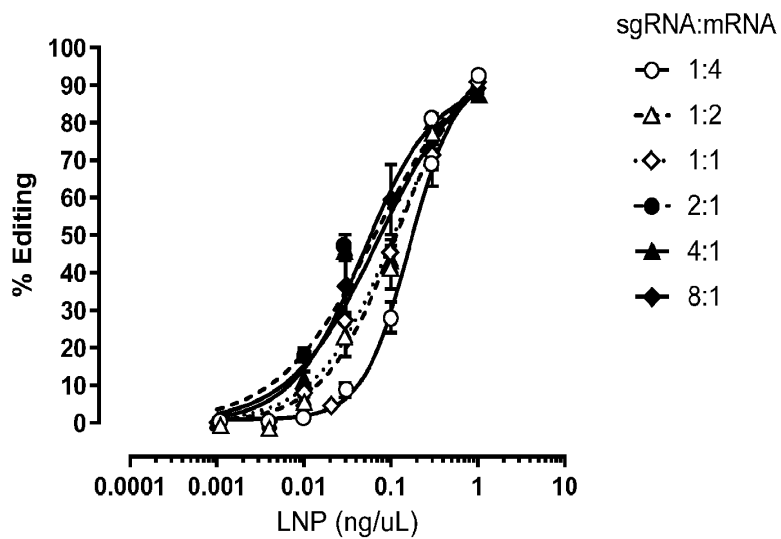


Fig. 12A

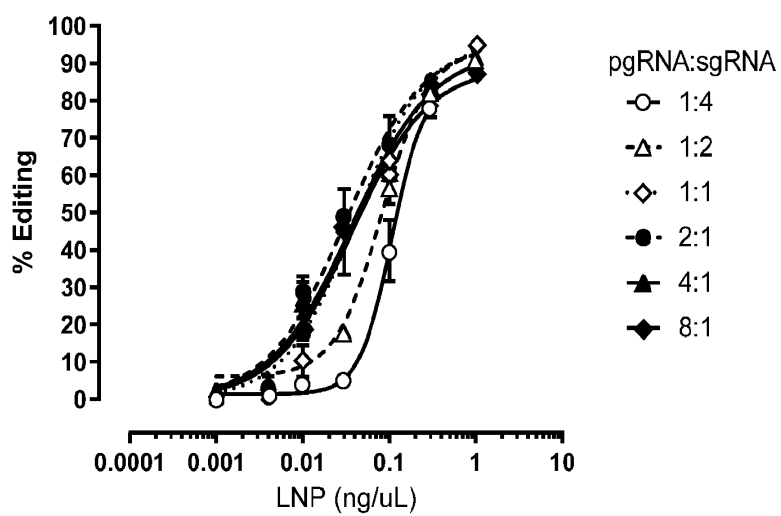


Fig. 12B

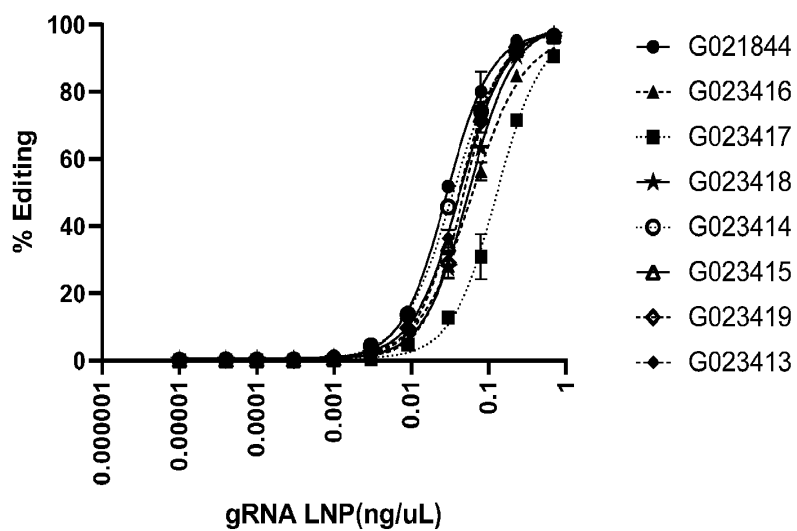


Fig. 13

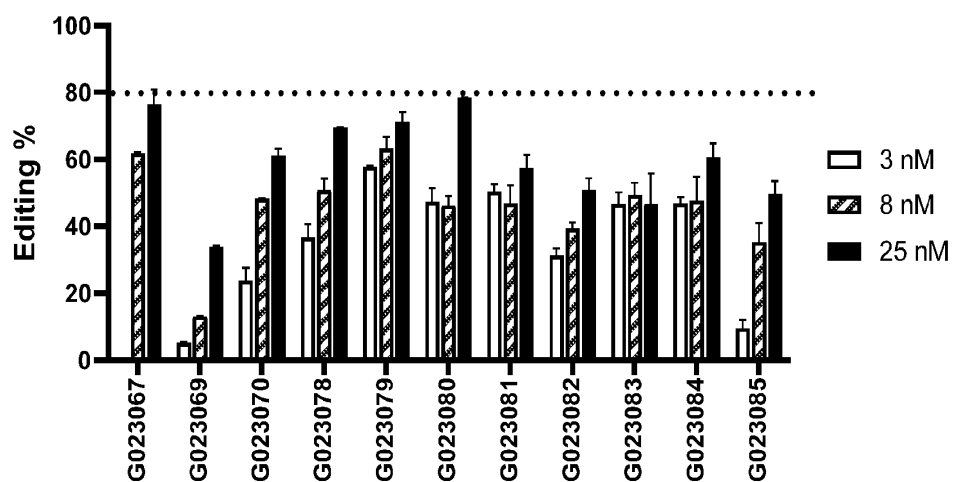


Fig. 14A

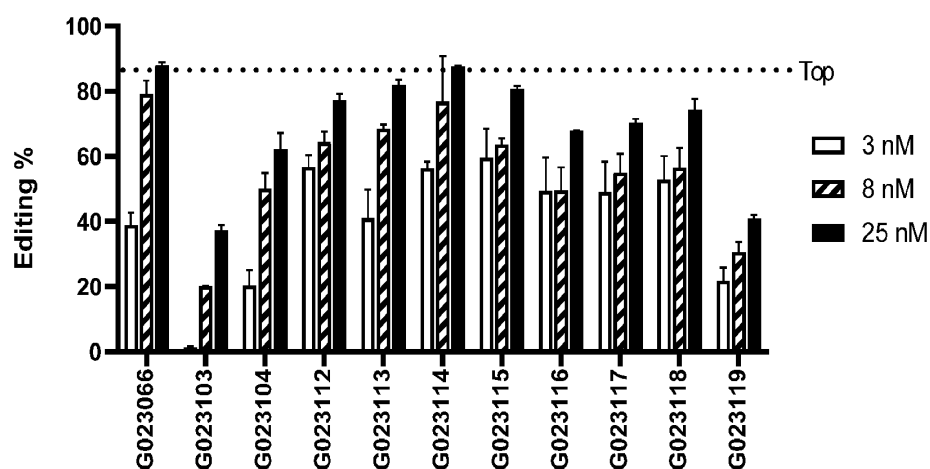


Fig. 14B

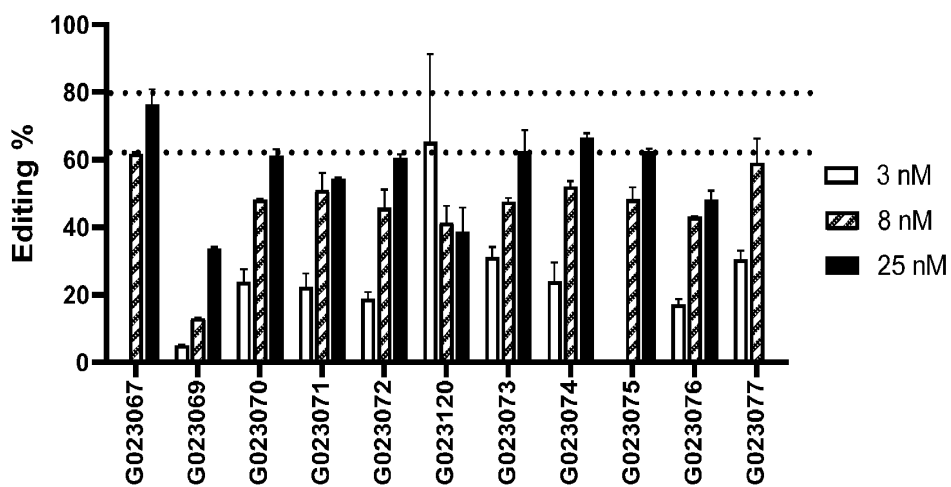


Fig. 14C

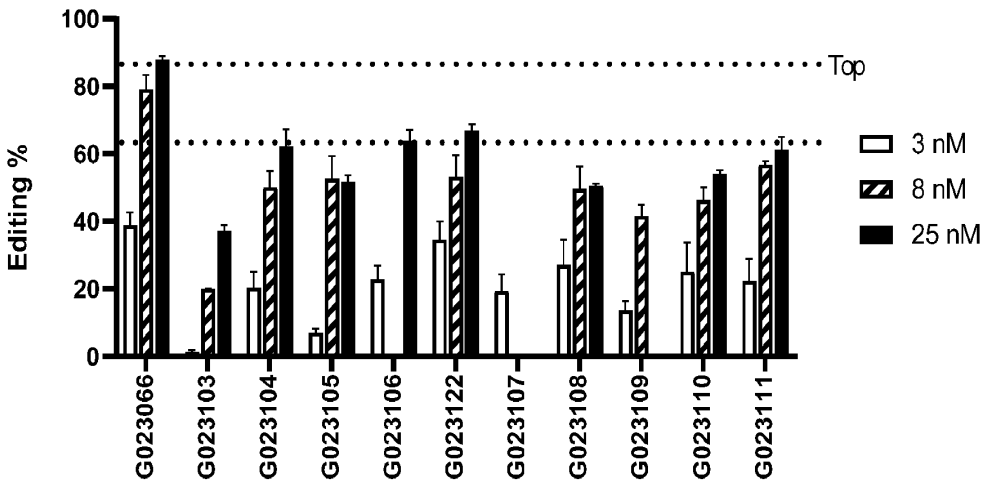


Fig. 14D

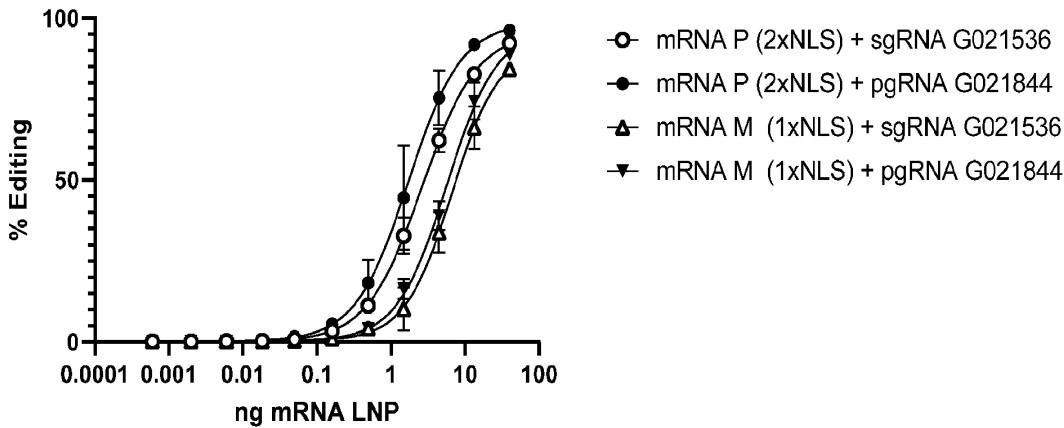


Fig. 15

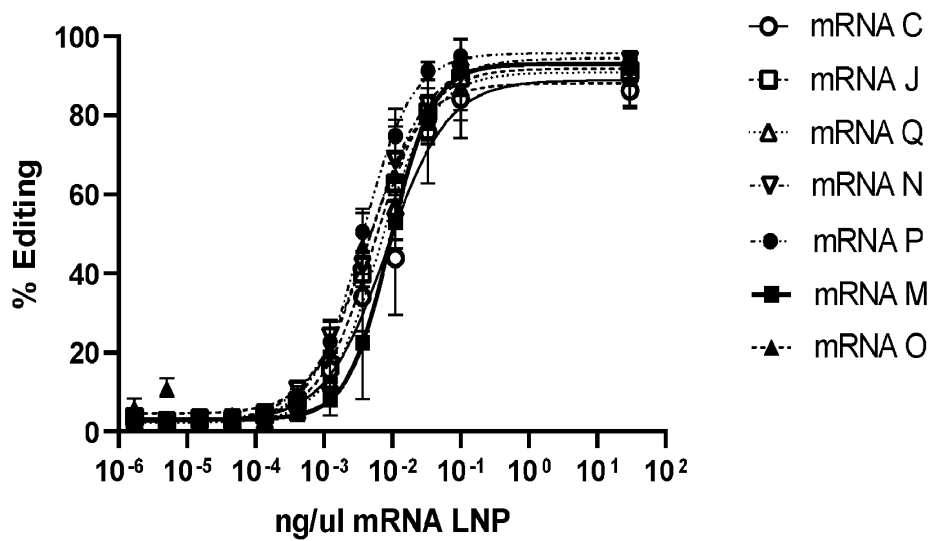


Fig. 16

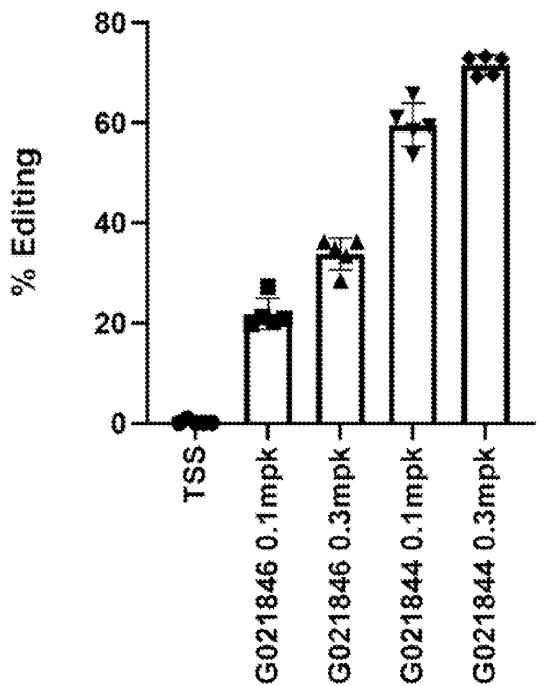


Fig. 17A

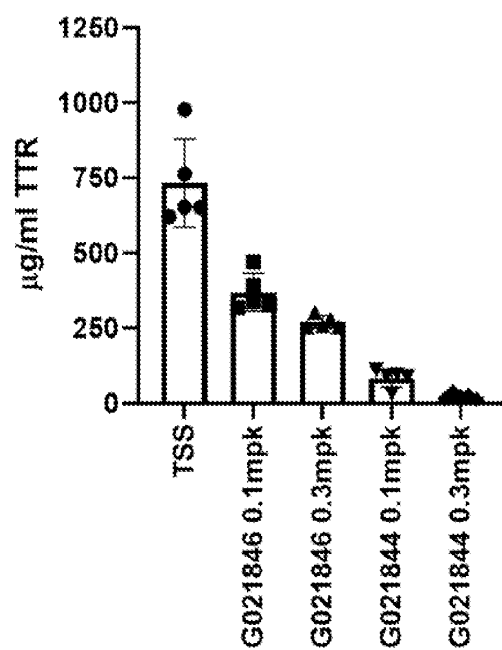


Fig. 17B

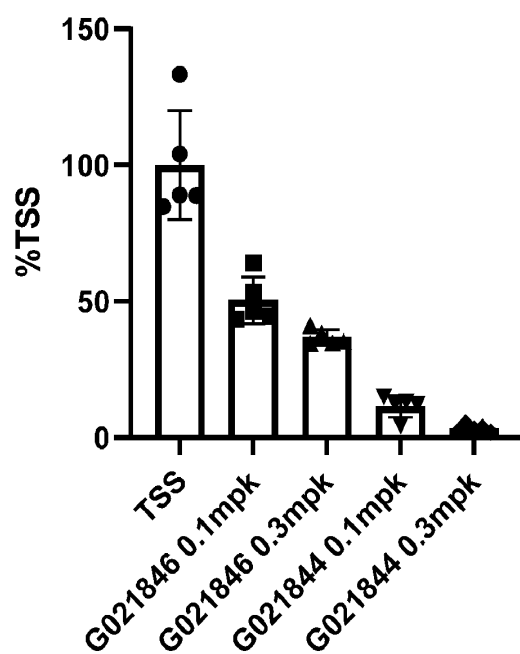


Fig. 17C

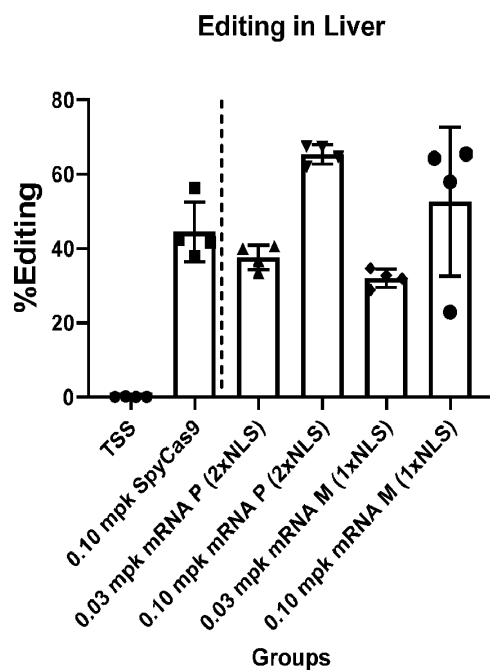


Fig. 17D

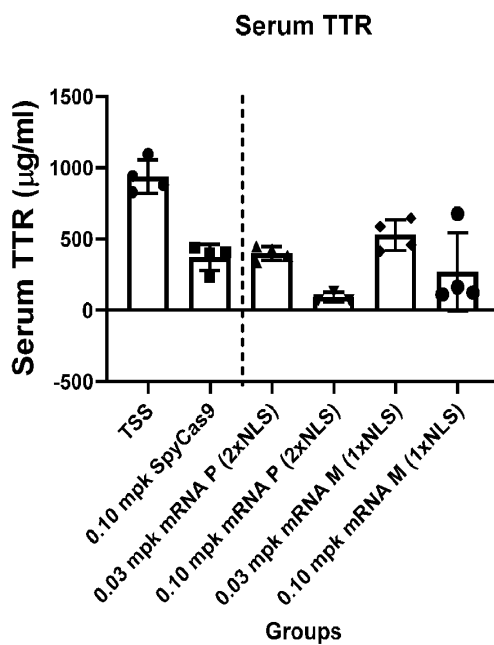


Fig. 17E

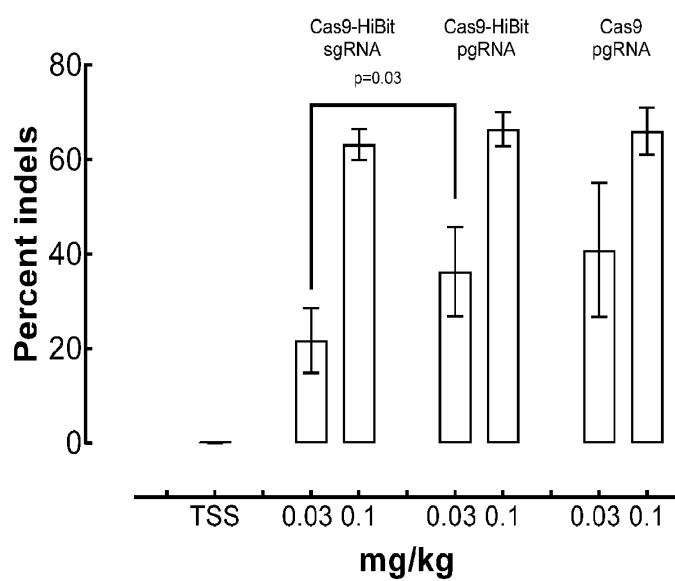


Fig. 18

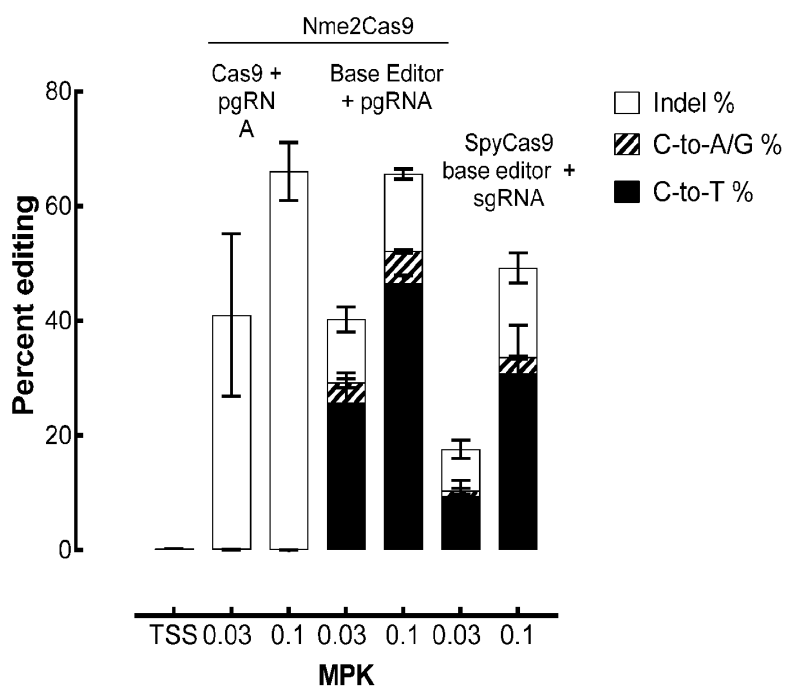


Fig. 19

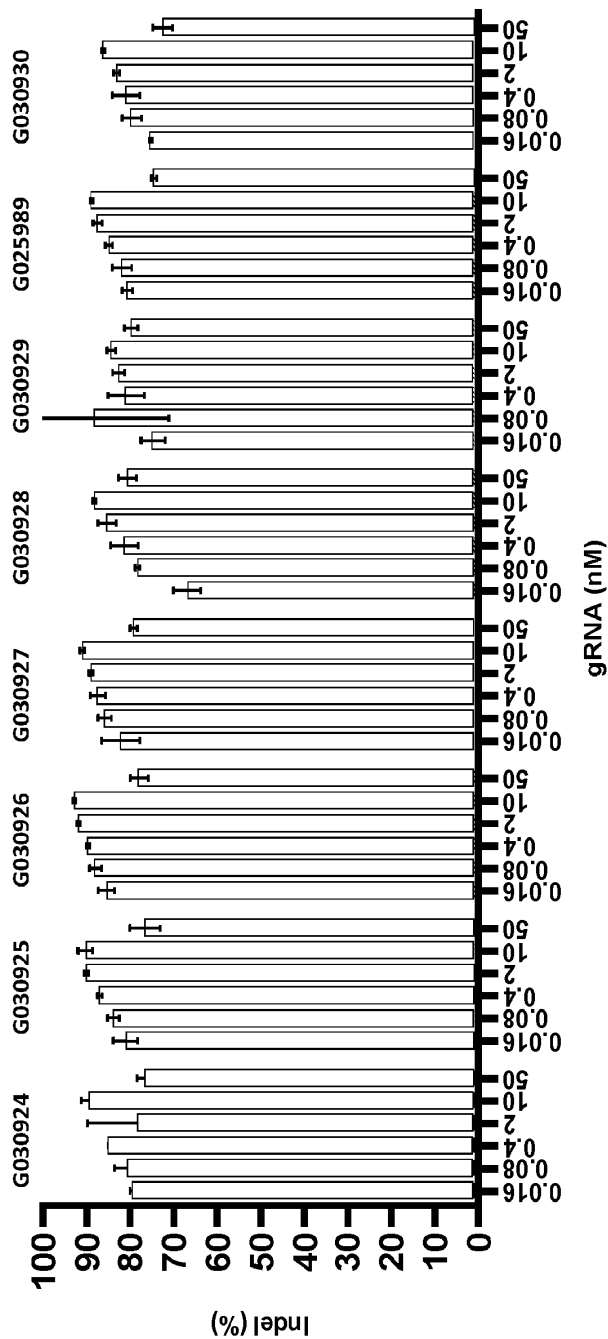


Fig. 20