

FIG. 1

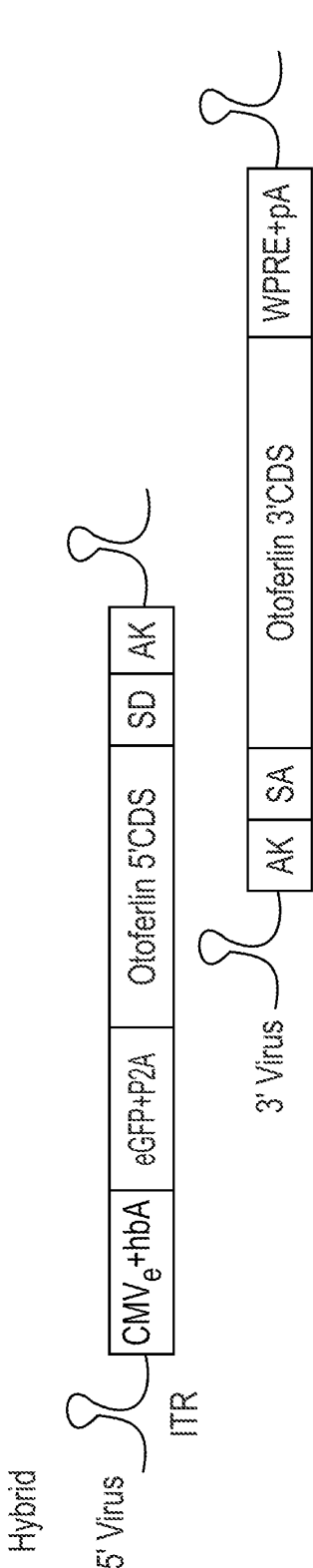


FIG. 2

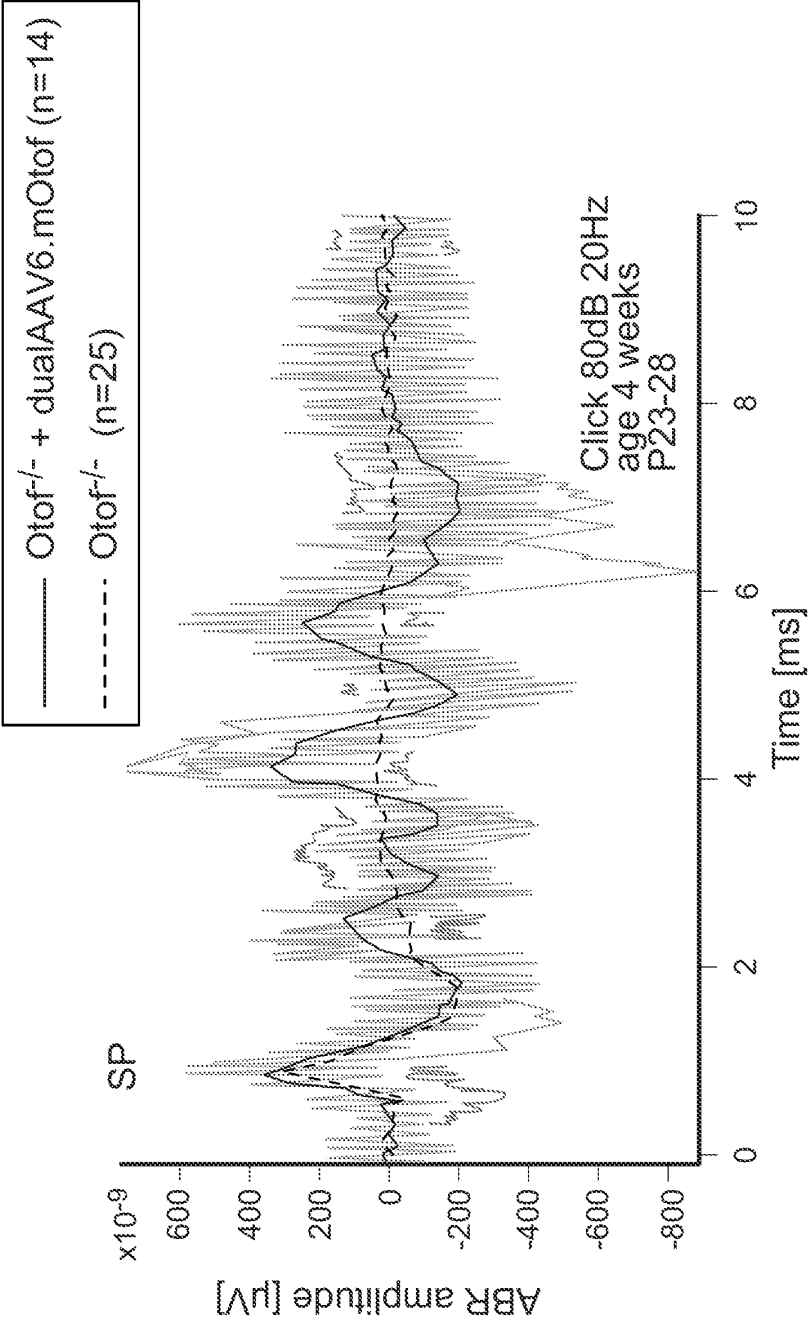


FIG. 3

3/52

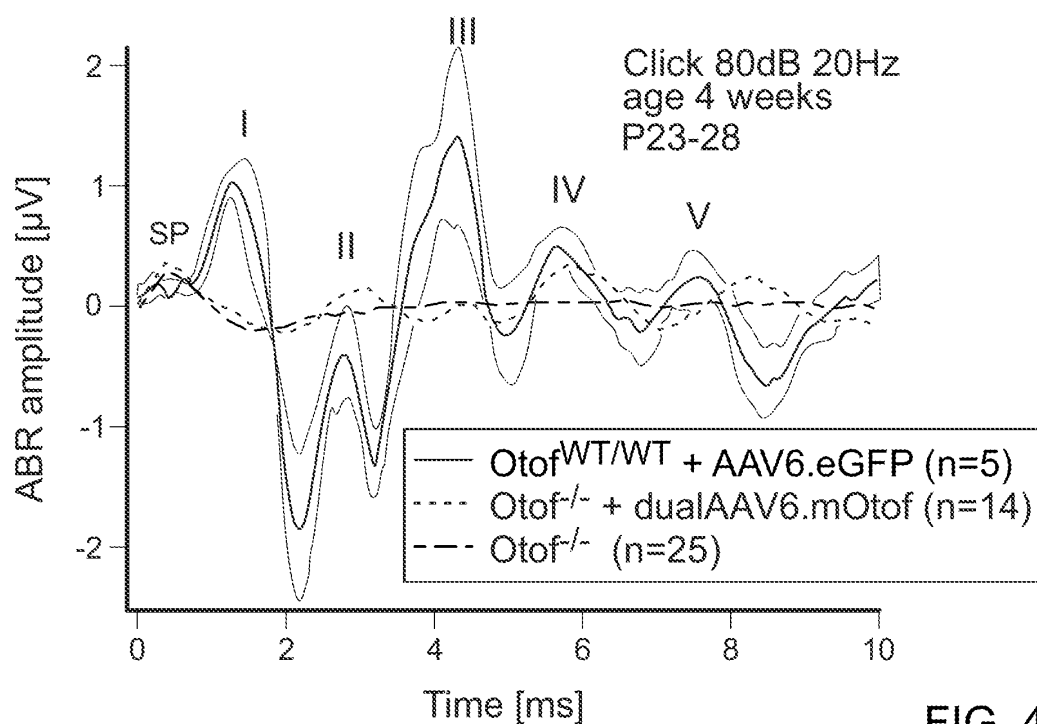


FIG. 4

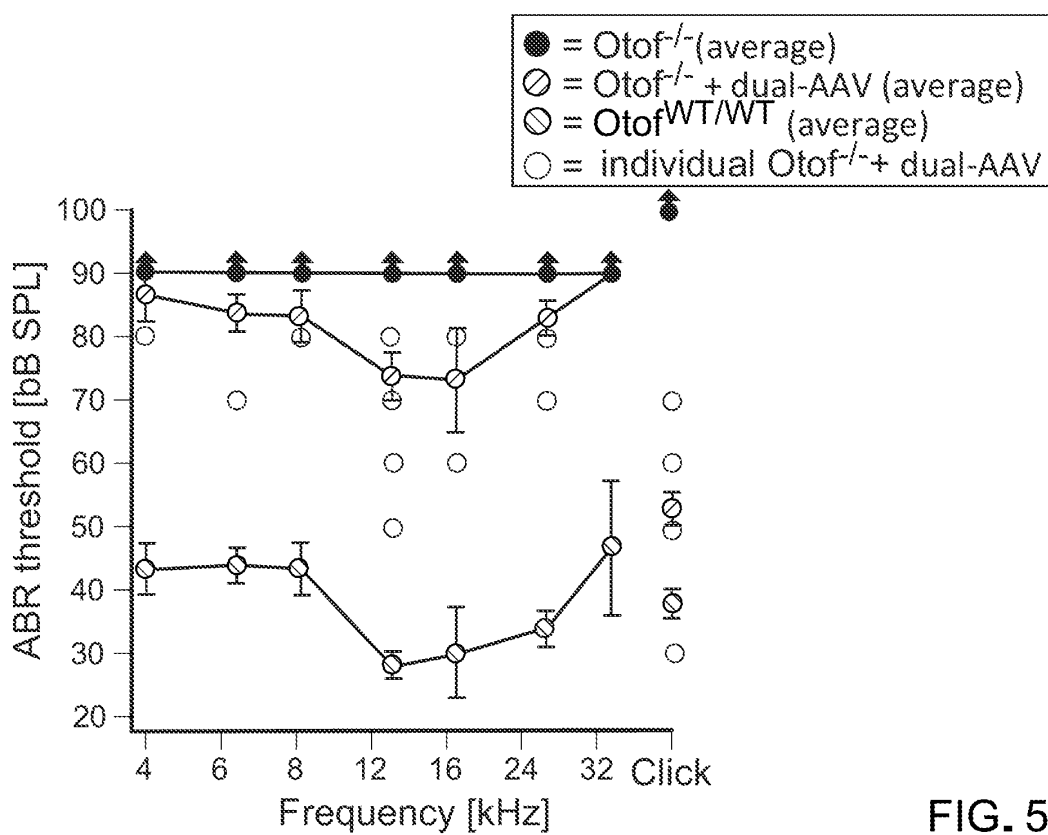


FIG. 5

4/52

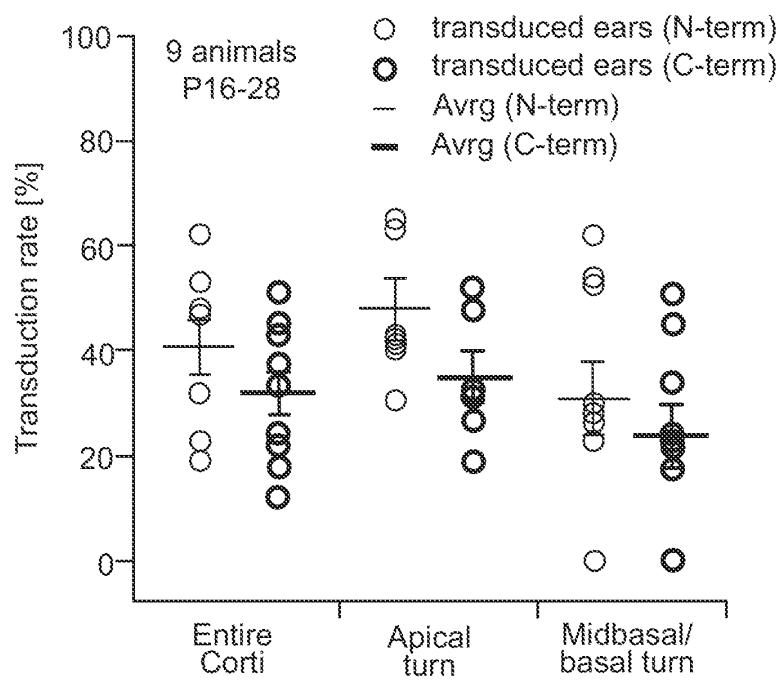


FIG. 6

5/52

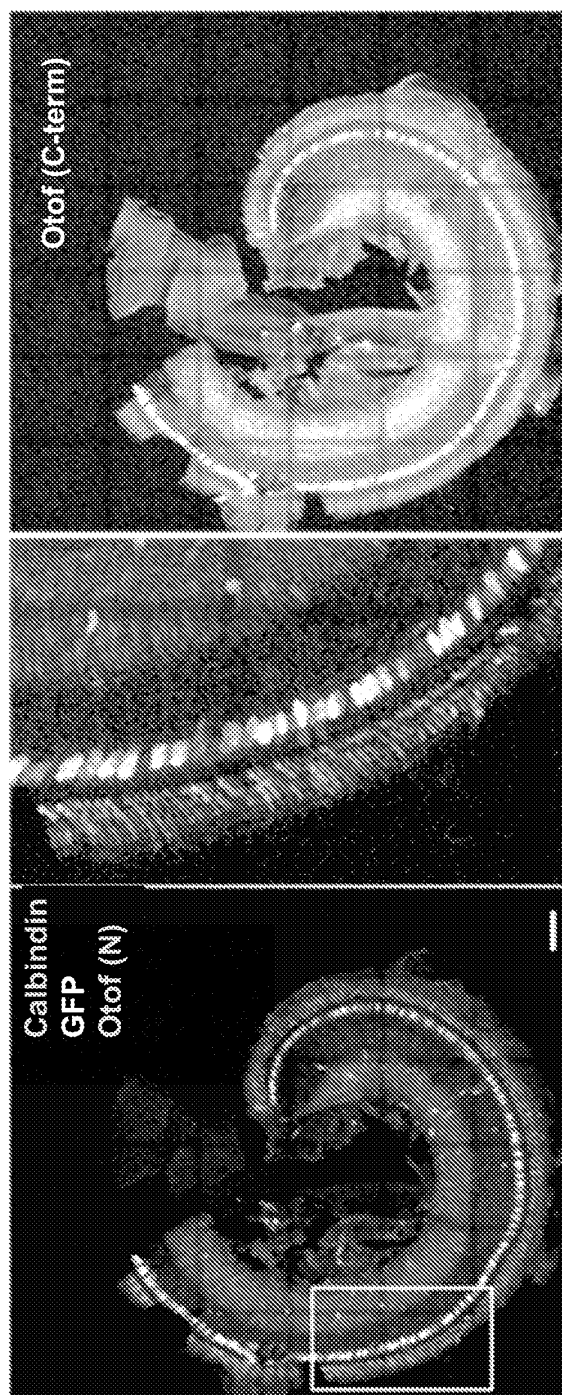


FIG. 7

6/52

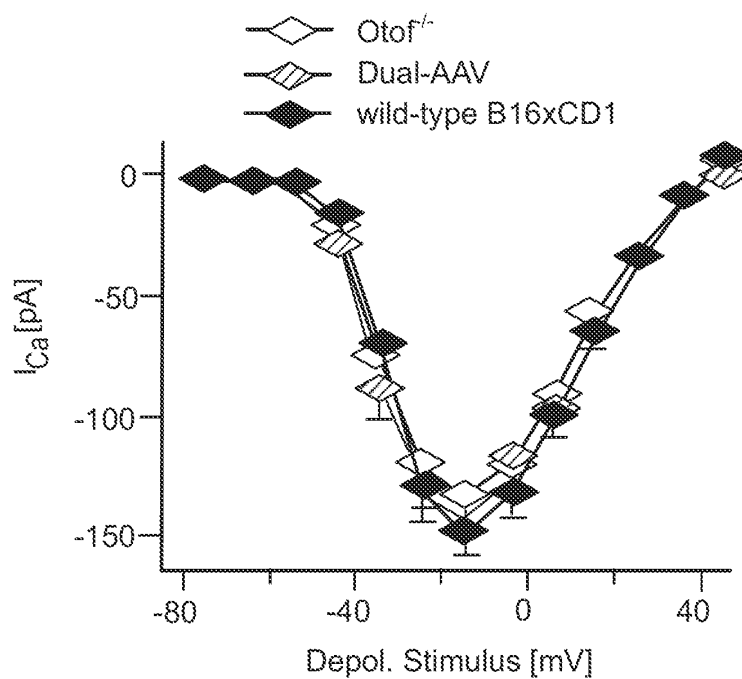


FIG. 8

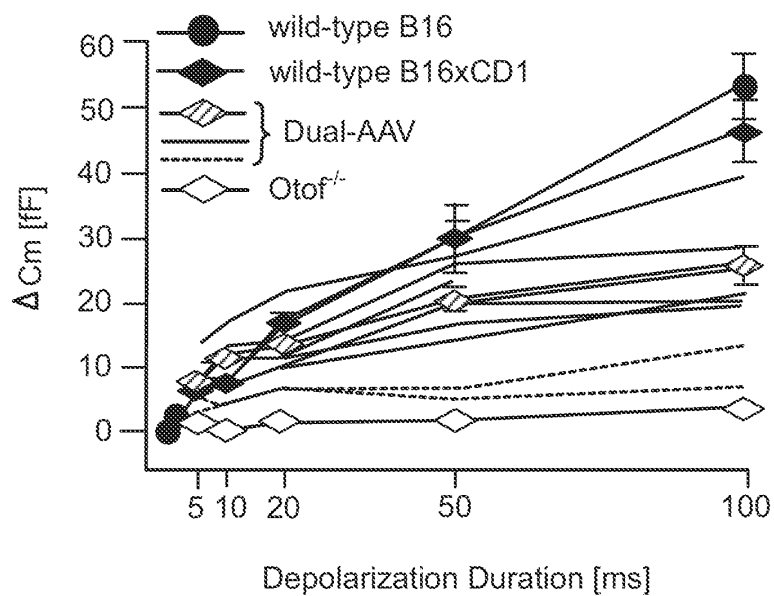


FIG. 9

7/52

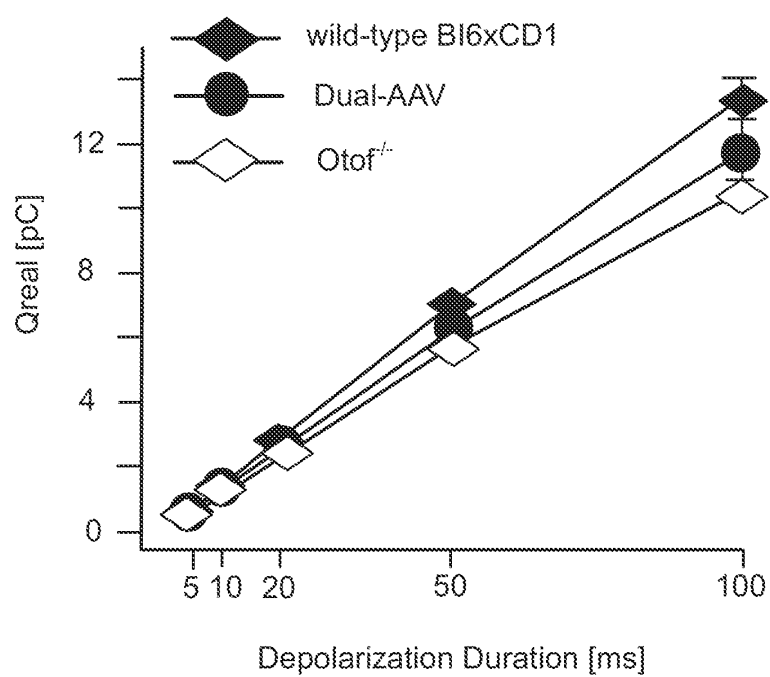


FIG. 10

8/52

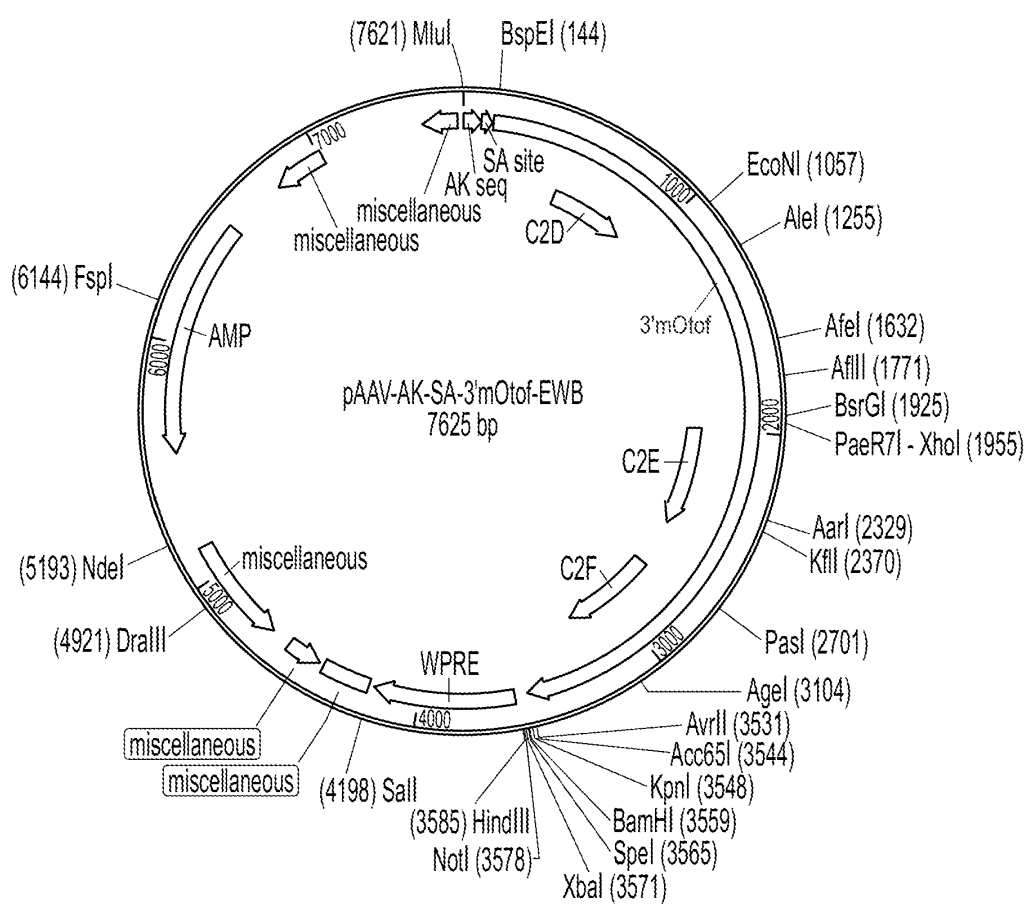


FIG. 11

9/52

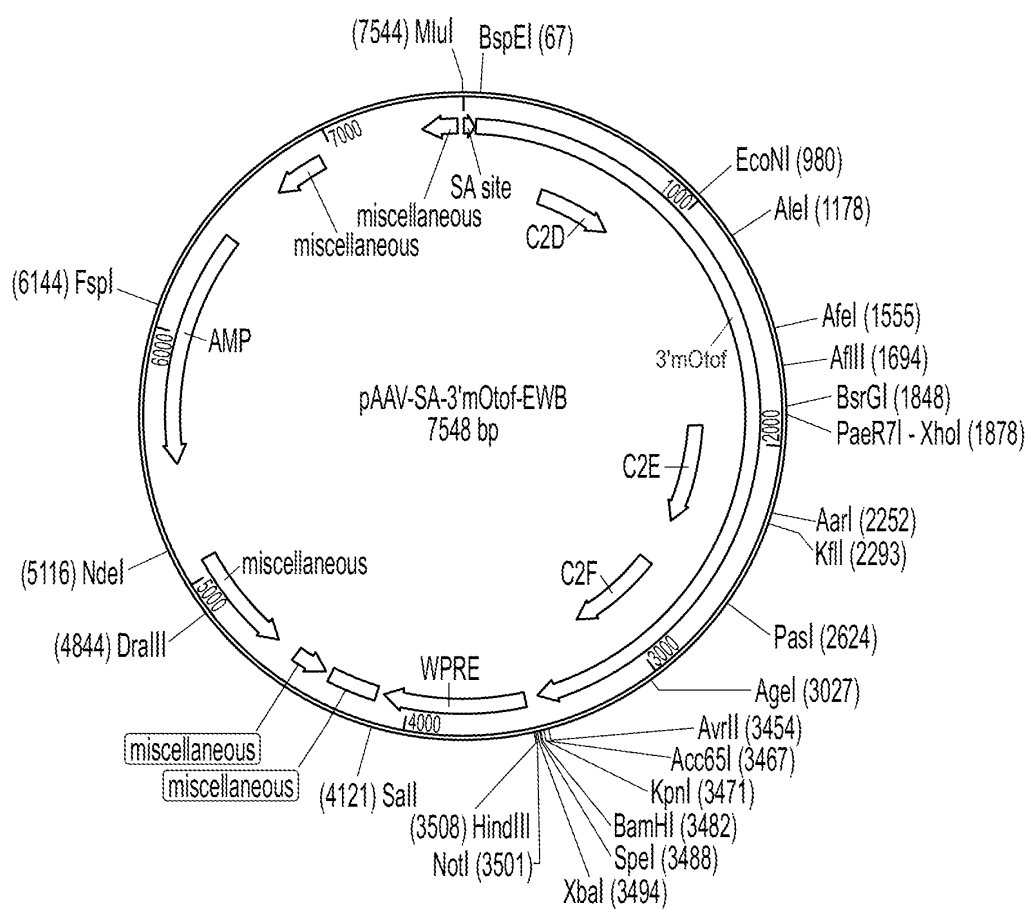


FIG. 12

10/52

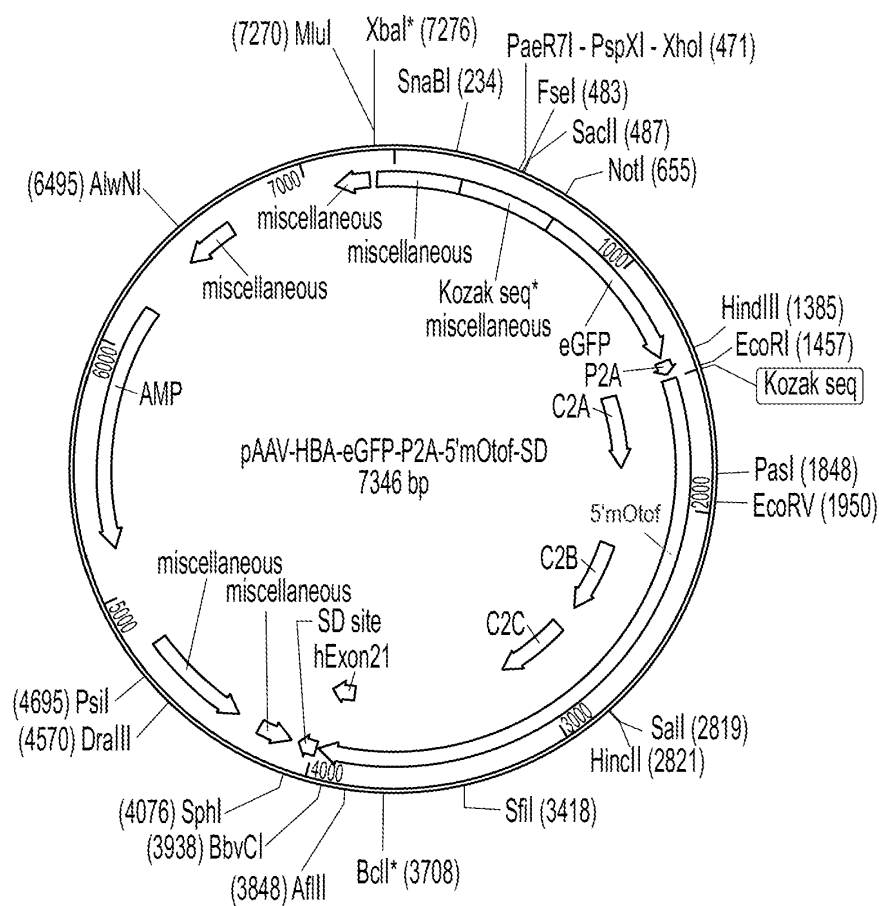


FIG. 13

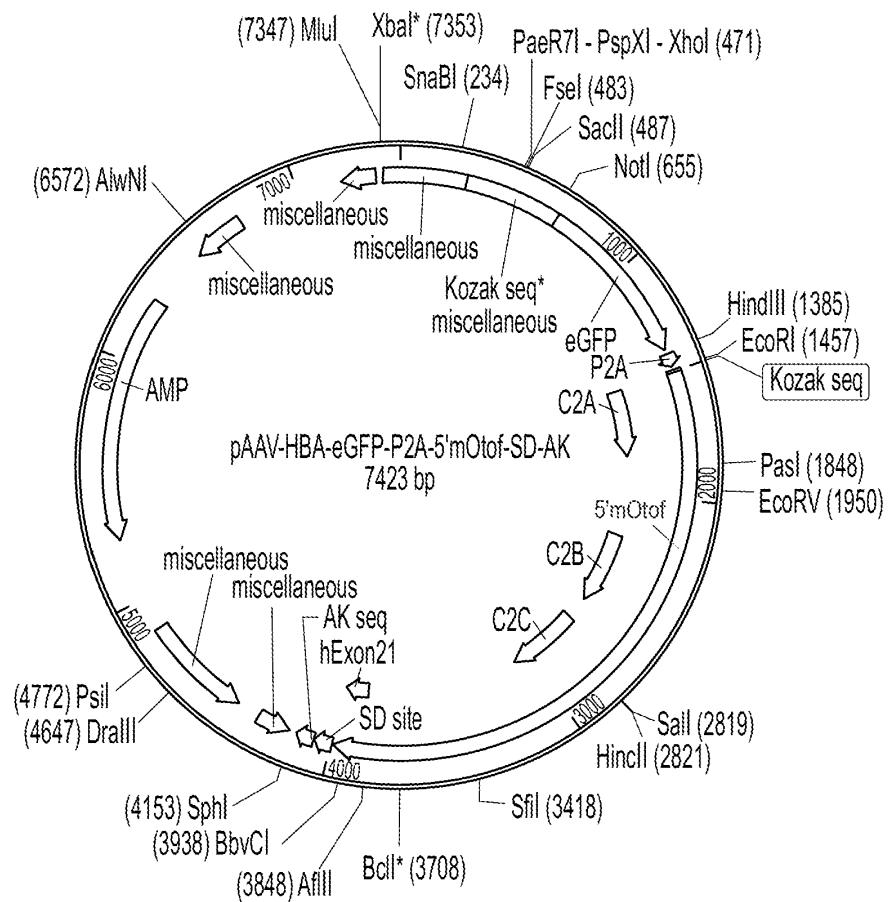


FIG. 14

12/52

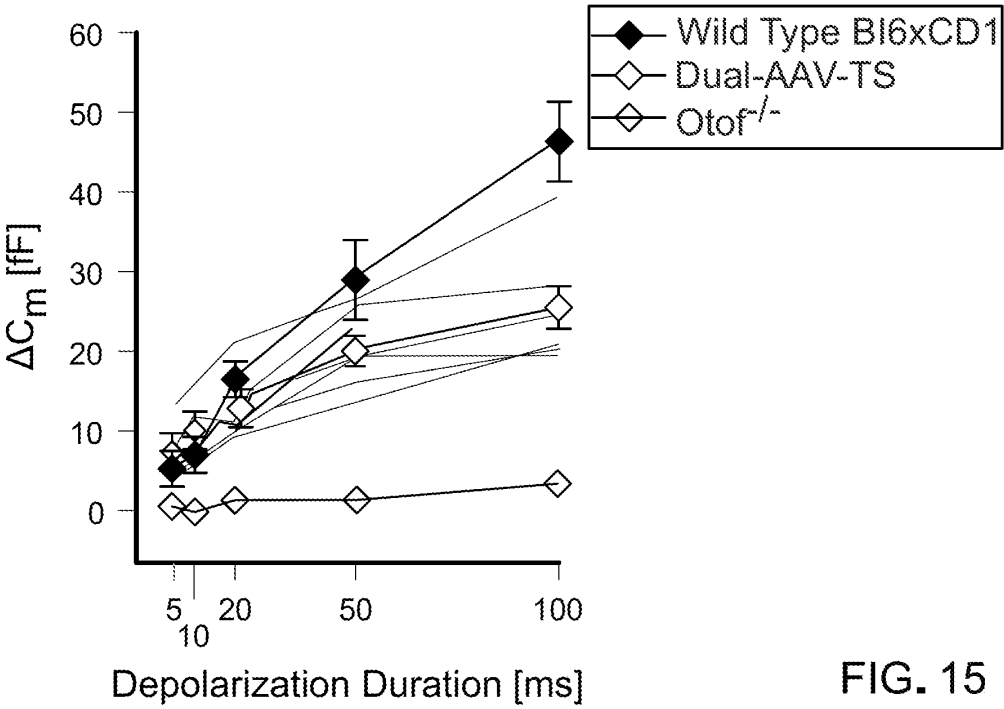


FIG. 15

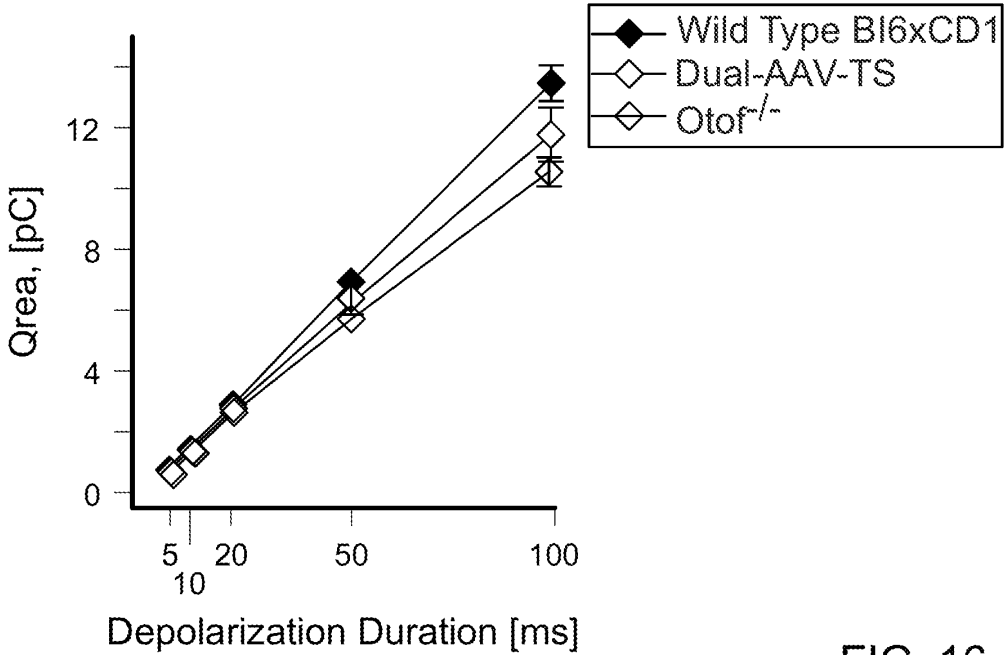


FIG. 16

13/52

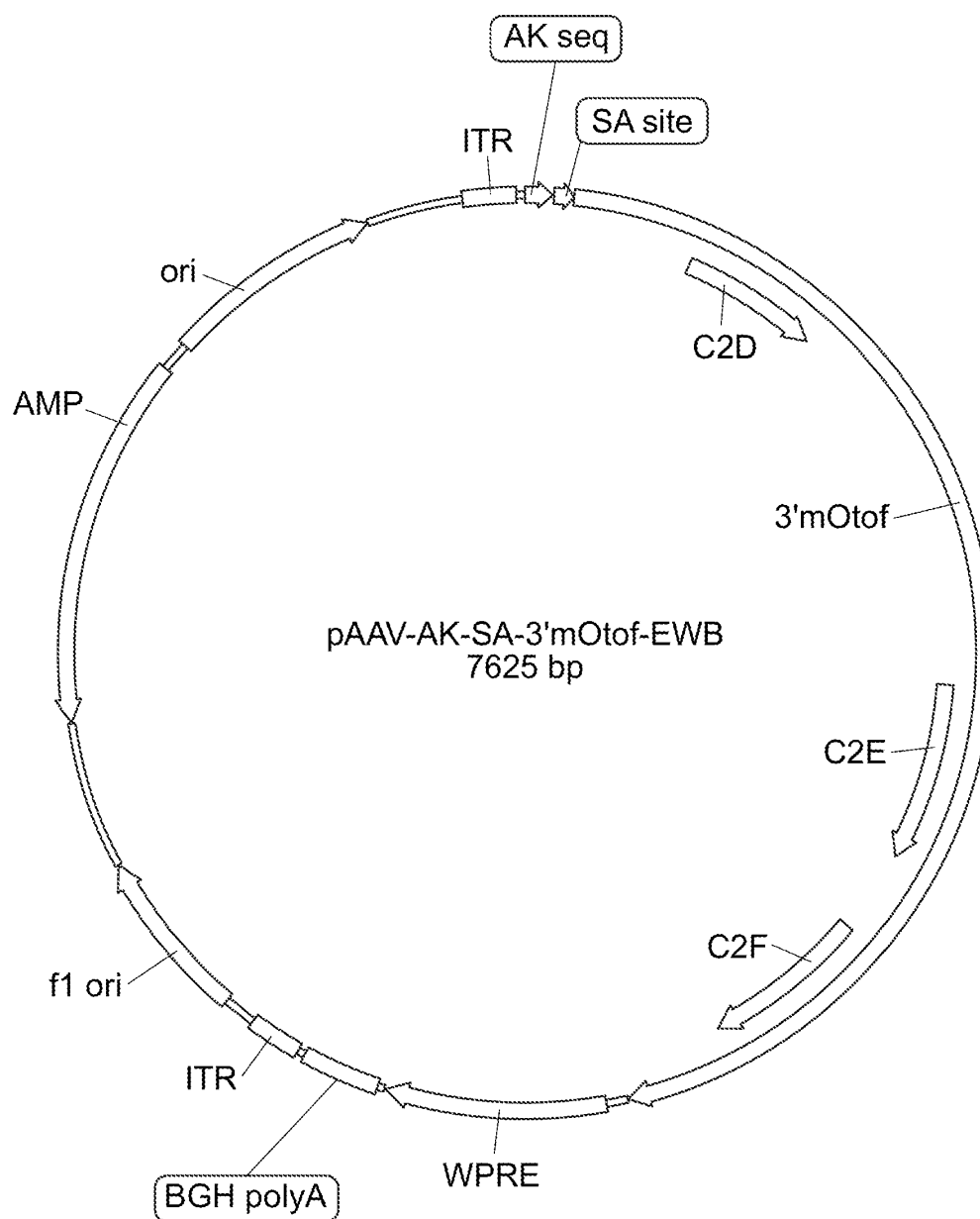


FIG. 17

14/52

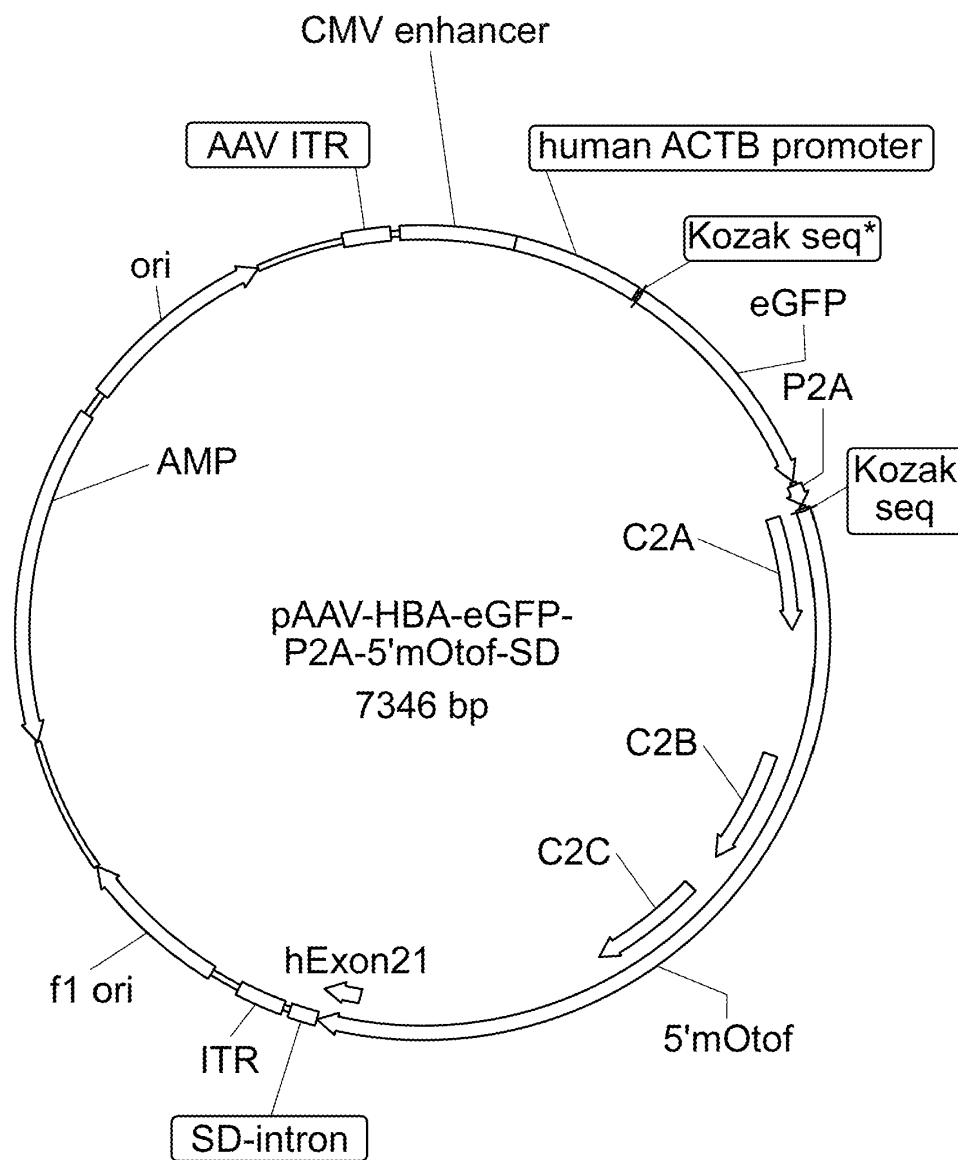


FIG. 18

15/52

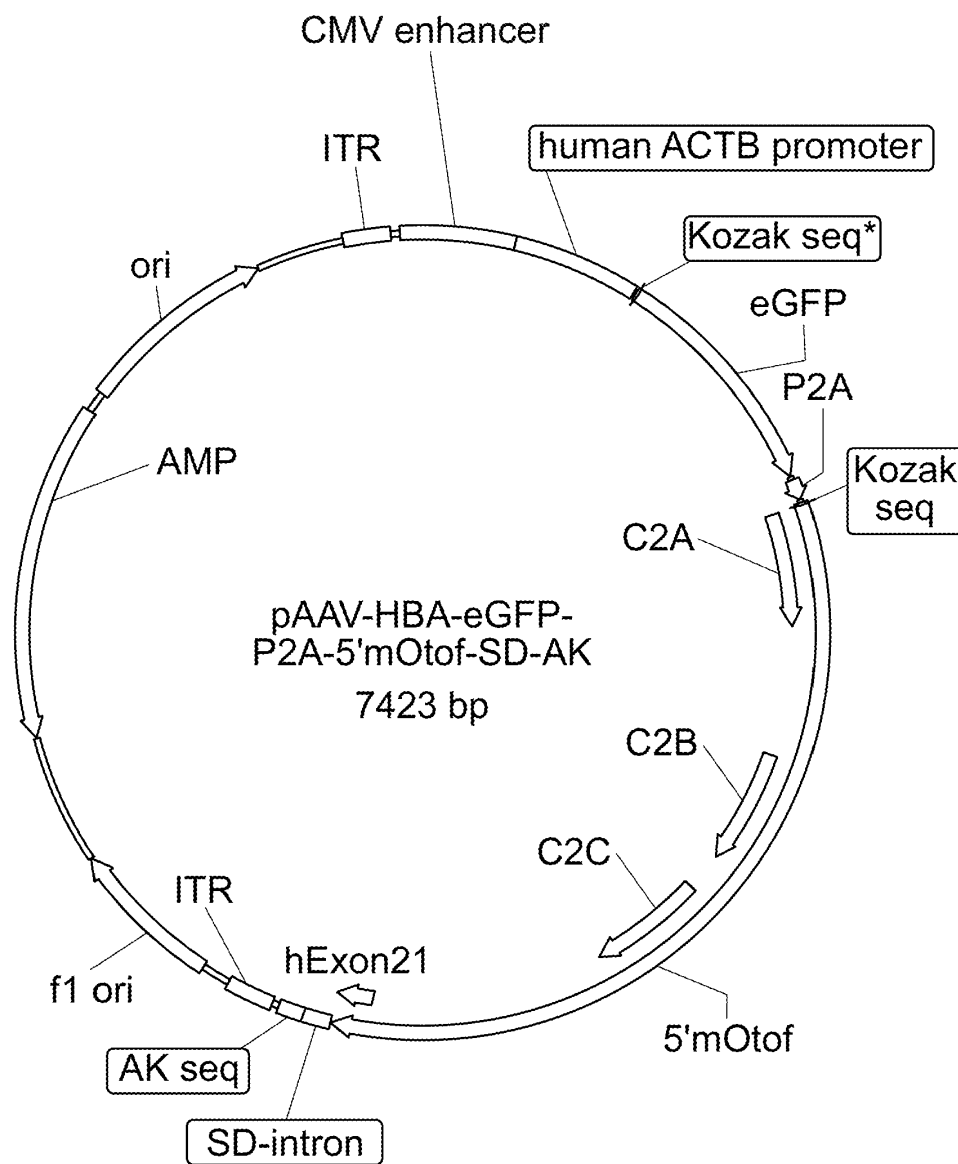


FIG. 19

16/52

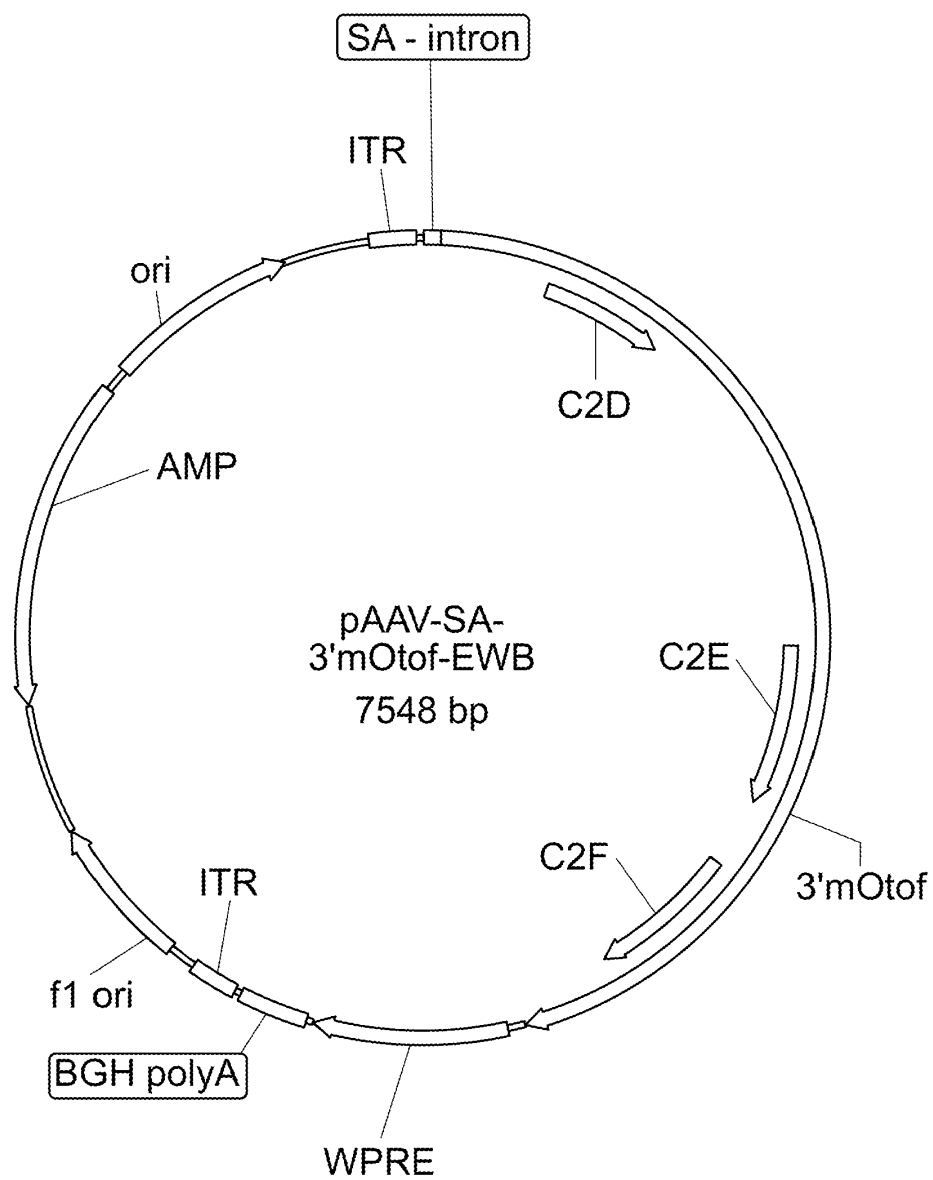


FIG. 20

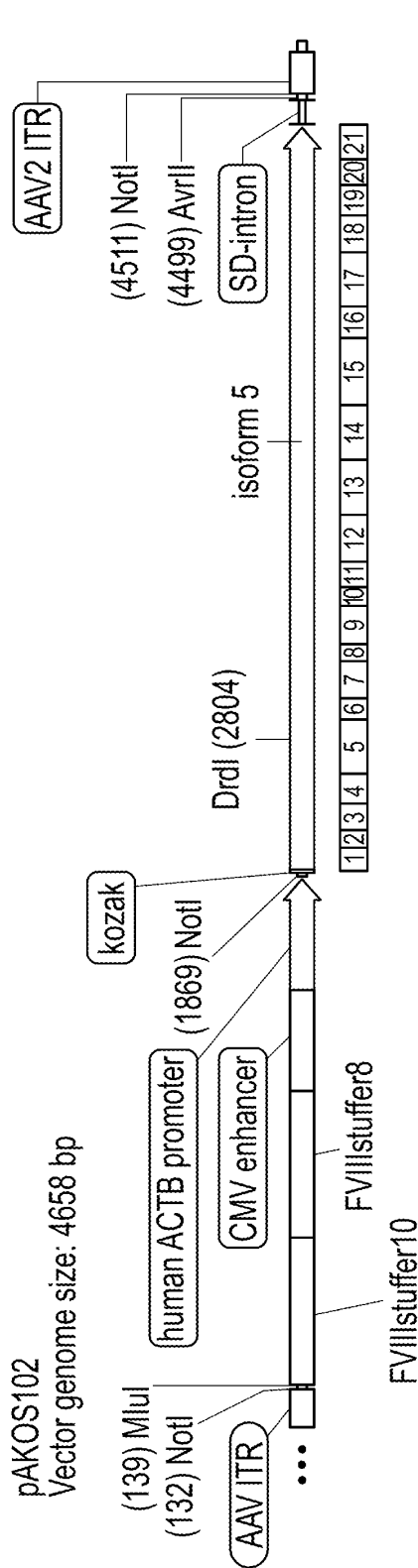


FIG. 21

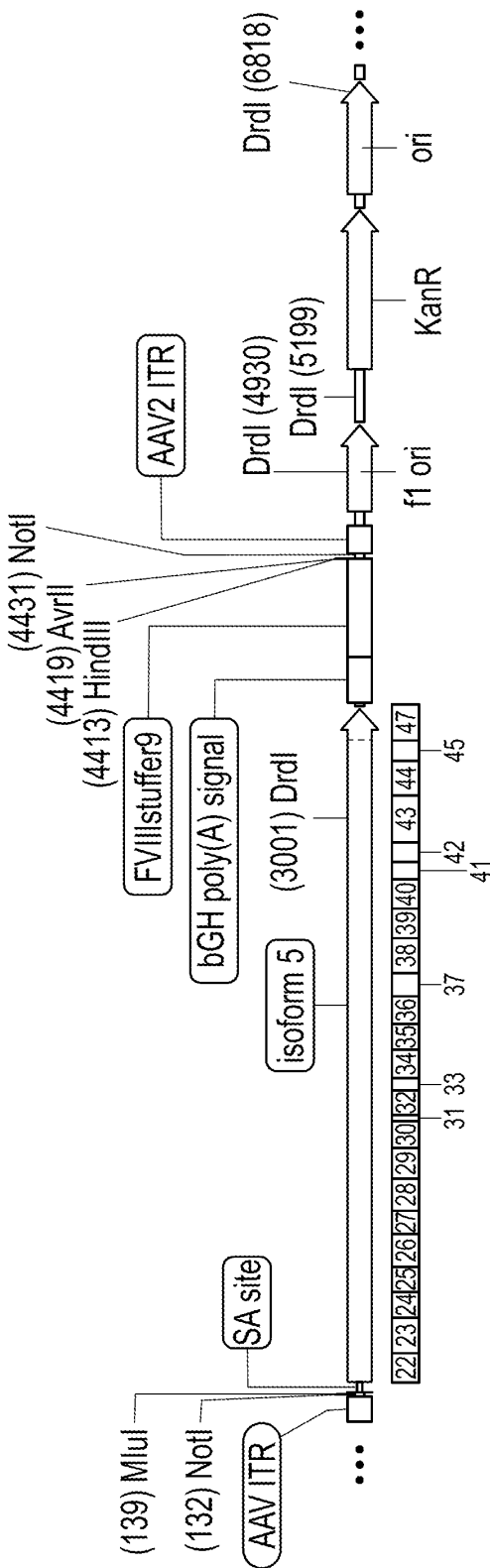


FIG. 22

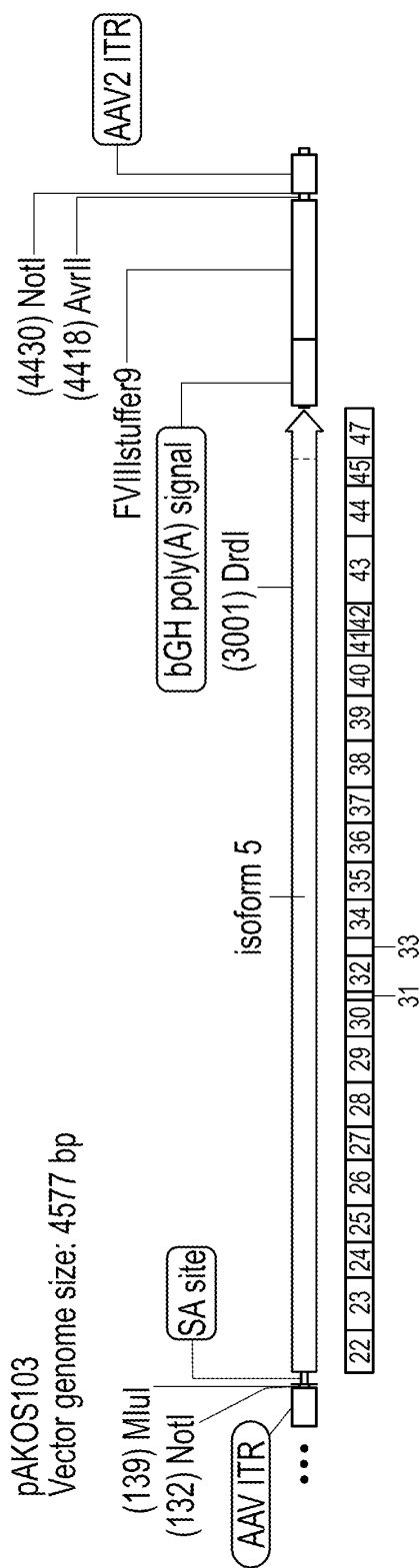


FIG. 23

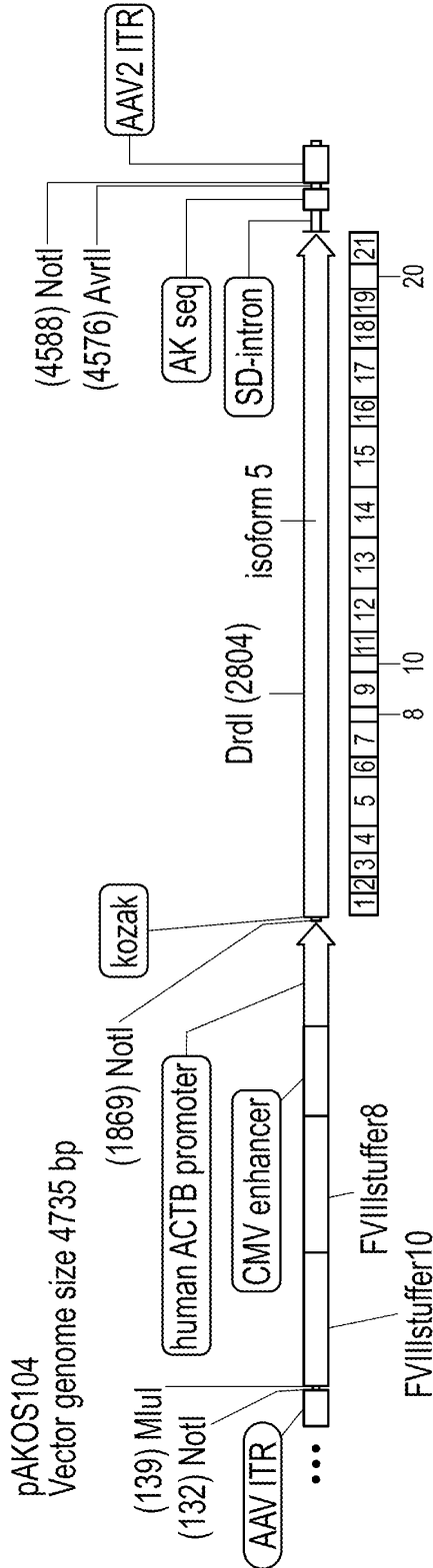


FIG. 24

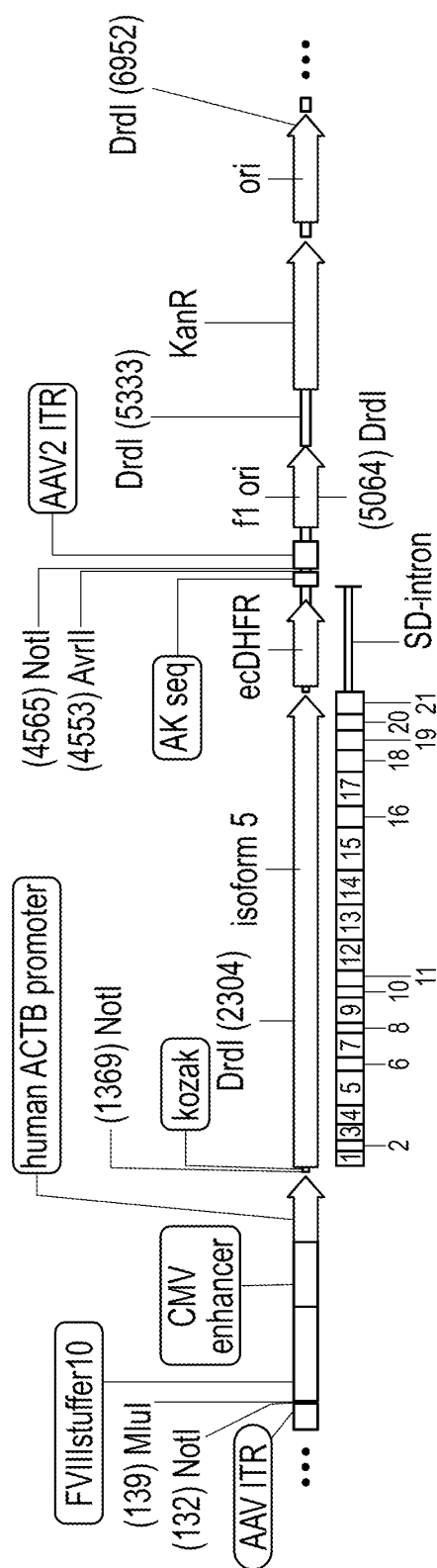


FIG. 25

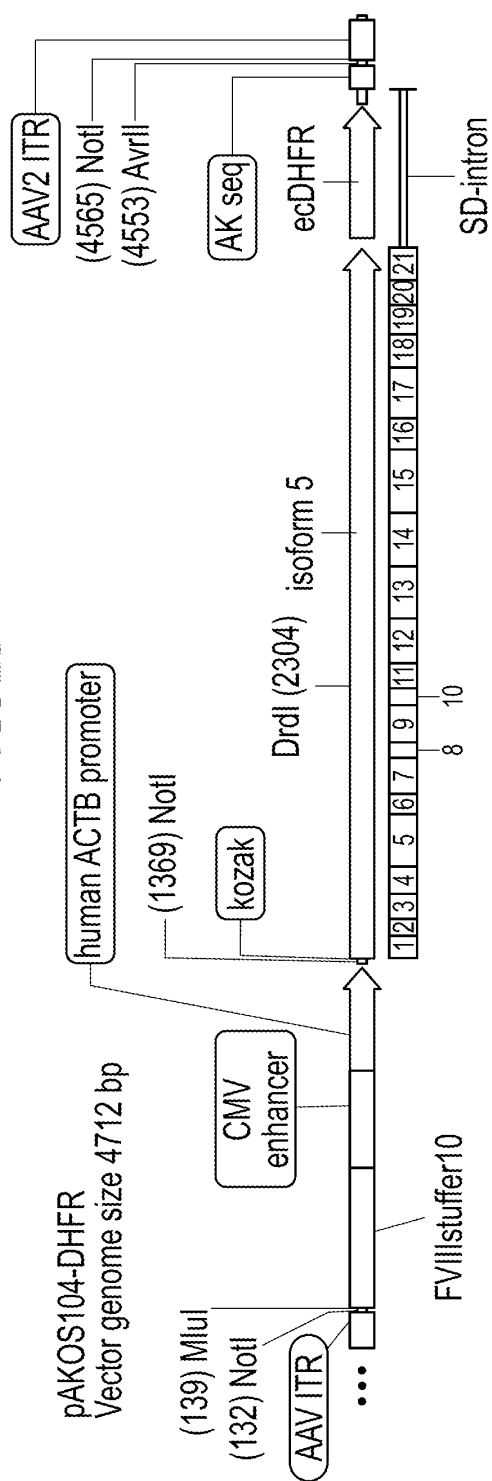


FIG. 26

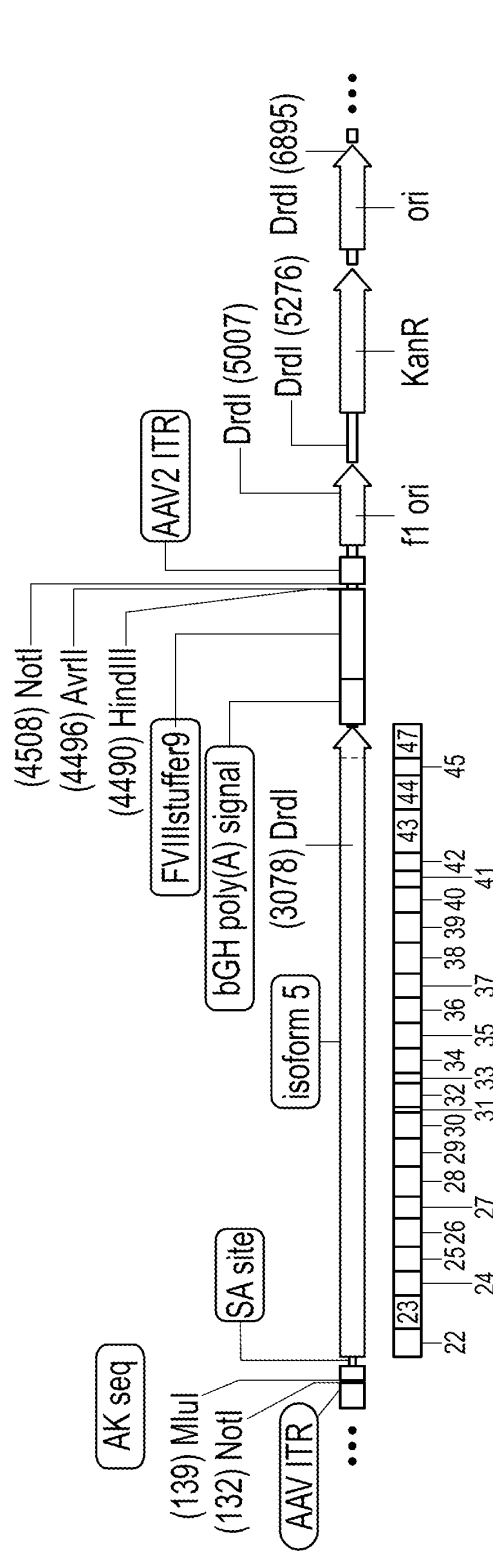


FIG. 27

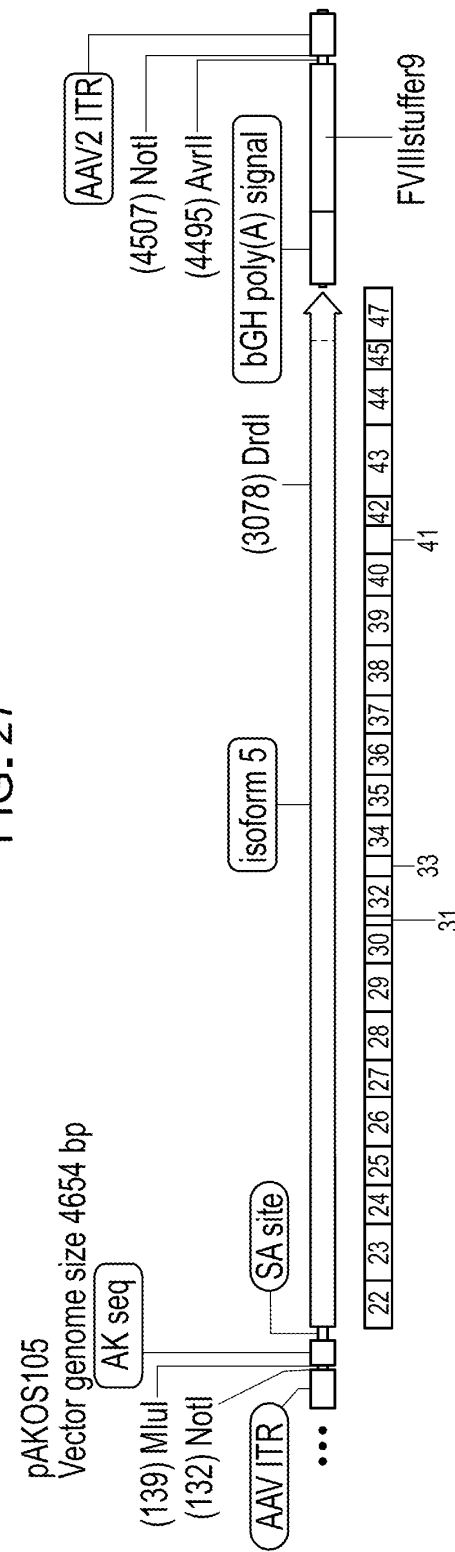


FIG. 28

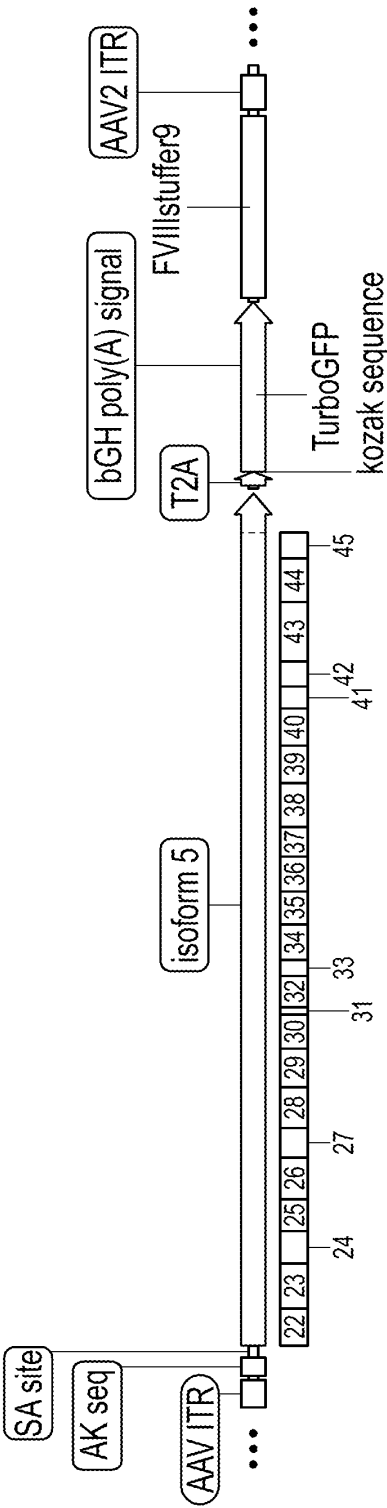


FIG. 29

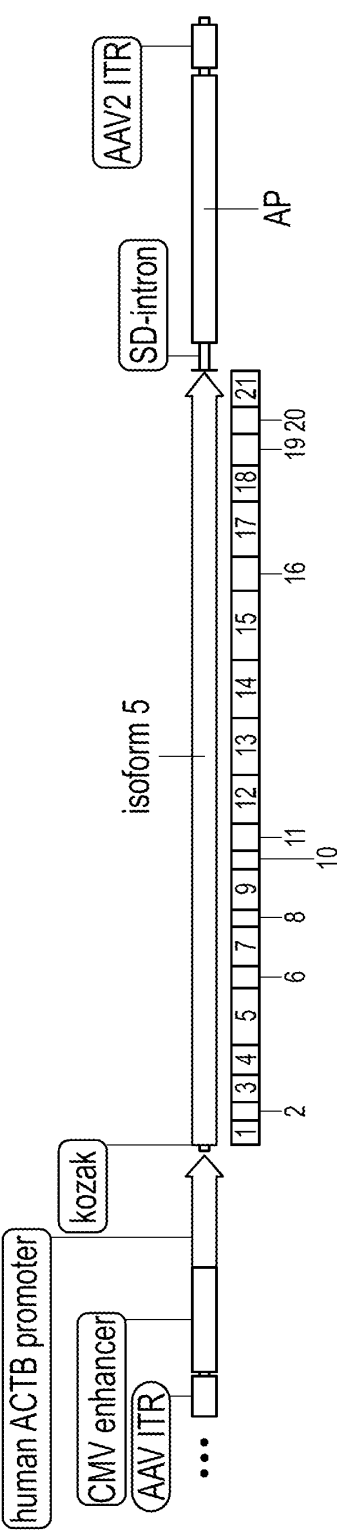


FIG. 30

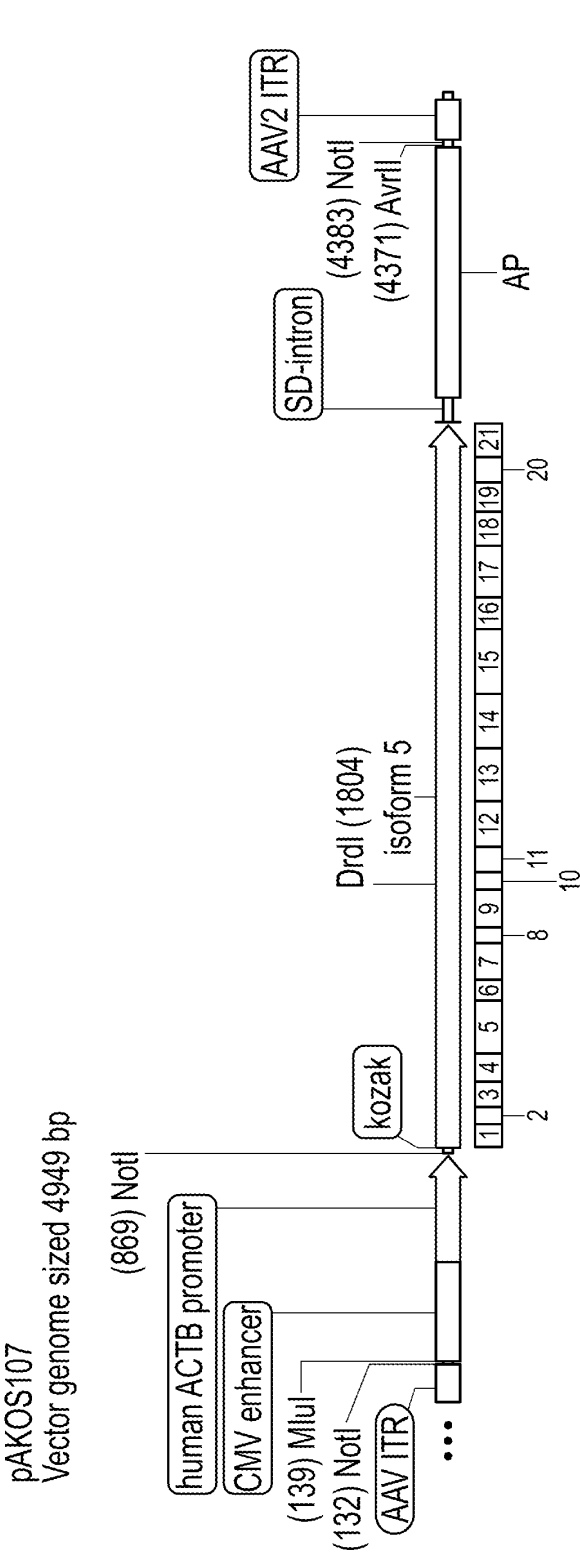


FIG. 31

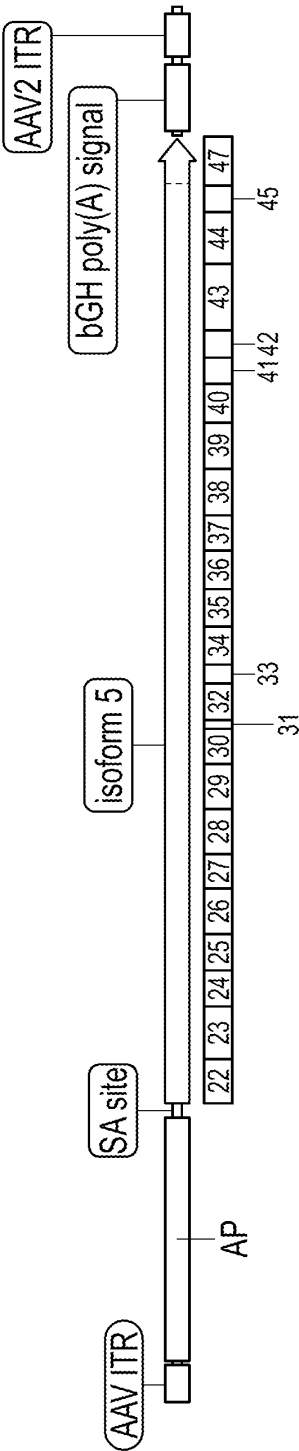


FIG. 32

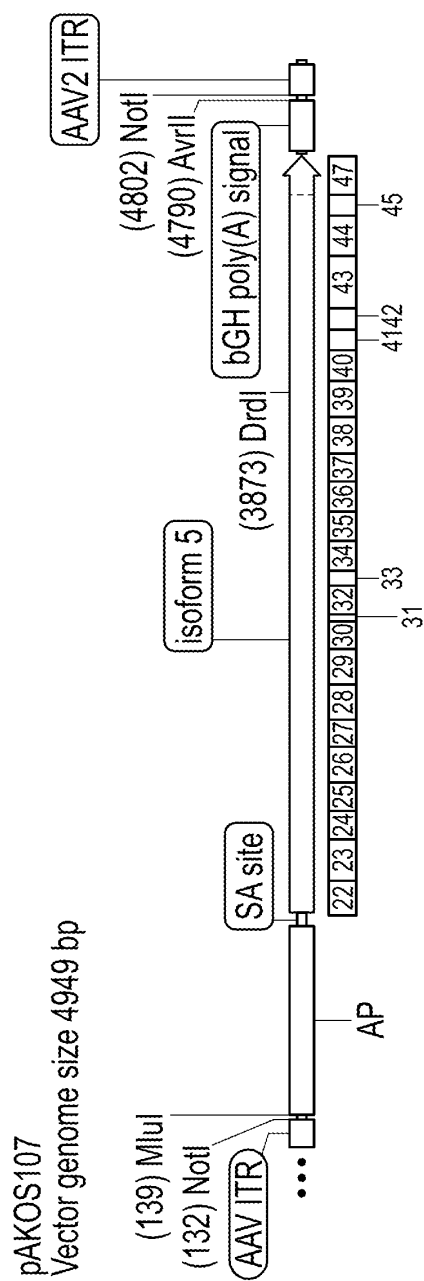


FIG. 33

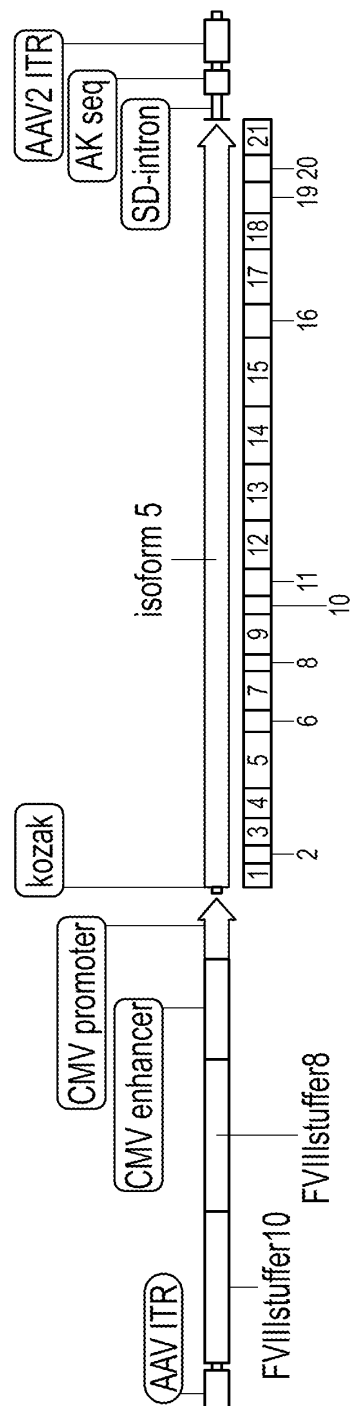
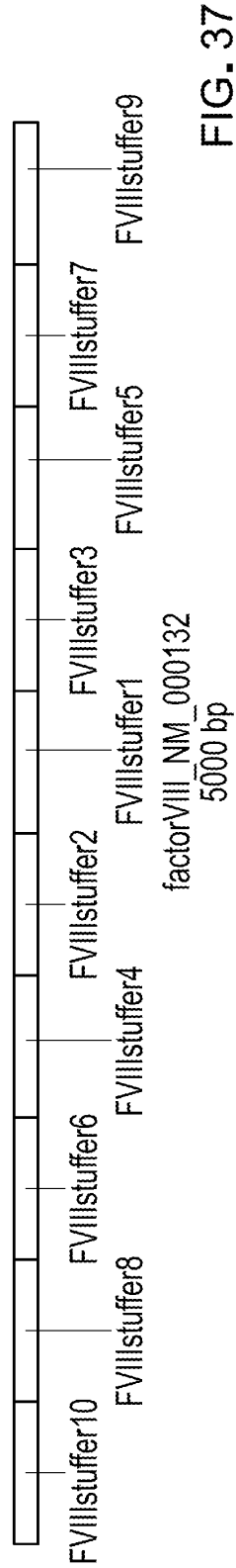
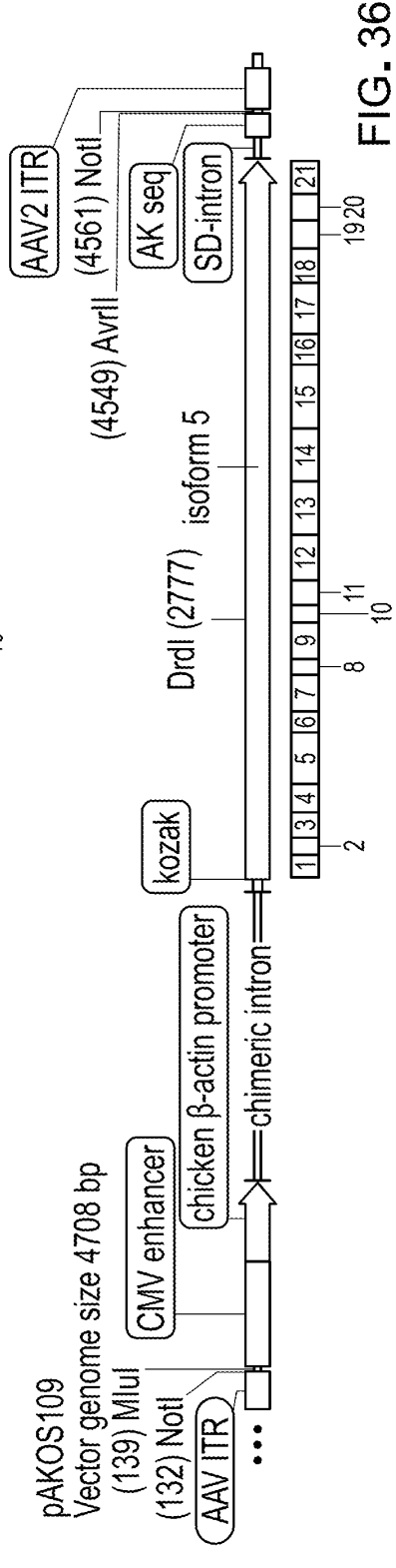
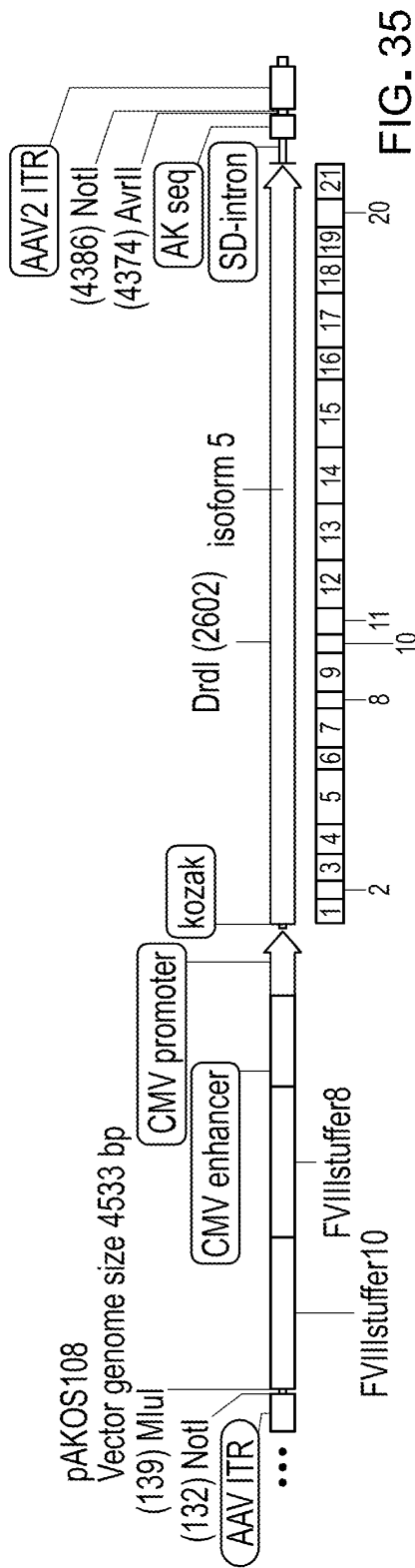


FIG. 34



25/52

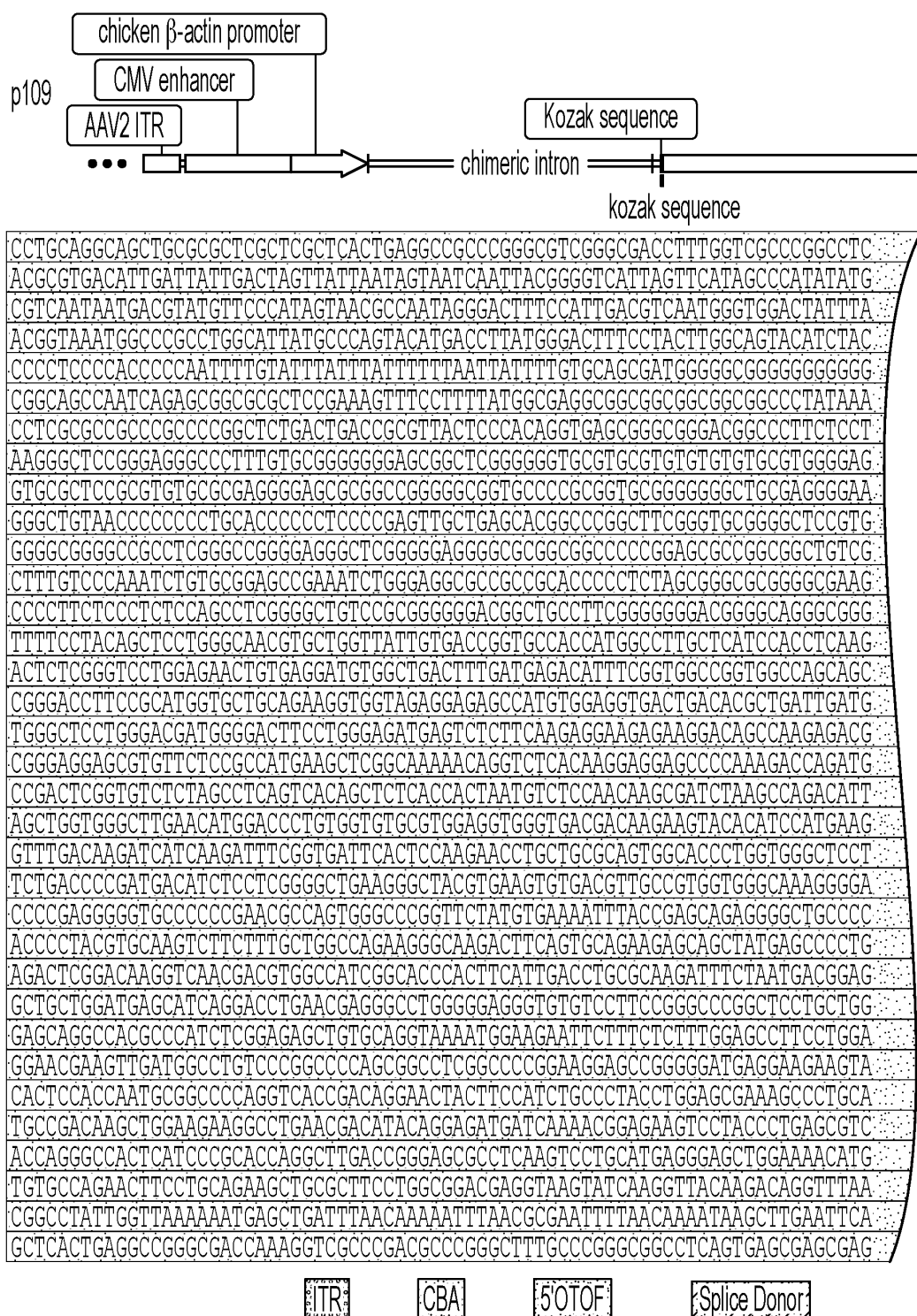


FIG. 38

26/52

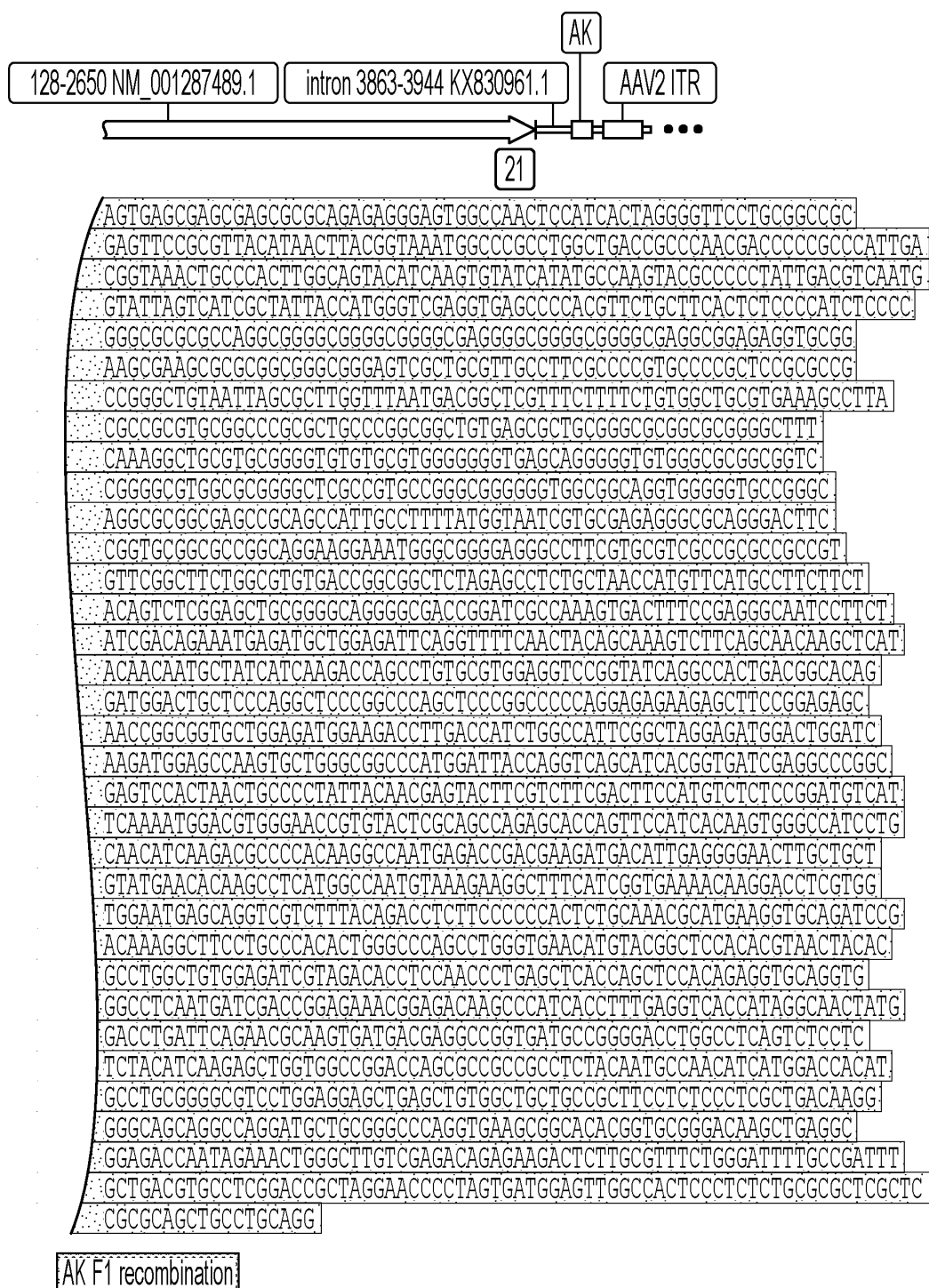


FIG. 38
CONTINUED

SUBSTITUTE SHEET (RULE 26)

27/52

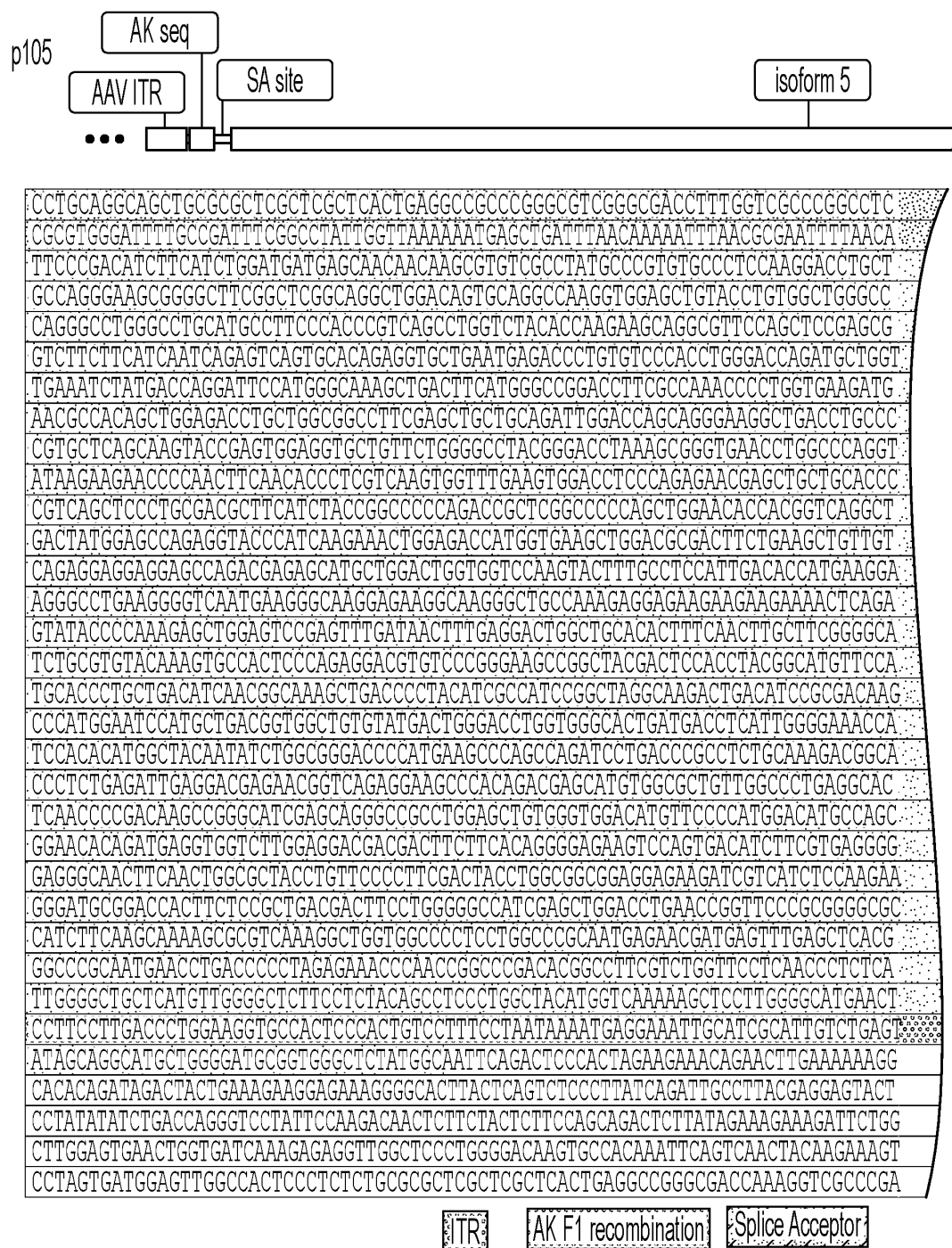


FIG. 39

28/52

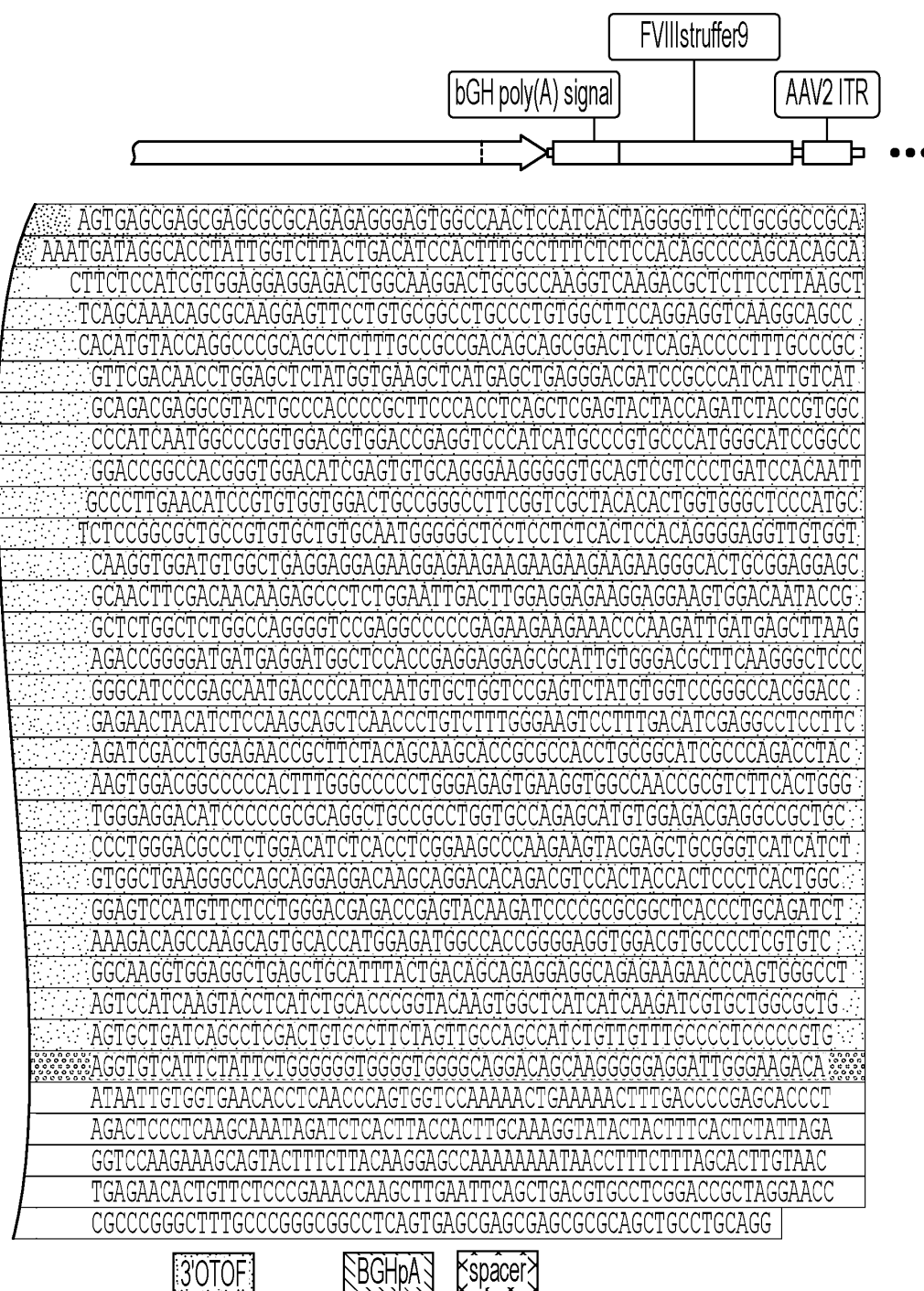


FIG. 39
CONTINUED

SUBSTITUTE SHEET (RULE 26)

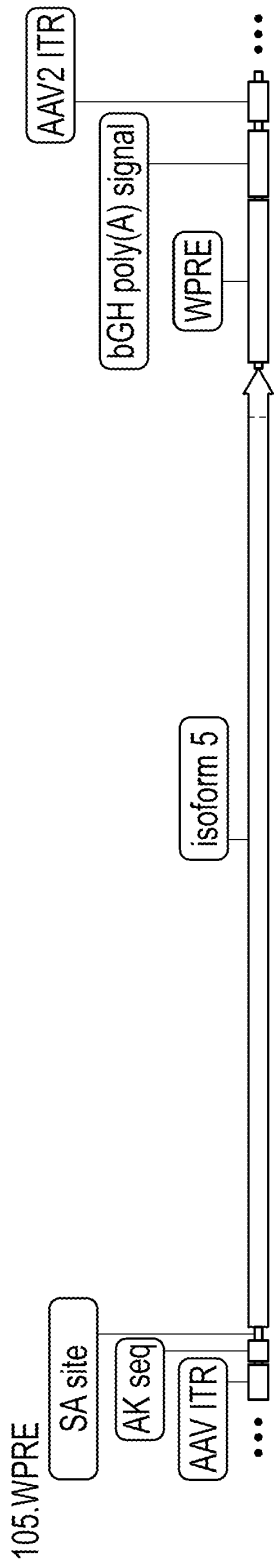


FIG. 40

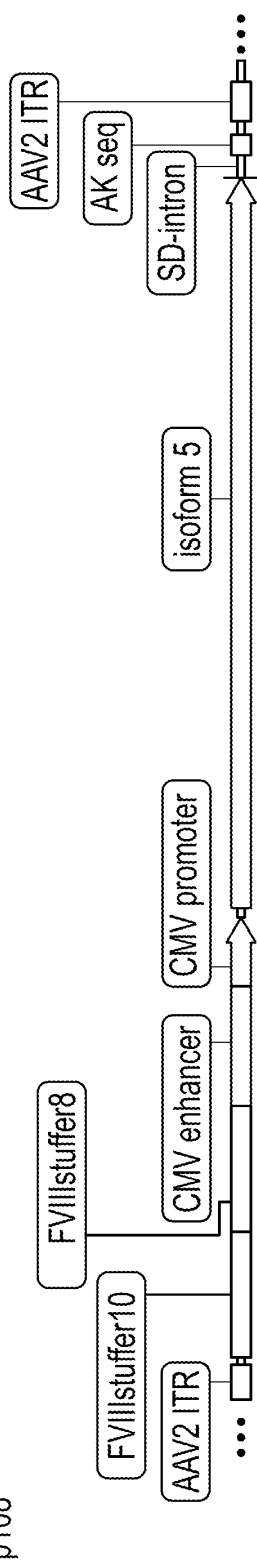


FIG. 41

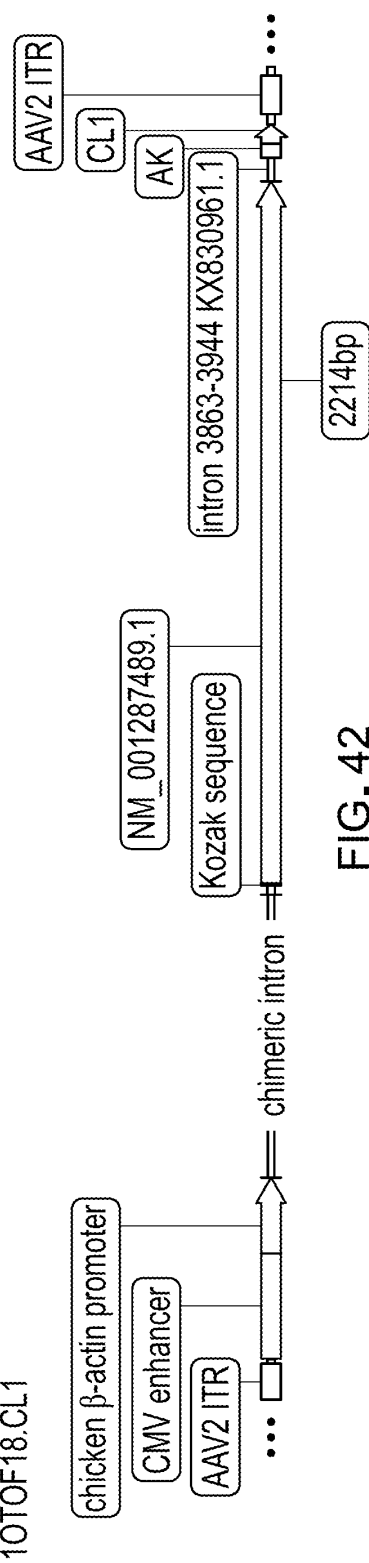


FIG. 42

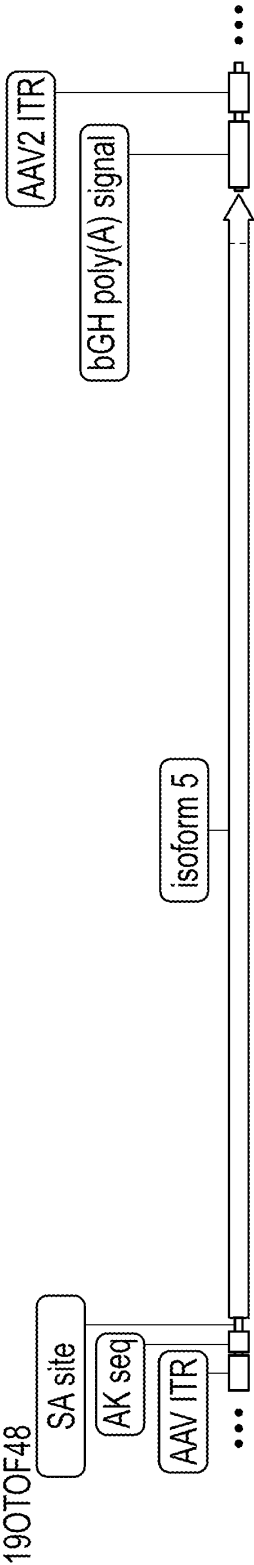


FIG. 43

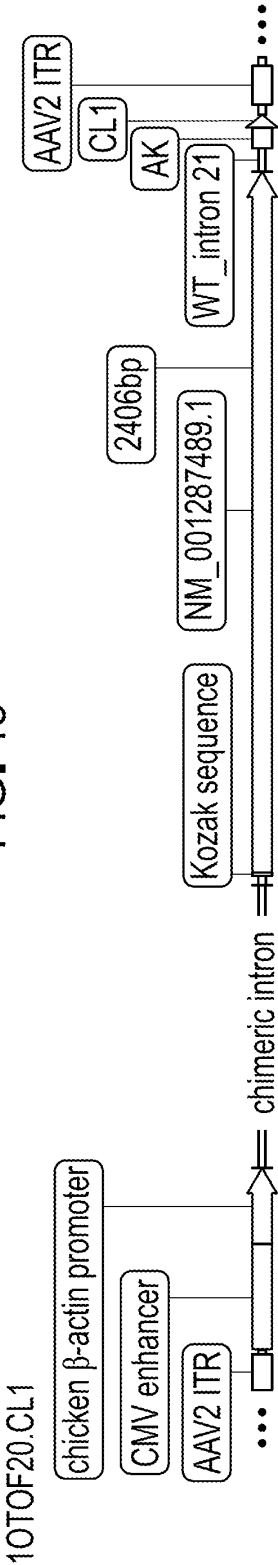


FIG. 44

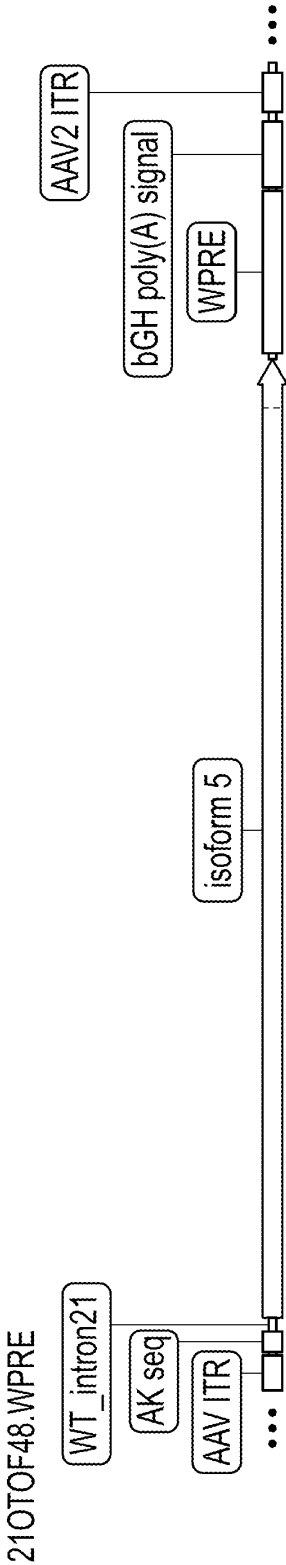


FIG. 45

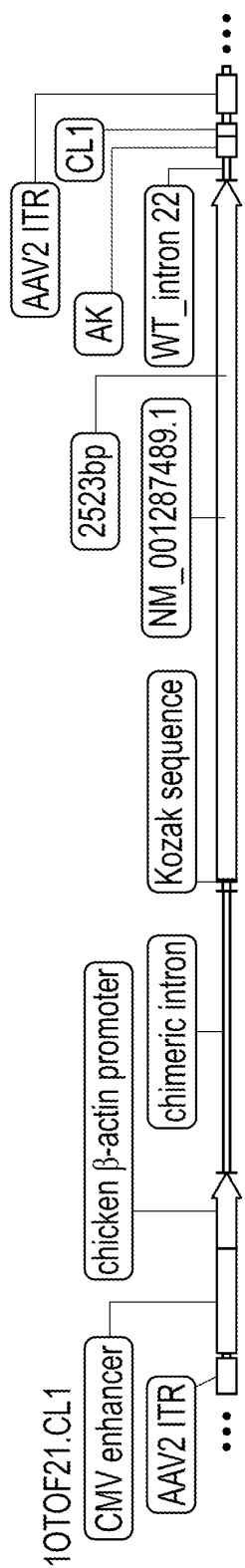


FIG. 46

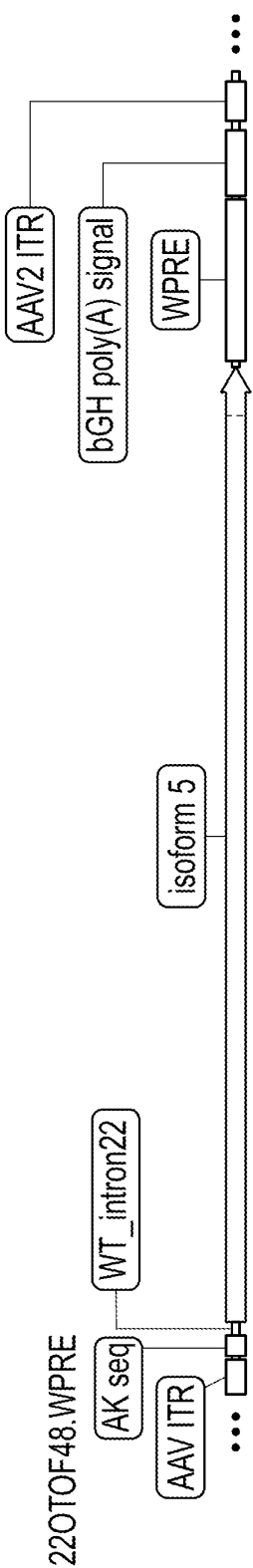


FIG. 47

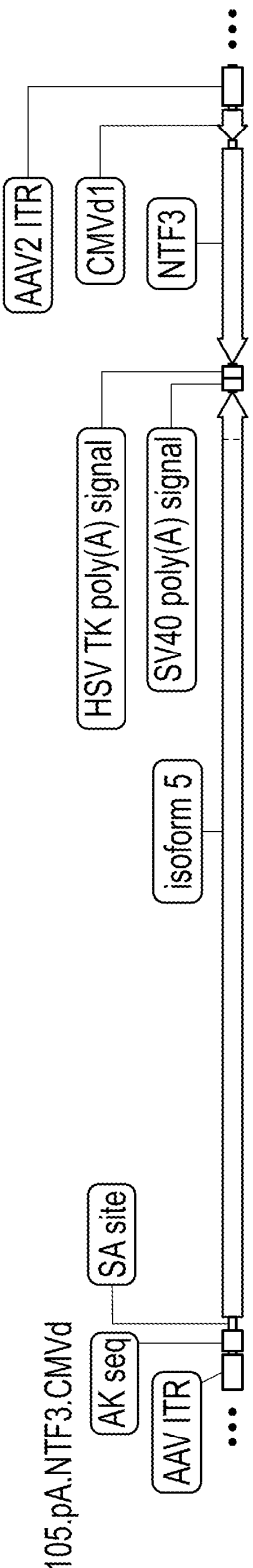


FIG. 48

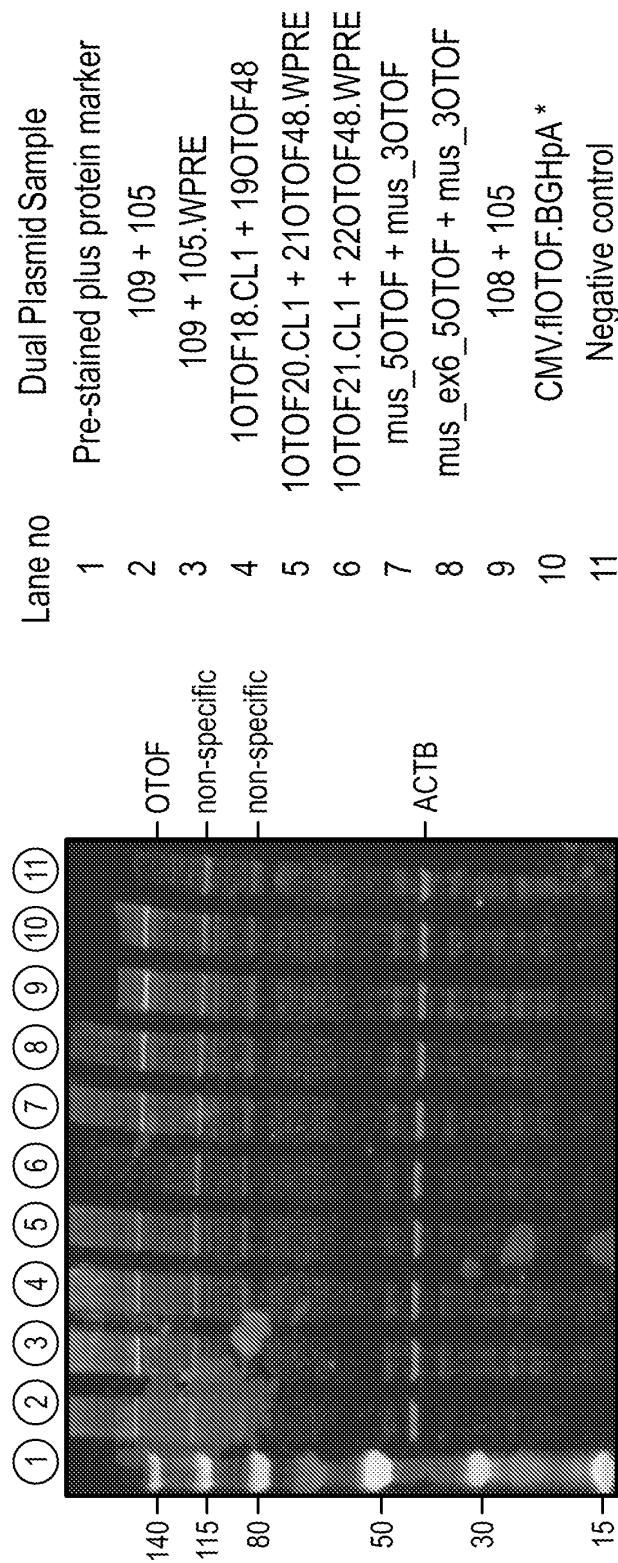


FIG. 49

33/52

400ng	400ng	Experiment 1			Experiment 2			Experiment 3			Final		
		I.I. ACTB	I.I. OTOF	Ratio	I.I. ACTB	I.I. OTOF	Ratio	I.I. ACTB	I.I. OTOF	Ratio	Average	STDEV	%CV
Plasmid 1	Plasmid 2												
109	105	22.29	0.12	0.005	18.57	0.39	0.021	13.41	0.13	0.010	0.012	0.01	67.07
109	105WPRE	18.46	0.23	0.012	19.32	0.82	0.042	16.37	0.28	0.017	0.024	0.02	67.24
1OTOF18.CL1	19OTOF48	18.15	0.17	0.009	17.11	0.36	0.021	18.84	0.28	0.015	0.015	0.01	38.70
1OTOF20.CL1	21OTOF48.WPRE	19.47	0.30	0.015	16.52	0.22	0.013	16.97	0.15	0.009	0.013	0.00	26.80
1OTOF21.CL1	22OTOF48.WPRE	18.31	0.04	0.002	17.07	0.03	0.002	18.32	0.00	0.000	0.001	0.00	N/A
mus_5OTOF	mus_3OTOF	17.37	1.00	0.058	17.97	0.36	0.020	18.77	0.32	0.017	0.032	0.02	71.58
mus_ex6_5OTOF	mus_3OTOF	16.06	0.71	0.044	16.11	0.53	0.033	16.08	0.13	0.008	0.028	0.02	65.07
108	105	15.49	1.06	0.068	15.77	0.91	0.058	18.38	0.27	0.015	0.047	0.03	60.59
CMV.fl.OTOF	CMV.fl.OTOF	18.17	0.48	0.026	16.29	0.50	0.031	14.54	0.62	0.043	0.033	0.01	25.29
N/A	N/A	19.10	0.01	0.001	16.94	-0.01	-0.001	14.73	-0.01	-0.001	0.000	0.00	N/A

FIG. 50

34/52

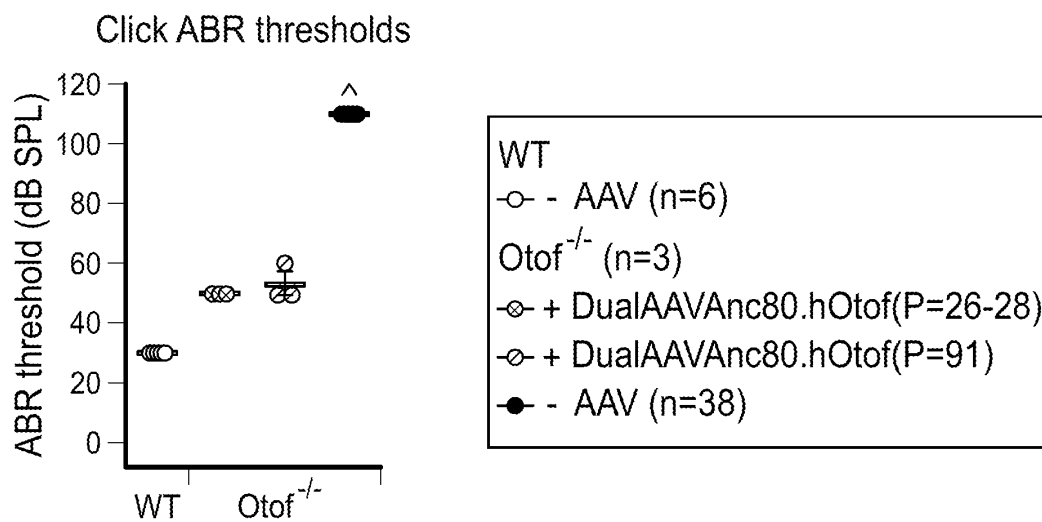


FIG. 51

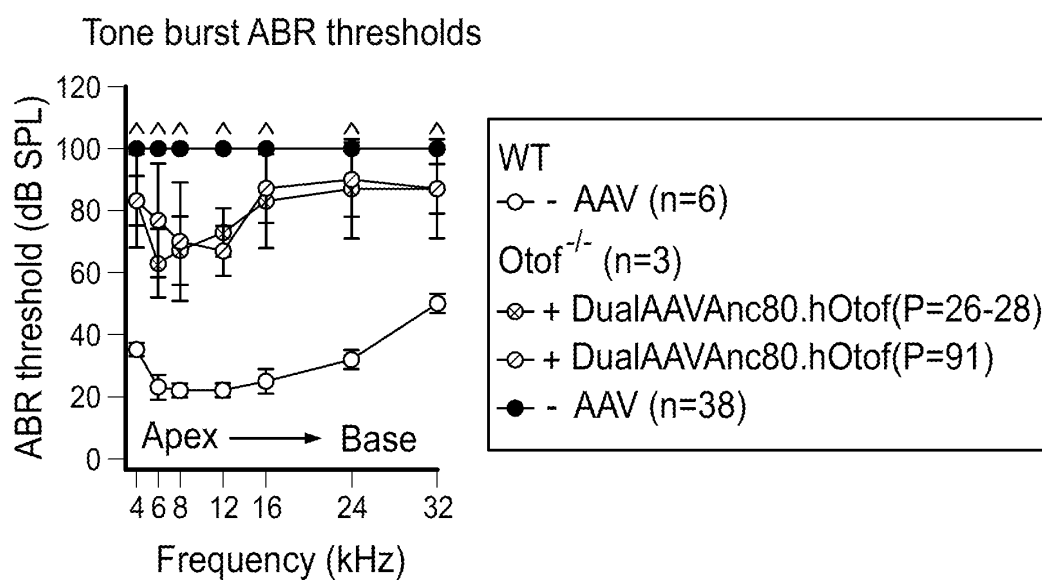


FIG. 52

35/52

HBA.eGFP.P2A.5mOTOF.SD

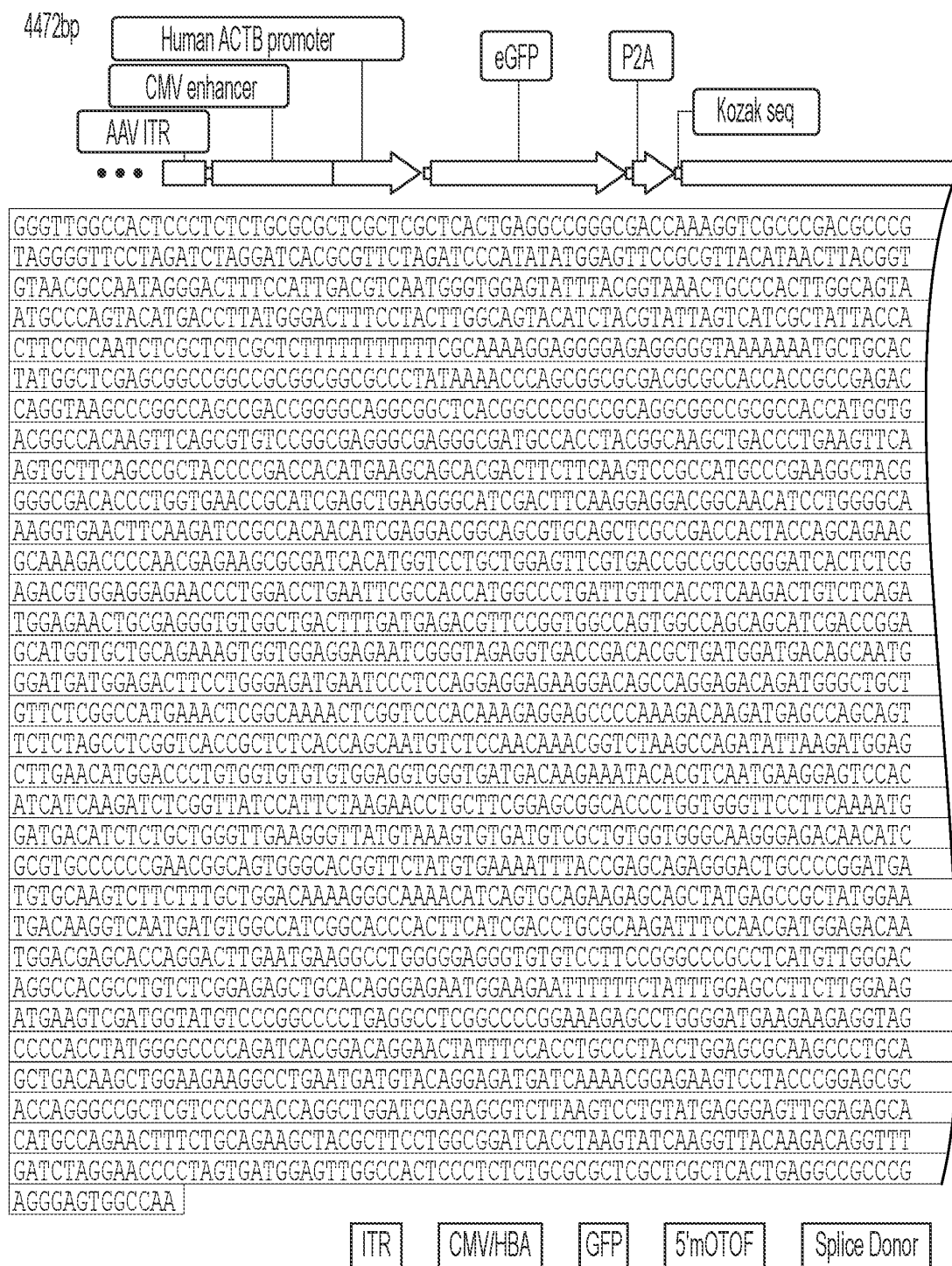


FIG. 53

36/52



FIG. 53
CONTINUED

37/52

SA.3'mOTOF.WPRE

4674 bp

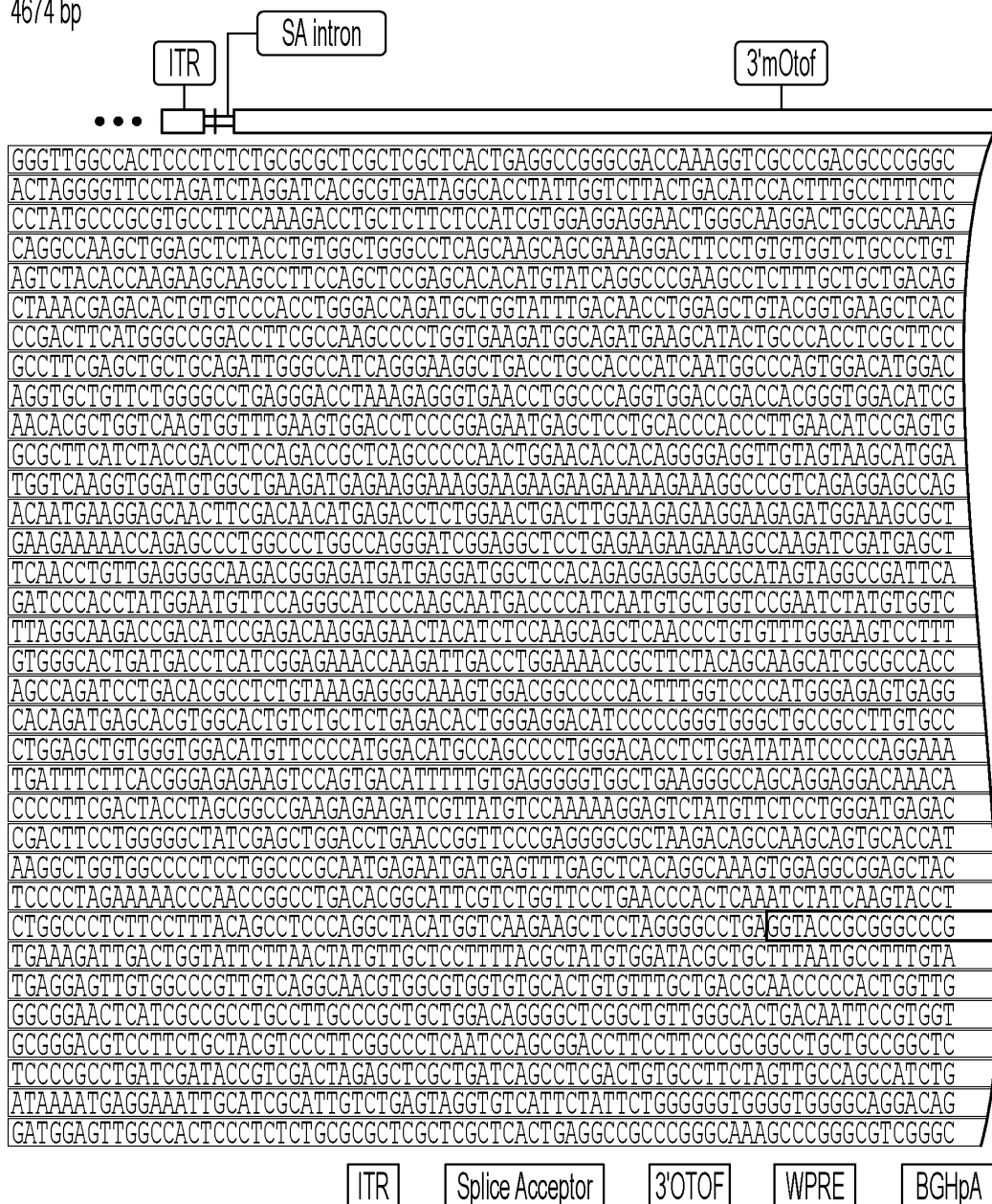


FIG. 54

38/52

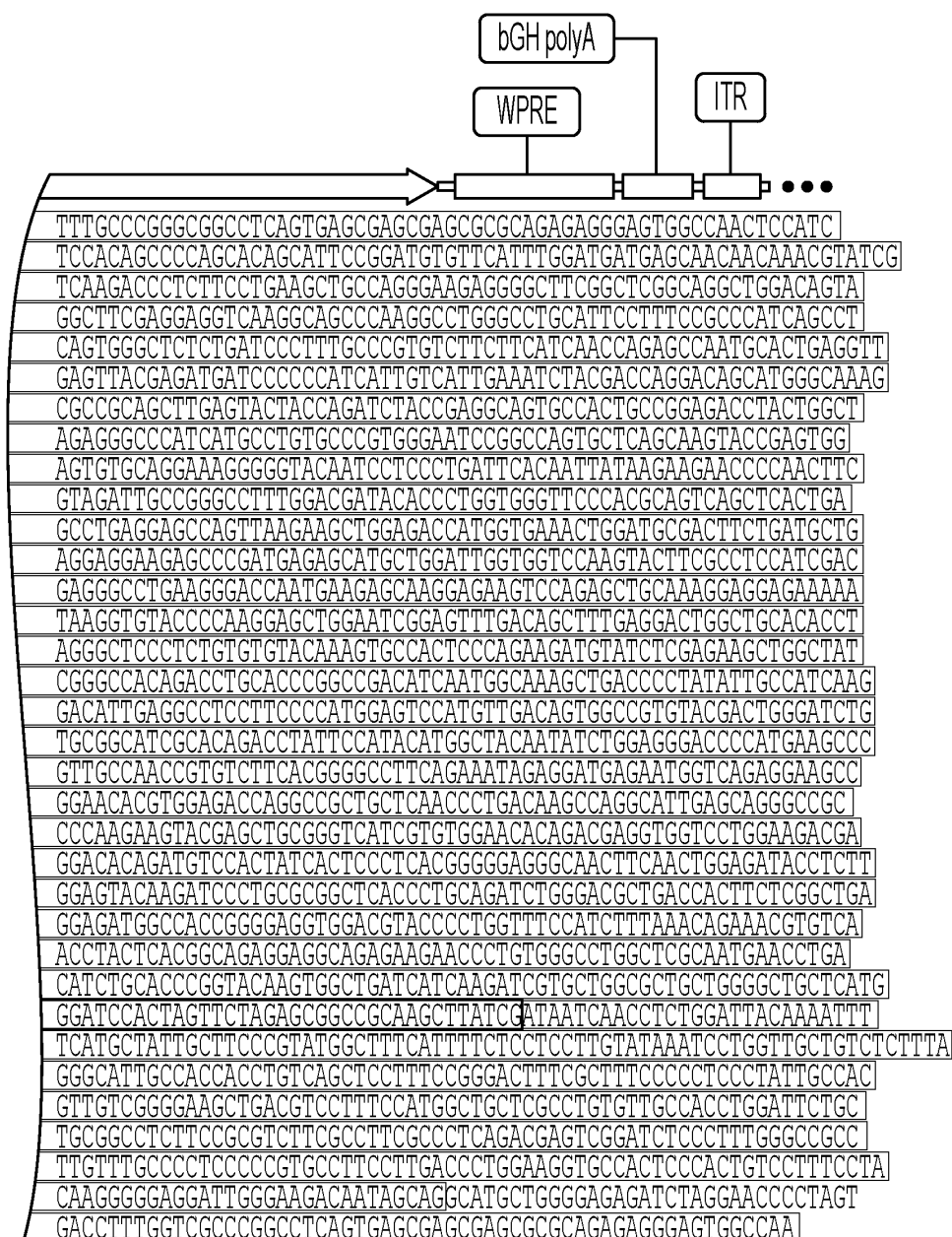


FIG. 54
CONTINUED

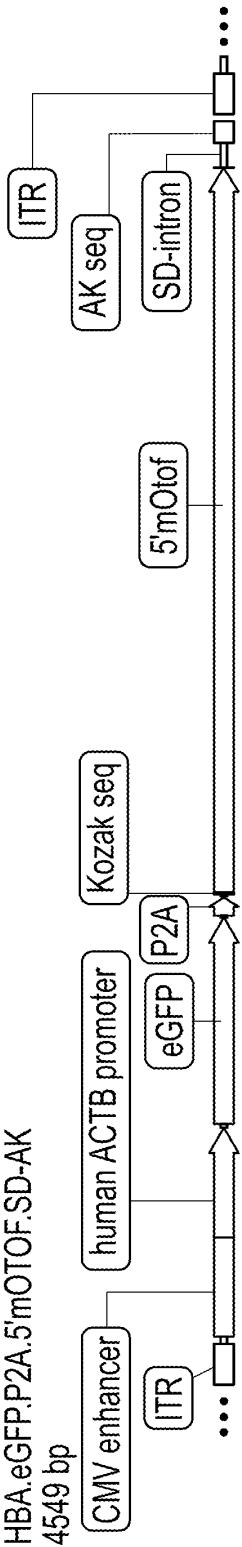


FIG. 55

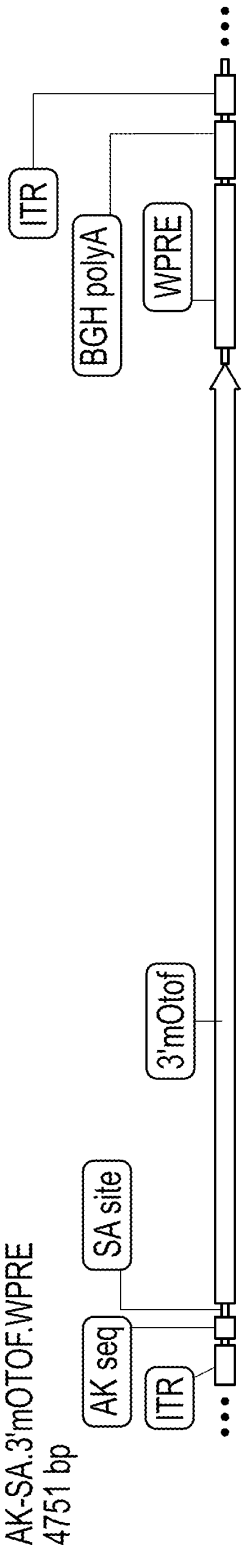


FIG. 56

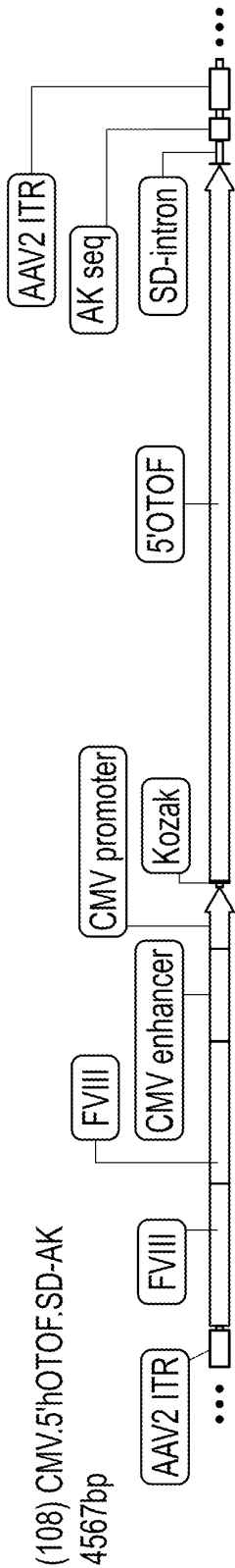


FIG. 57

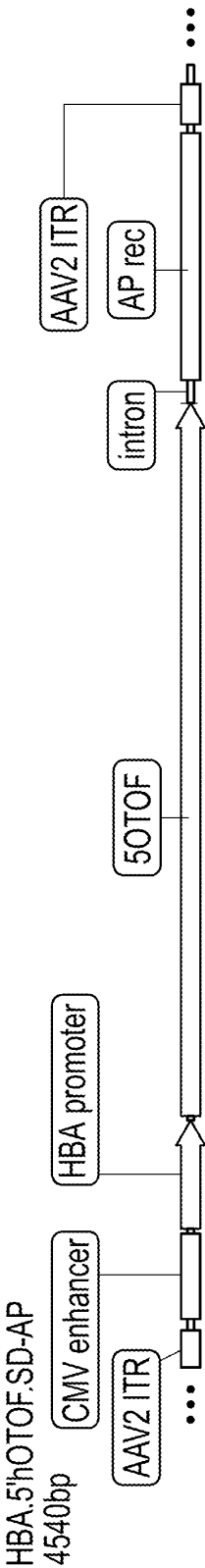


FIG. 58

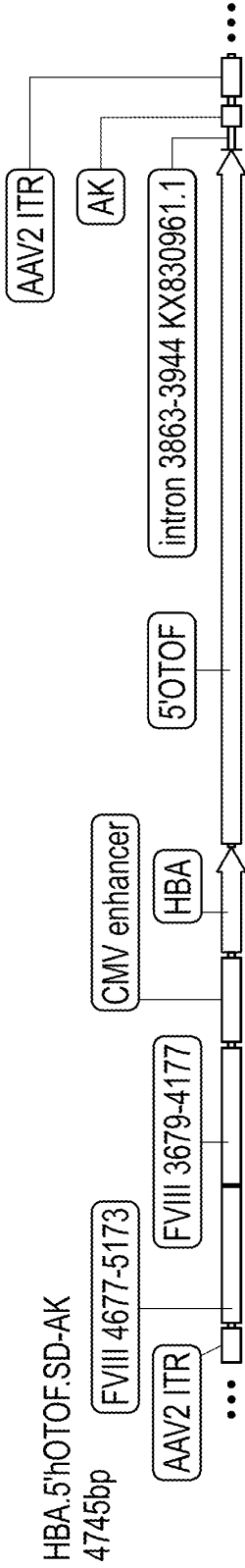


FIG. 59

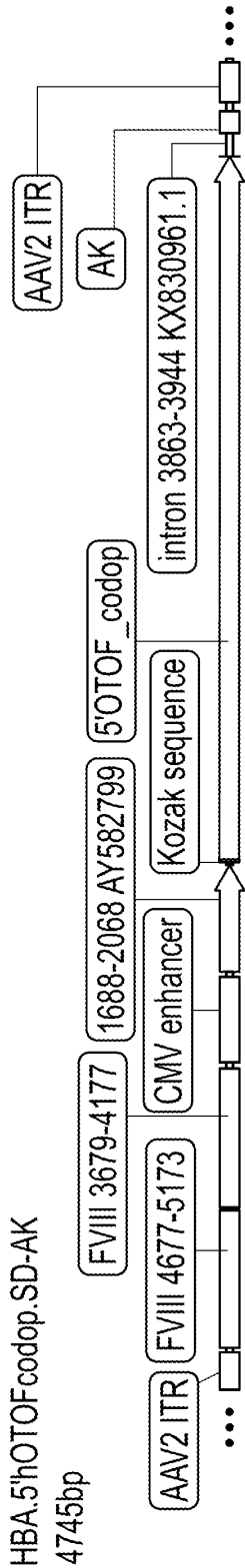


FIG. 60

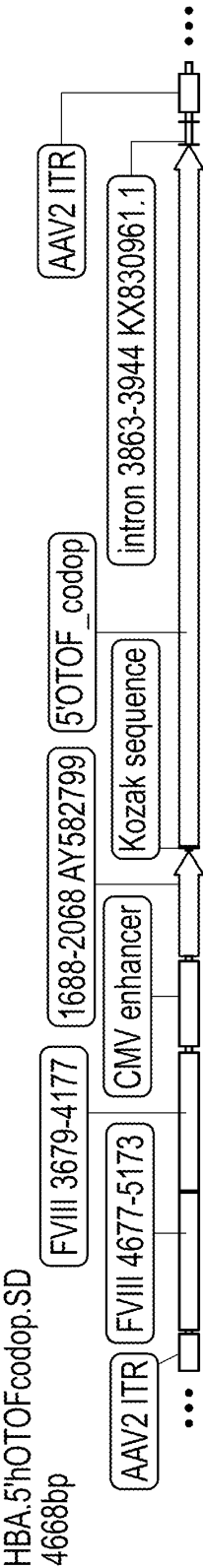


FIG. 61

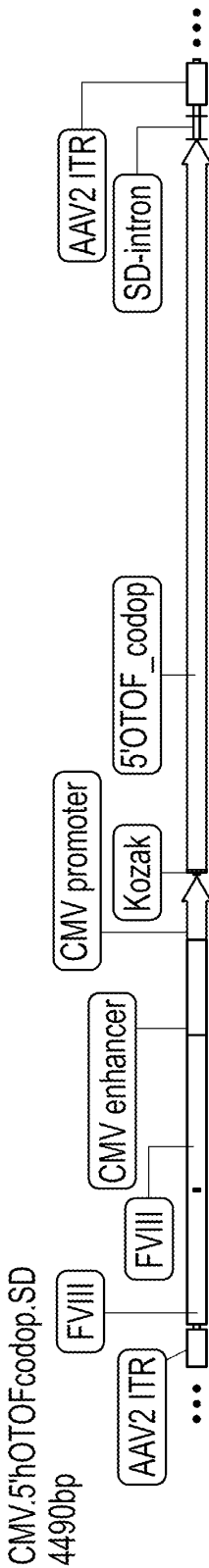


FIG. 62

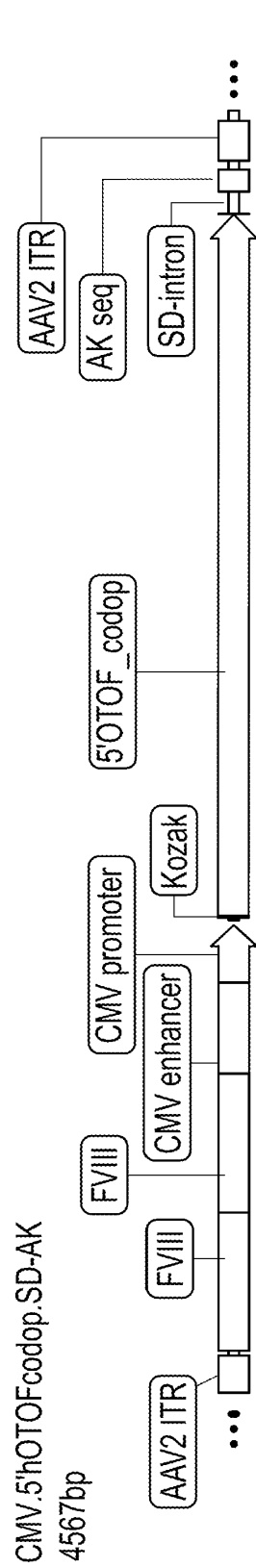


FIG. 63

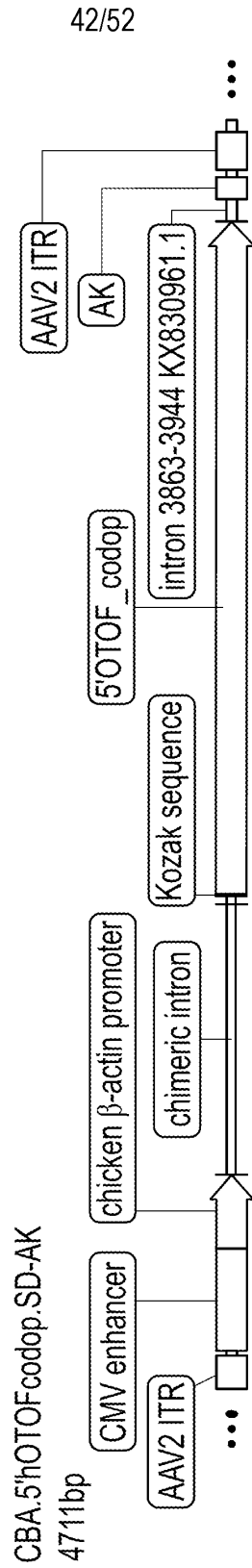


FIG. 64

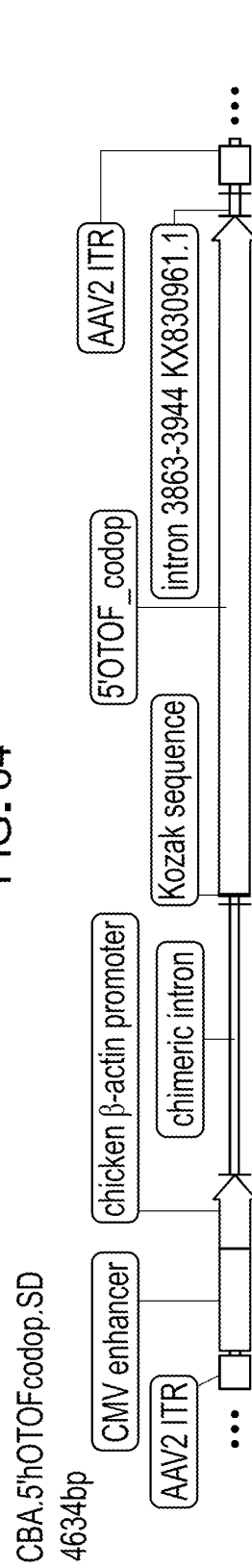


FIG. 65

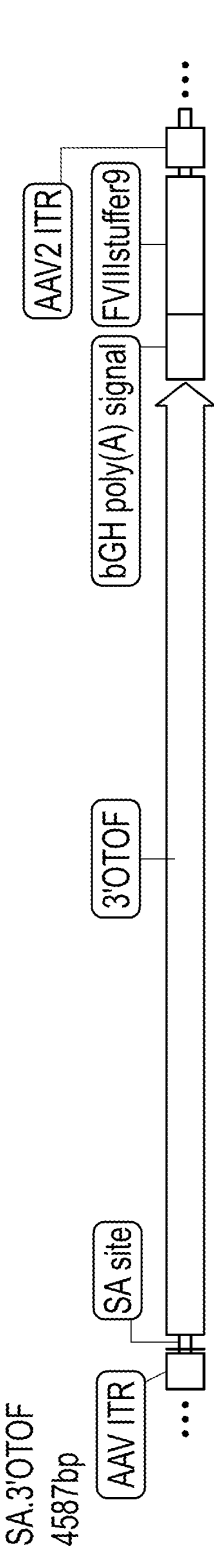


FIG. 66

SA.3'OTOF
4587bp

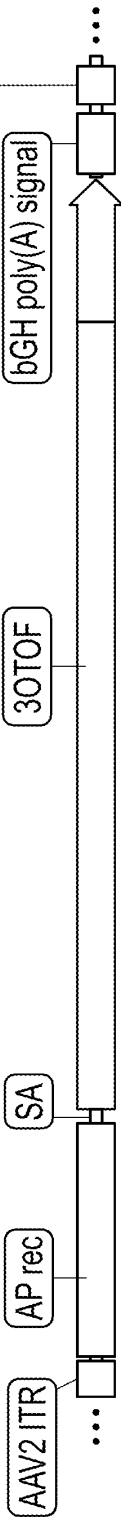


FIG. 67

AP-SA.3'OTOFcodop
4664bp

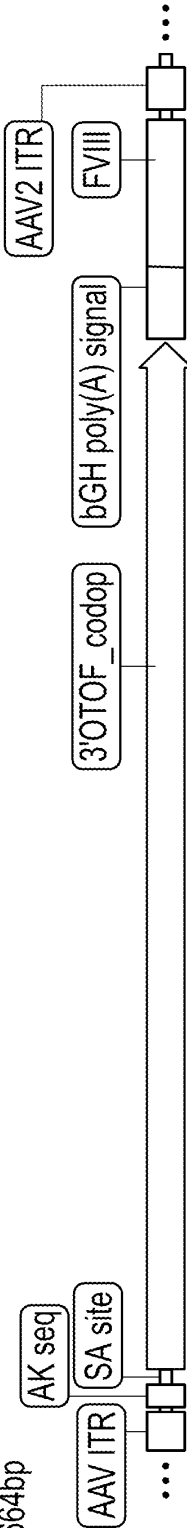
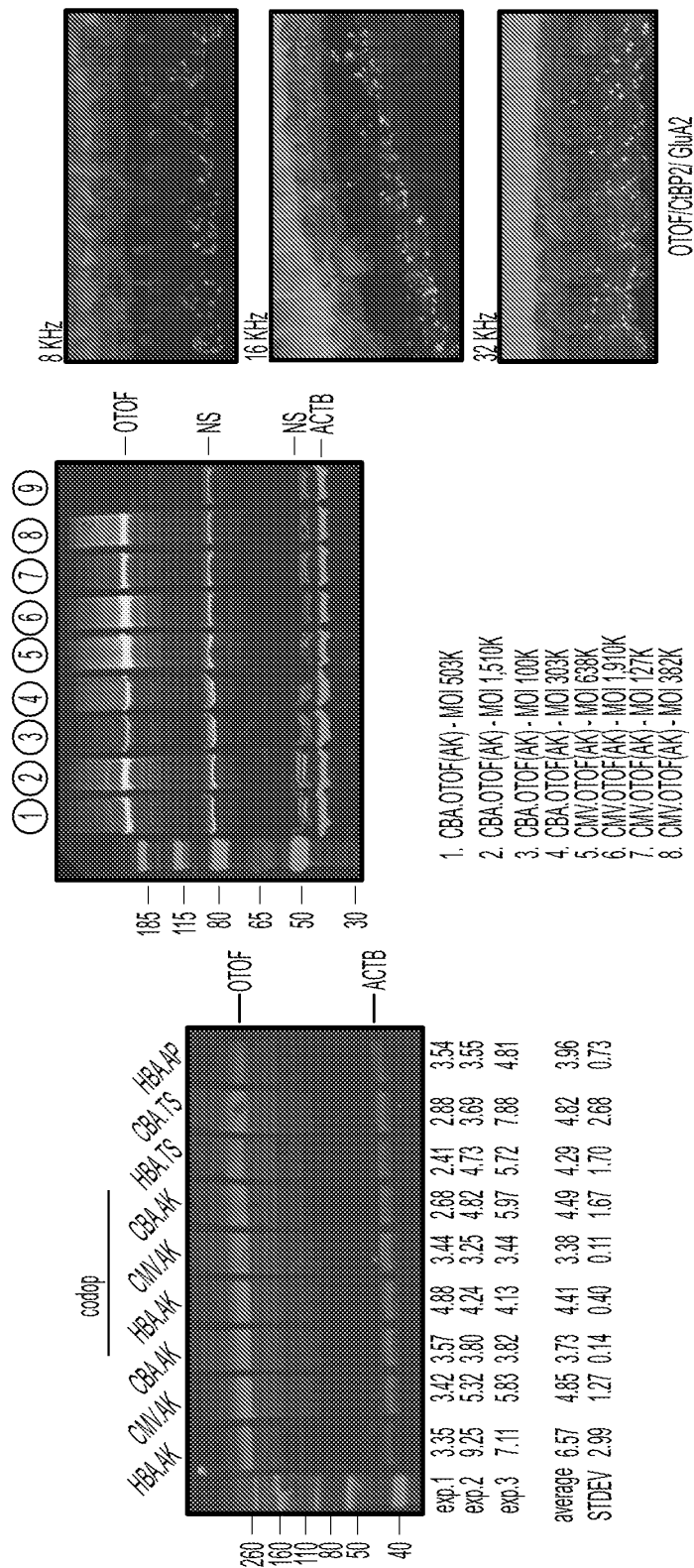


FIG. 68



45/52

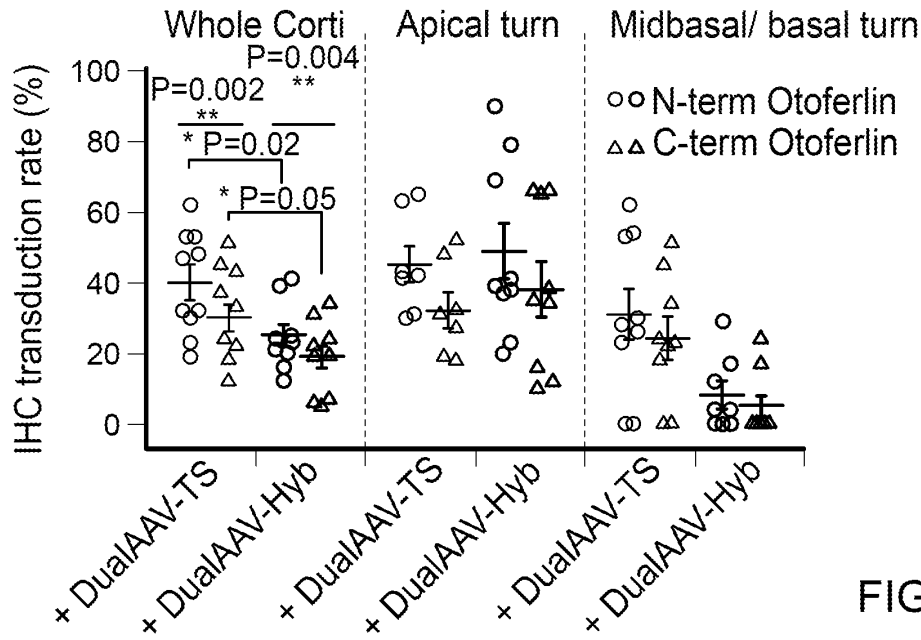


FIG. 72

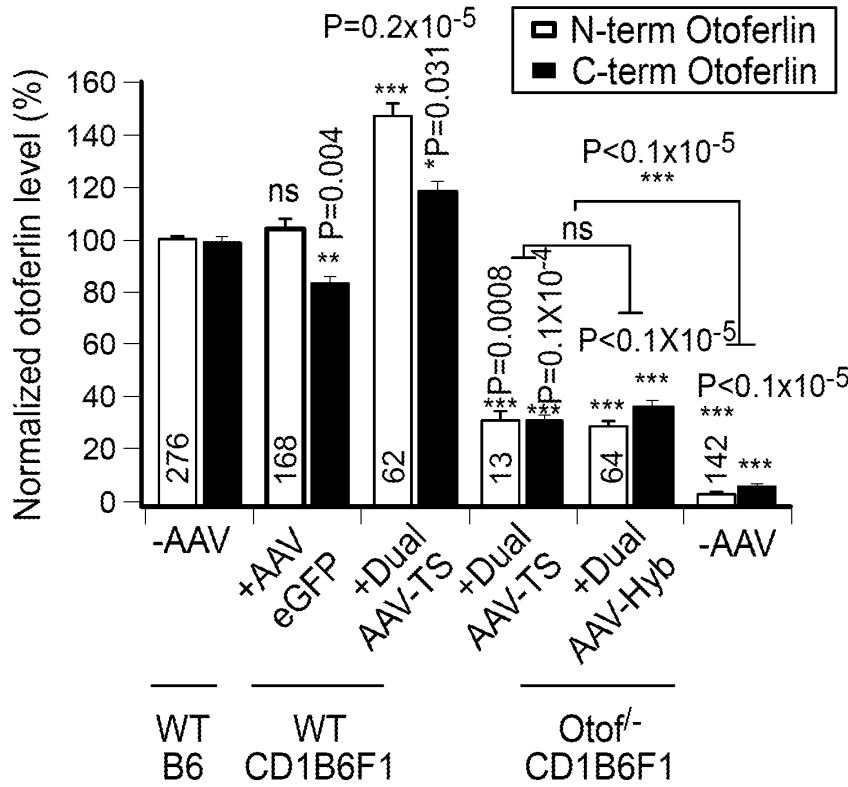


FIG. 73

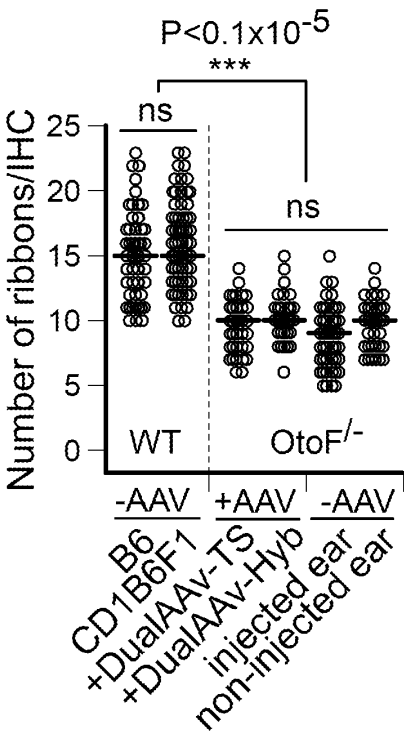


FIG. 74

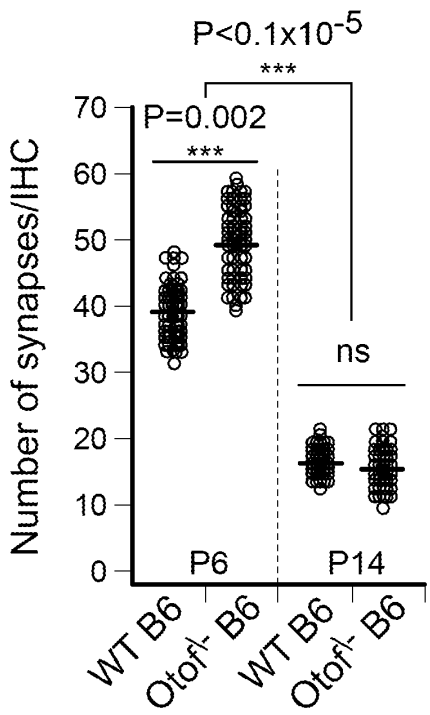


FIG. 75

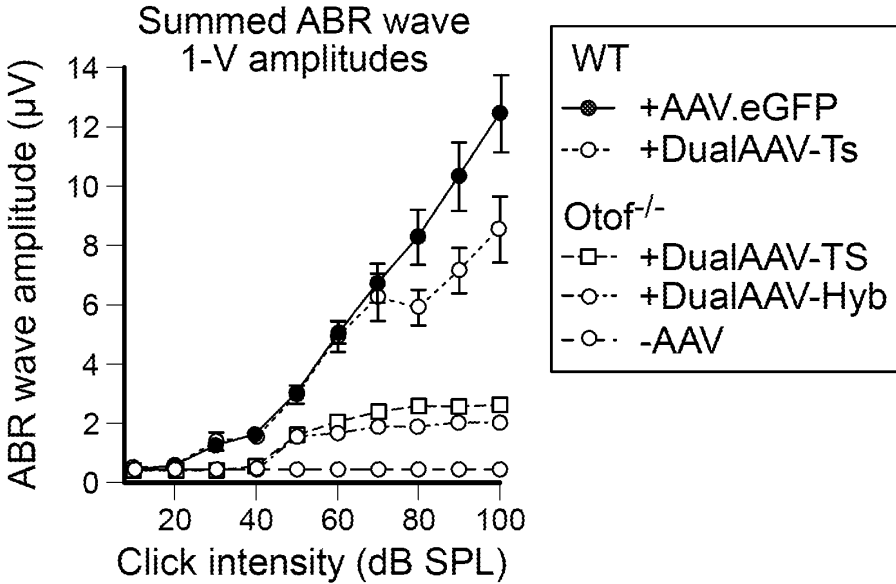


FIG. 76

47/52

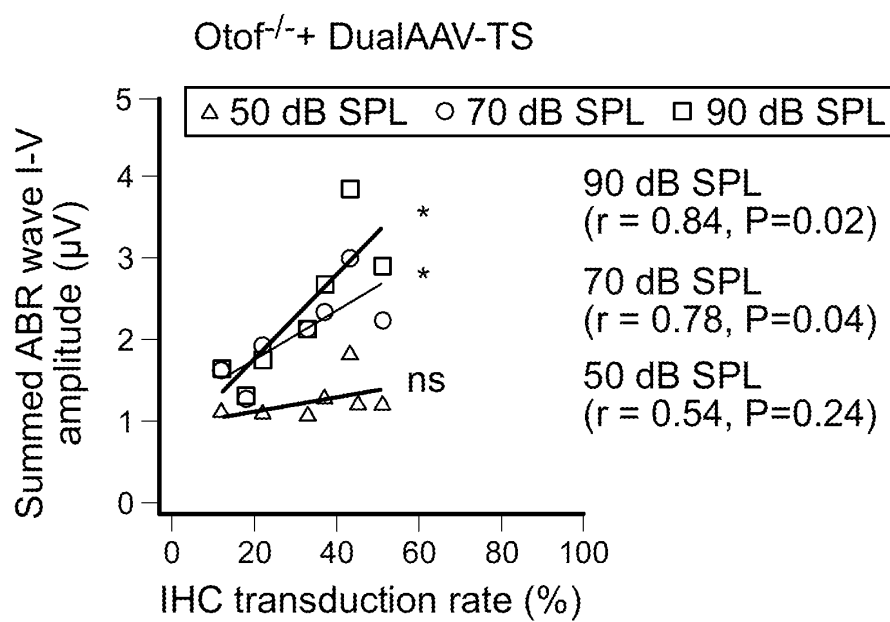


FIG. 77

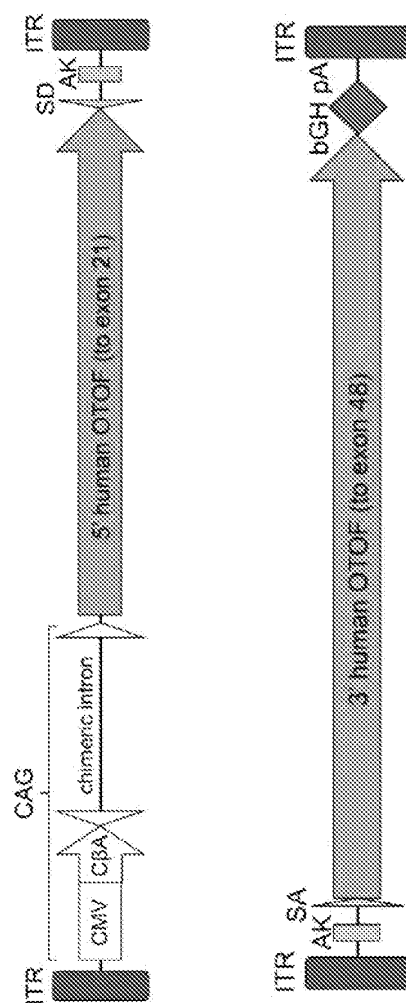


FIG. 78

49/52

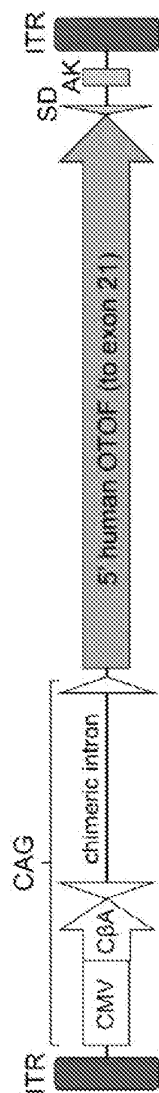


FIG. 79

50/52

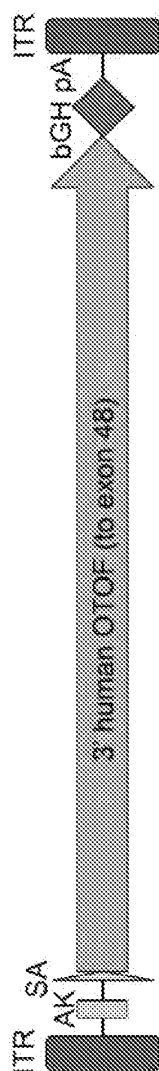


FIG. 80

51/52

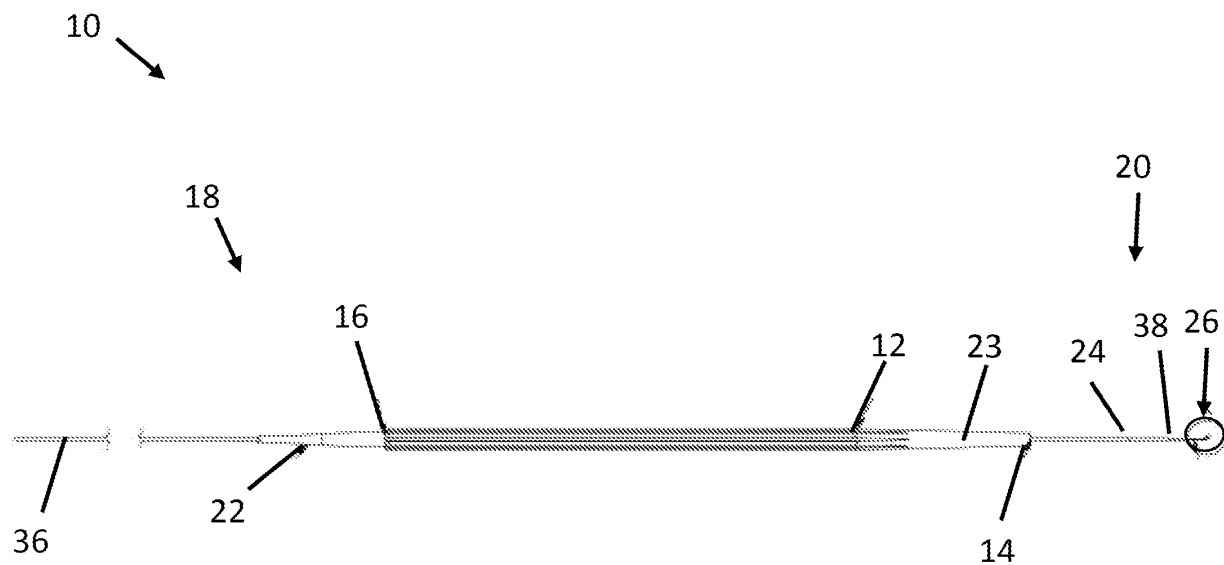


FIG. 81

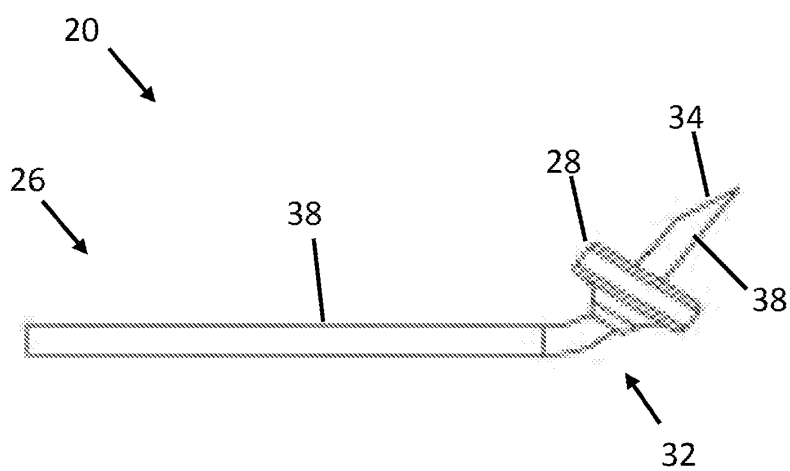


FIG. 82

52/52

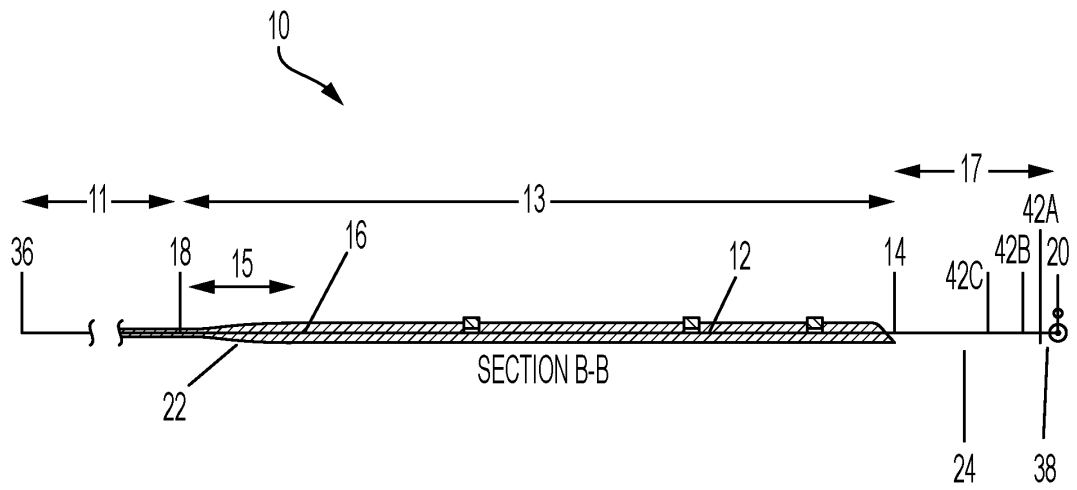


FIG. 83

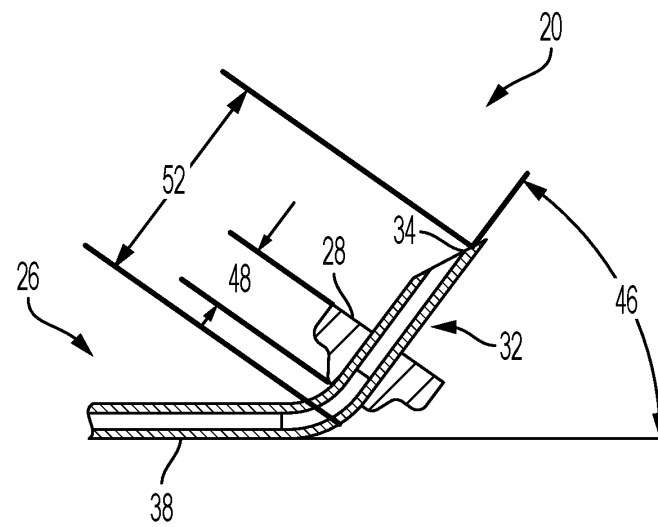


FIG. 84