

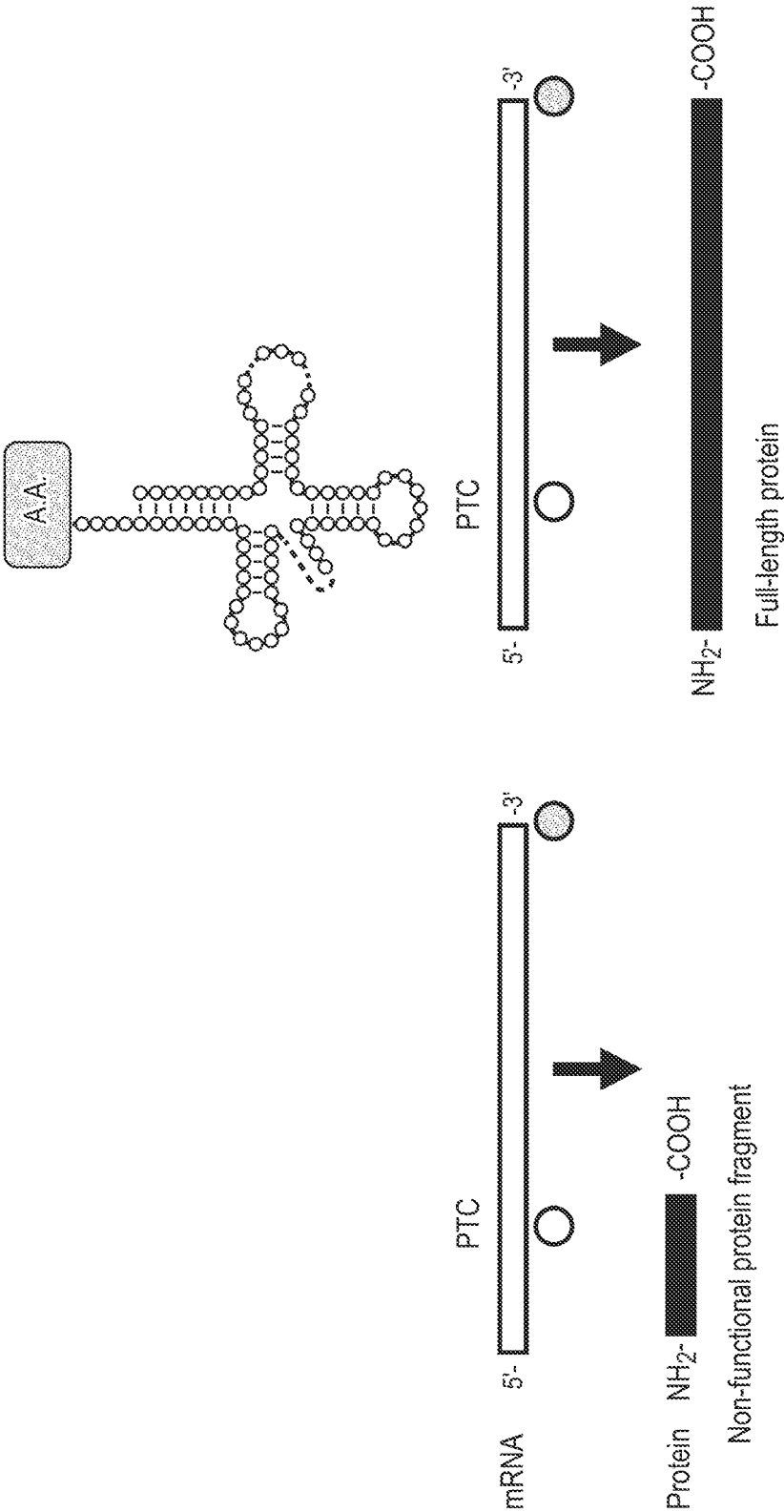


FIG. 1

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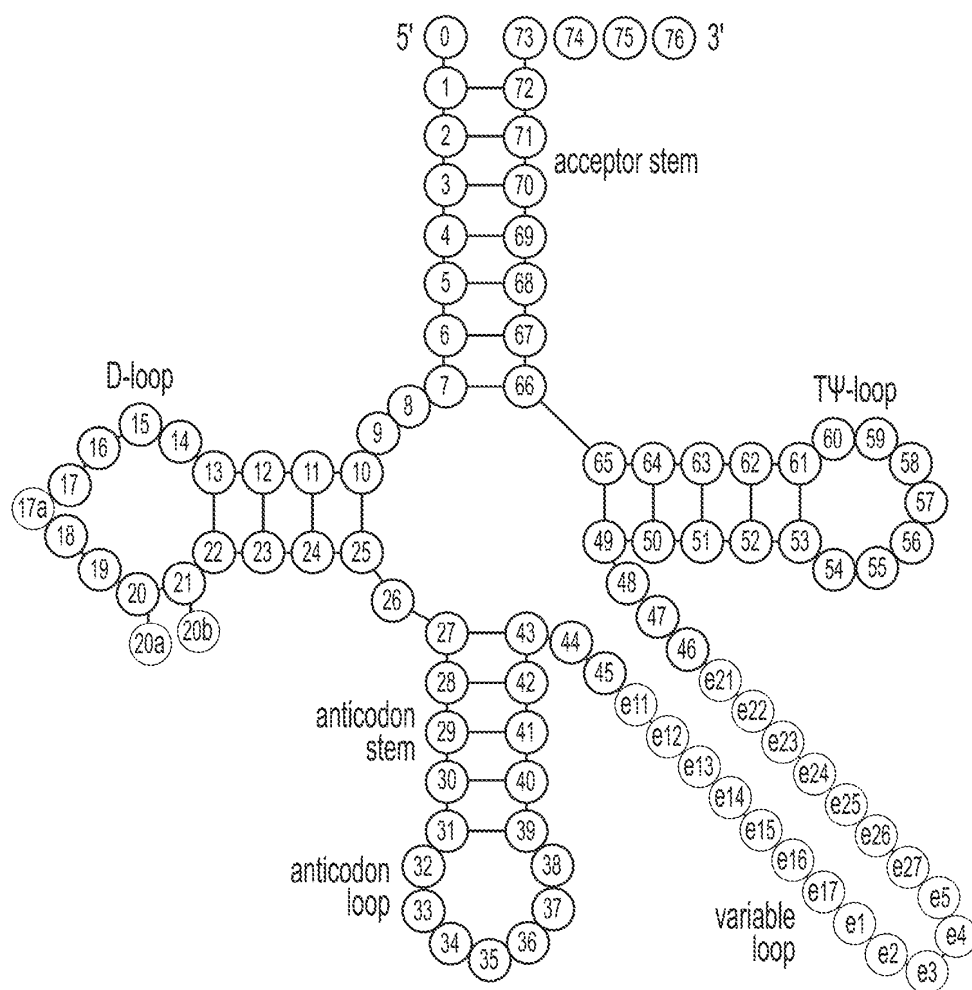


FIG. 2A

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position	residues	ratios	position	residues	ratios
0	Gm/G	1/4	35	ψ/U	7/50
1	ψ/U	3/14	36	ψ/xU/U	2/3/50
4	Am/A	2/28	37	m ¹ I/ms ² t ⁵ A/t ⁶ A/ m ⁶ t ⁶ A/t ⁶ A/xA/A	6/2/22/ 2/48/4/45
4	Um/U	5/45	37	m ¹ G/o ² yW/xG/ yW/G	33/6/2/ 7/1
4	Cm/C	4/51	38	ψ/U	17/1
4	Gm/G	2/41	38	m ⁵ C/xC/C	10/1/26
6	m ² G/G	20/36	39	m ¹ ψ/ψm/ Um/ψ/U	2/6/ 1/79/2
7	m ² G/G	1/69	39	Gm/G	4/32
9	m ¹ A/A	1/69	40	ψ/U	6/1
9	m ¹ G/xG/G	56/1/43	40	m ⁵ C/C	3/139
10	m ² G/G	103/70	44	Um/xU/U	20/2/18
12	ac ⁴ C/C	32/21	e11	ψ/U	2/4
13	ψ/U	47/8	e12	ψ/U	6/11
13	Cm/C	1/83	e14	ψ/U	2/6
14	m ¹ A/xA/A	9/1/165	e2	m ³ C/C	7/7
16	D/U	123/25	46	m ⁷ G/G	86/39
17	D/U	39/0	47	D/xU/U	83/1/16
18	Gm/G	40/138	48	D/U	1/25
20	acp ³ U/D/U	4/118/11	48	m ⁵ C/xC/C	95/1/46
20a	acp ³ U/D/U/ψ/xU/U	6/64/2/2/2	49	xA/A	1/19
20b	D/ψ/U	8/6/2	49	m ⁵ C/xC/C	64/1/13
25	ψ/U	1/28	50	ψ/U	4/45
26	ψ/U	1/24	50	m ⁵ C/C	15/71
26	m ²² G/m ² G/xG/G	90/16/2/8	54	m ⁵ Um/m ⁵ U/ψ/U	16/111/11/17
27	ψ/U	70/10	55	ψ/U	166/12
27	m ²² G/G	3/14	58	m ¹ A/xA/A	151/1/26
28	ψ/U	37/38	64	Ar(p)/A	2/43
30	ψ/U	1/4	64	Gr(p)/xG/G	1/1/87
31	ψ/U	4/2	65	ψ/U	1/32
32	ψm/Um/ψ/U	2/6/24/8	67	ψ/U	2/63
32	Cm/m ³ C/xC/C	40/16/2/80	67	m ² G/G	2/64
34	I/A	32/0	68	ψ/U	1/37
34	s ² U/Um/mchm ⁵ U/ ncm ⁵ U/cmnm ⁵ Um/ mcm ⁵ s ² U/mcm ⁵ U/ ψ/xU/U	1/3/1/ 3/1/ 7/4/ 1/11/5	72	ψ/U	1/16
34	Cm/ψ ⁵ Cm/m ⁵ C/xC/C	8/1/1/2/44	72	m ⁵ C/C	5/132
34	QtRNA/manQtRNA/ galQtRNA/Gm/G	5/4/ 3/17/20			

FIG. 2B

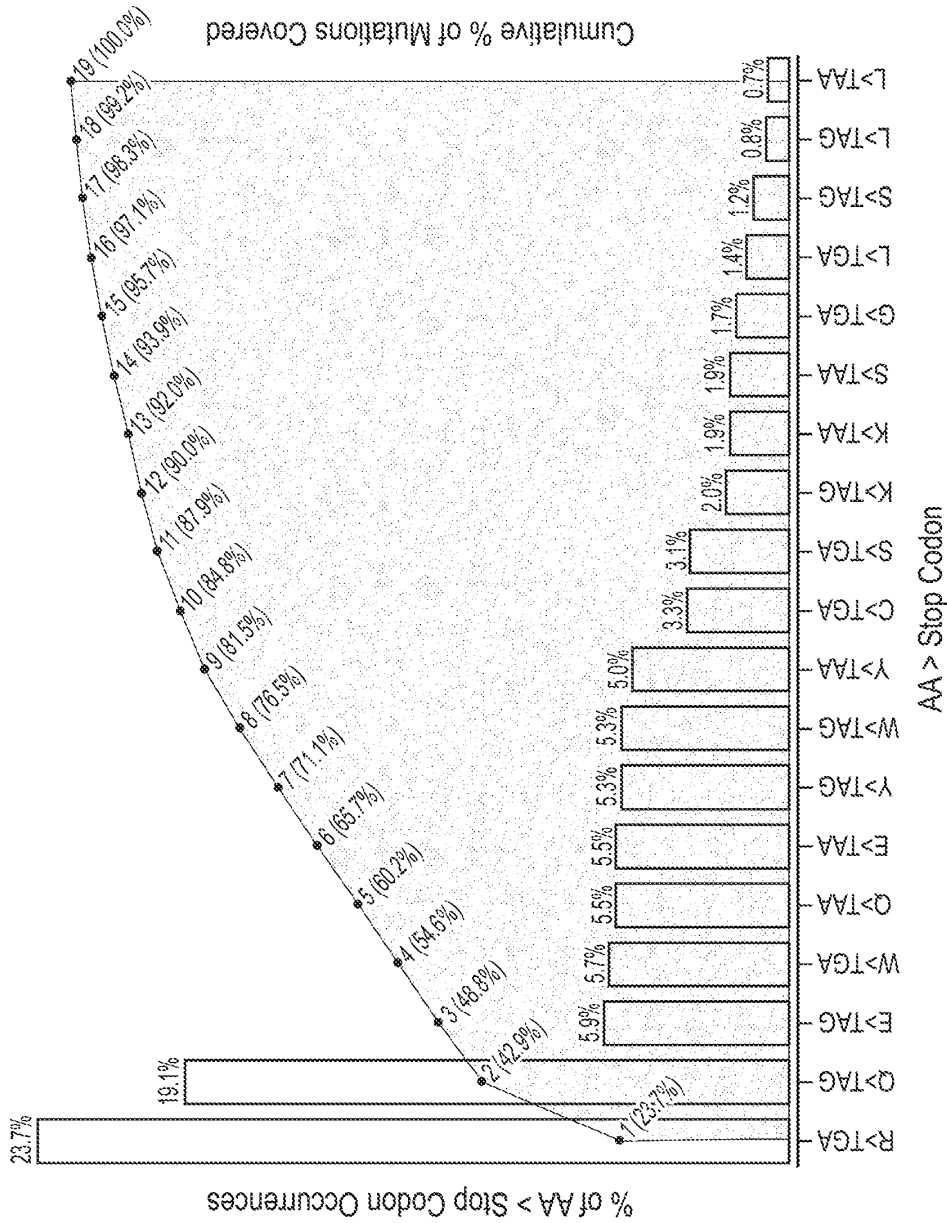


FIG. 3

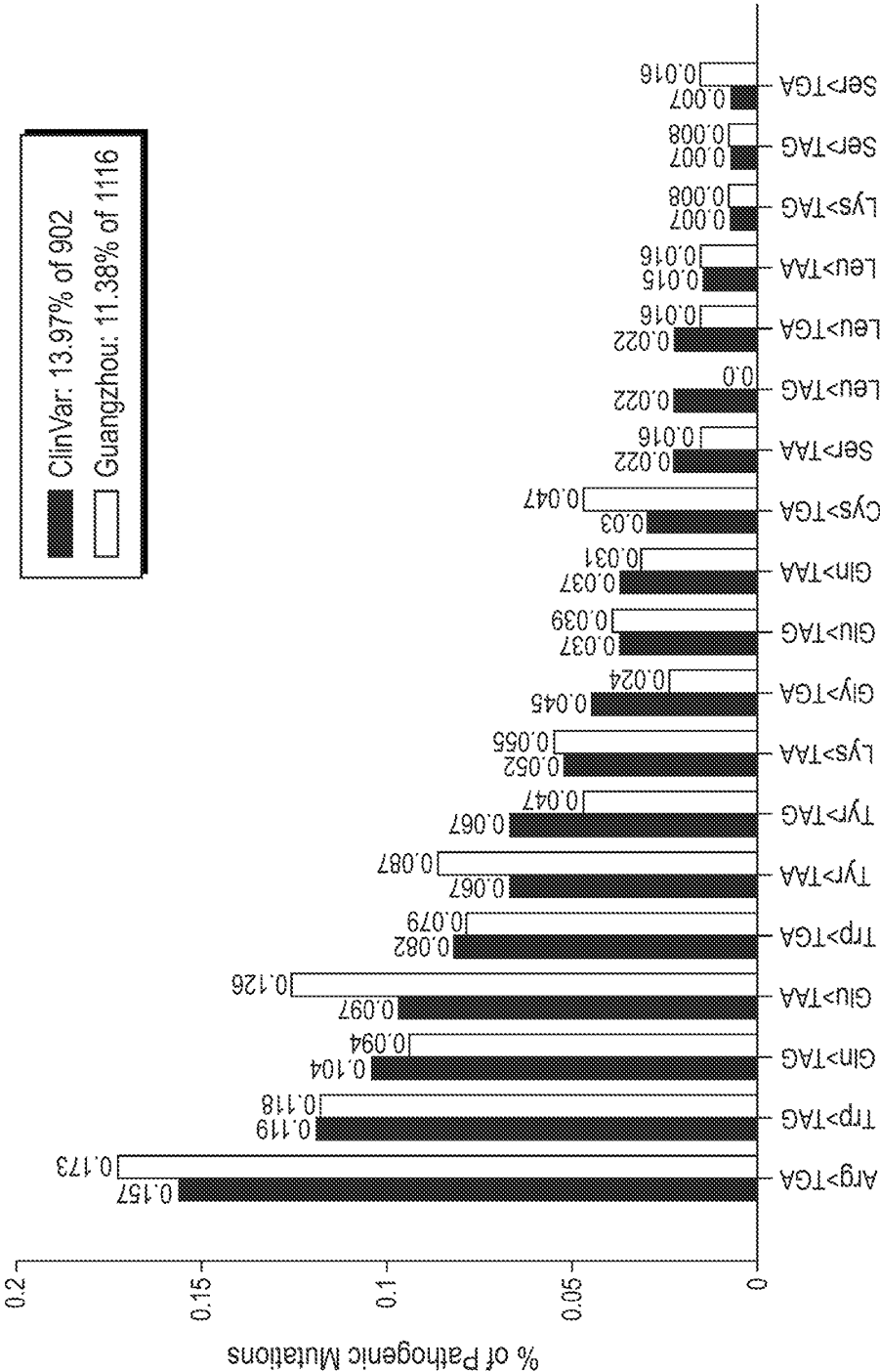


FIG. 4

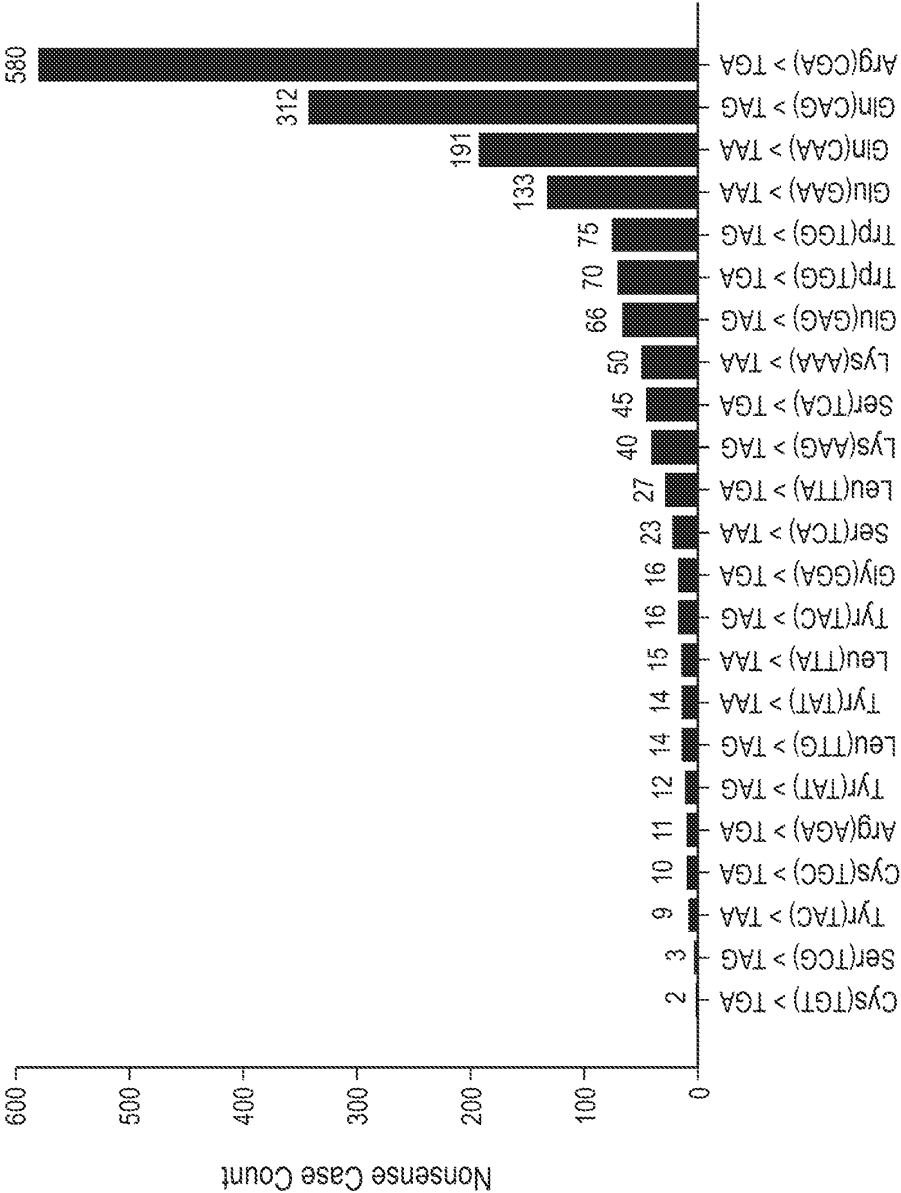


FIG. 5

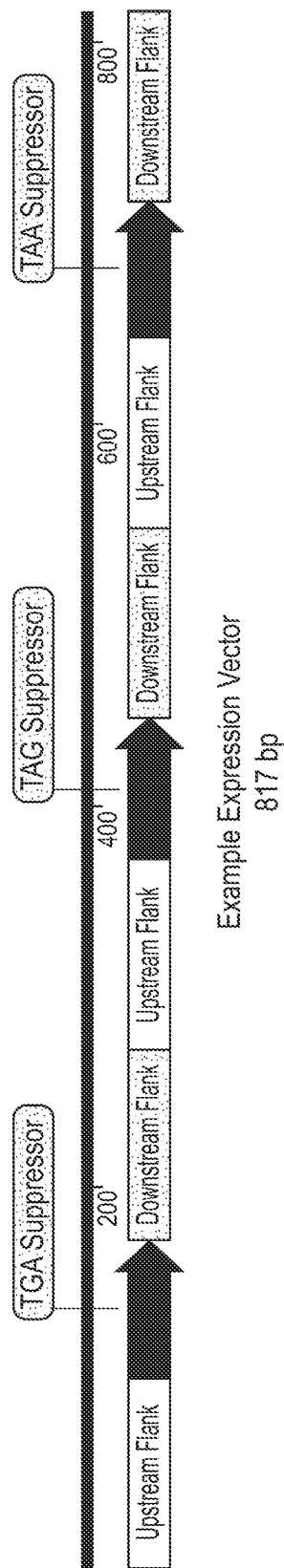


FIG. 6

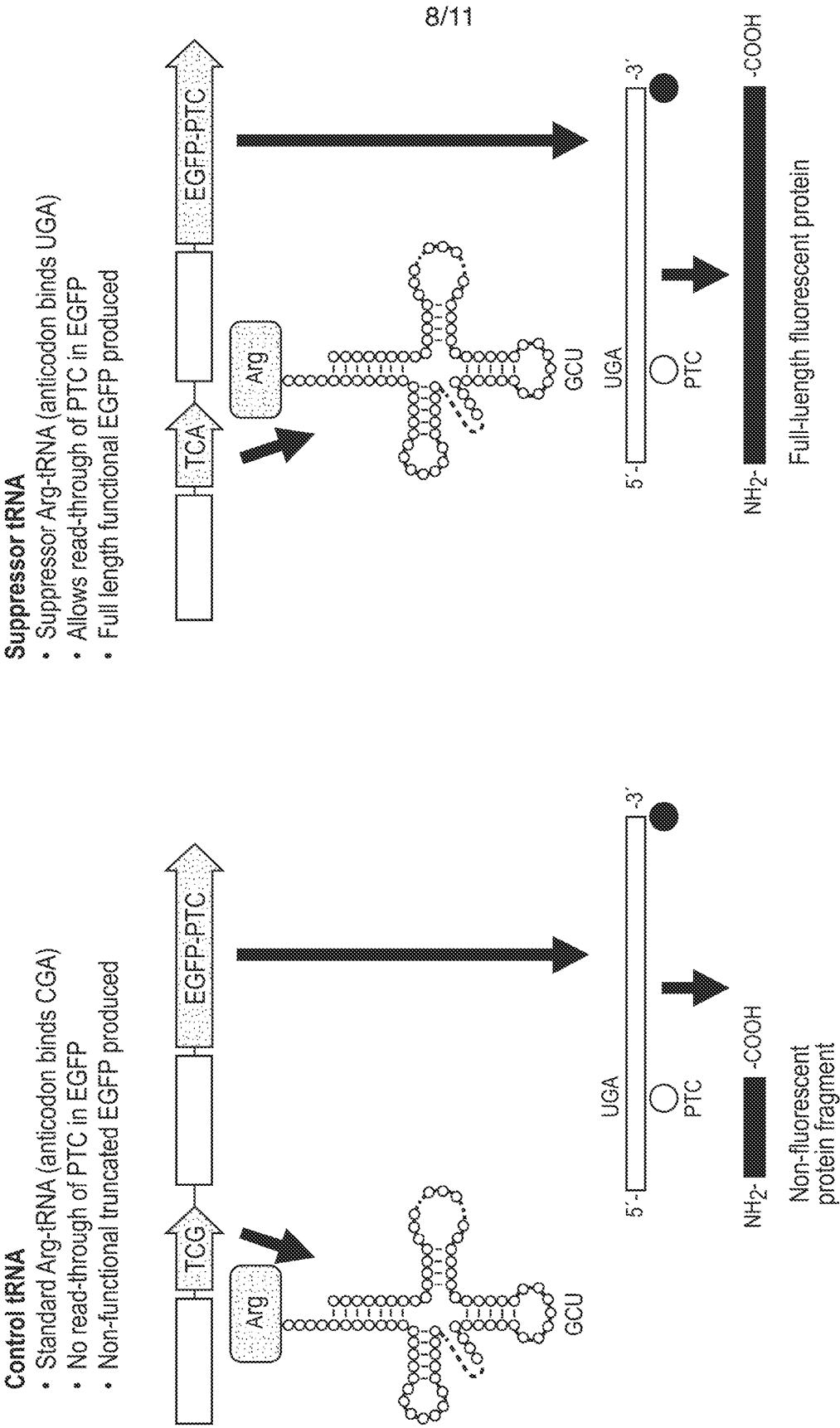


FIG. 7

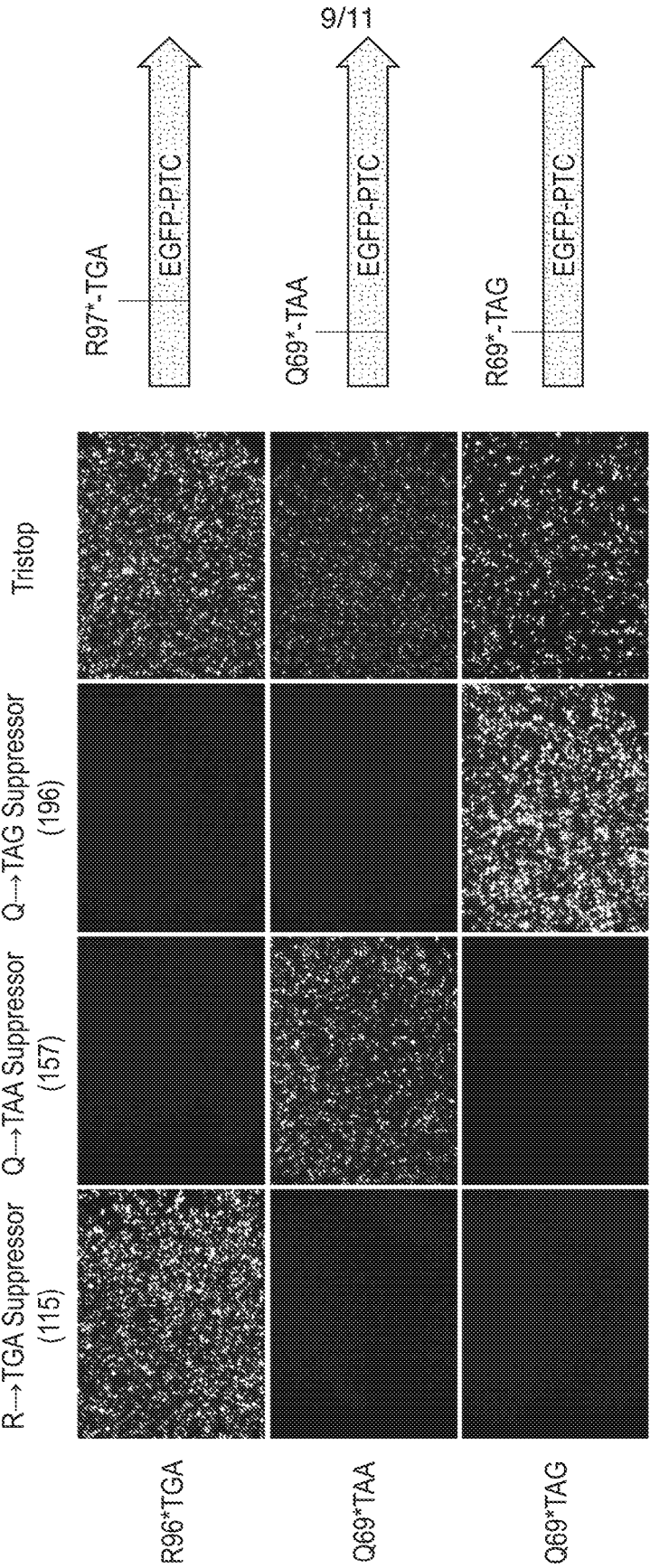


FIG. 8

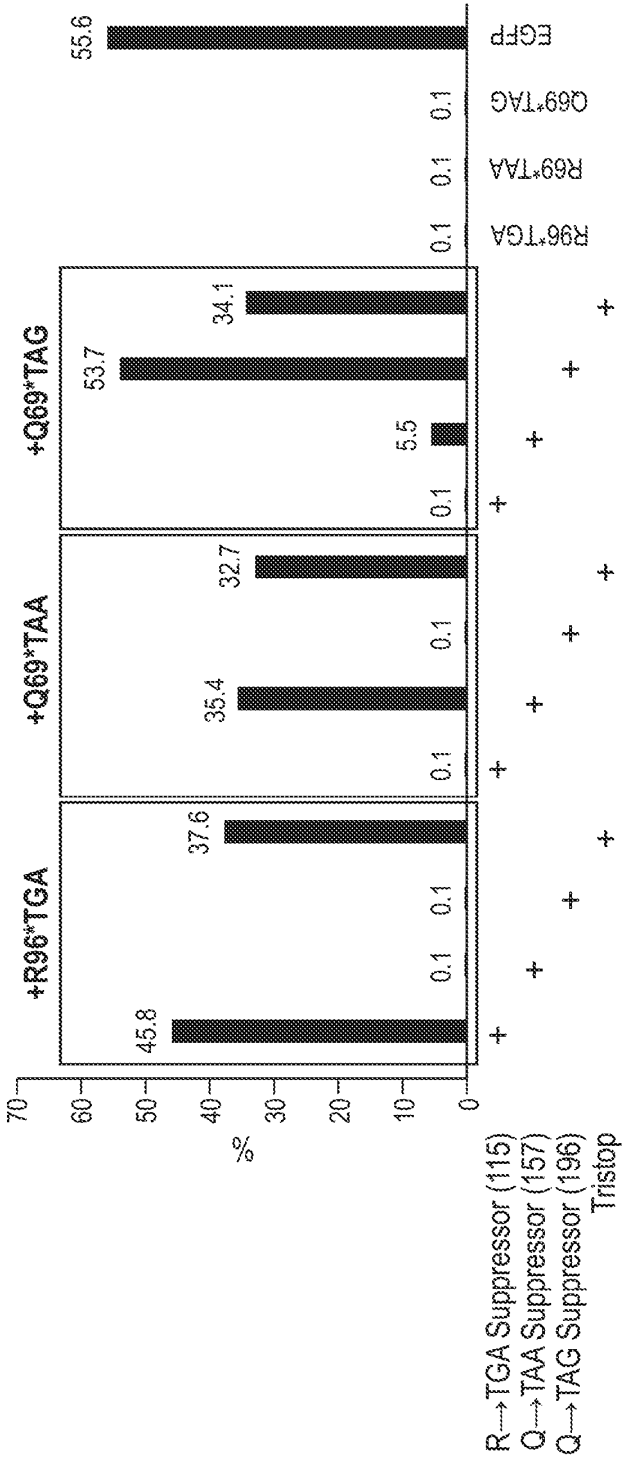


FIG. 9

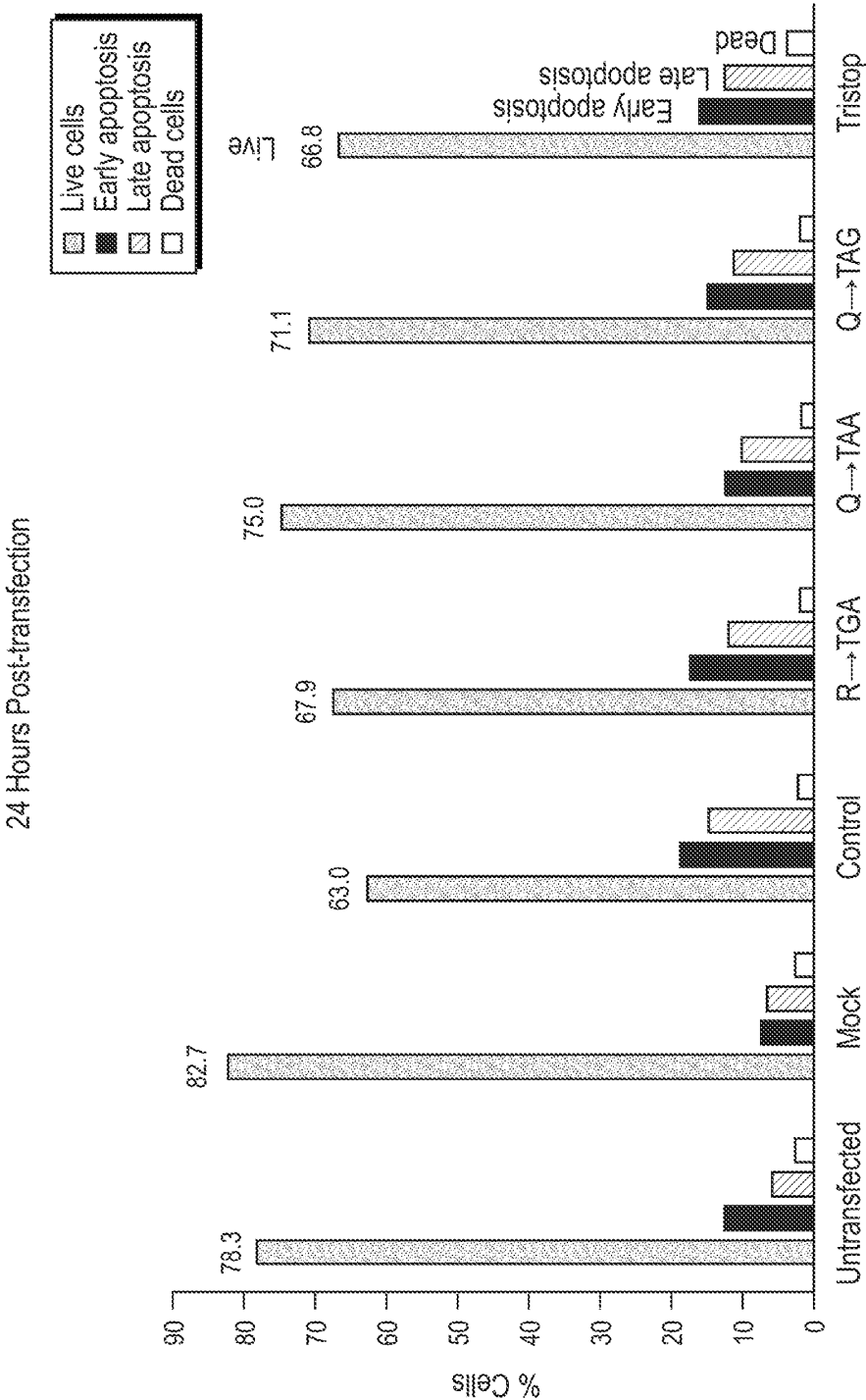


FIG. 10