

FIGURE 1

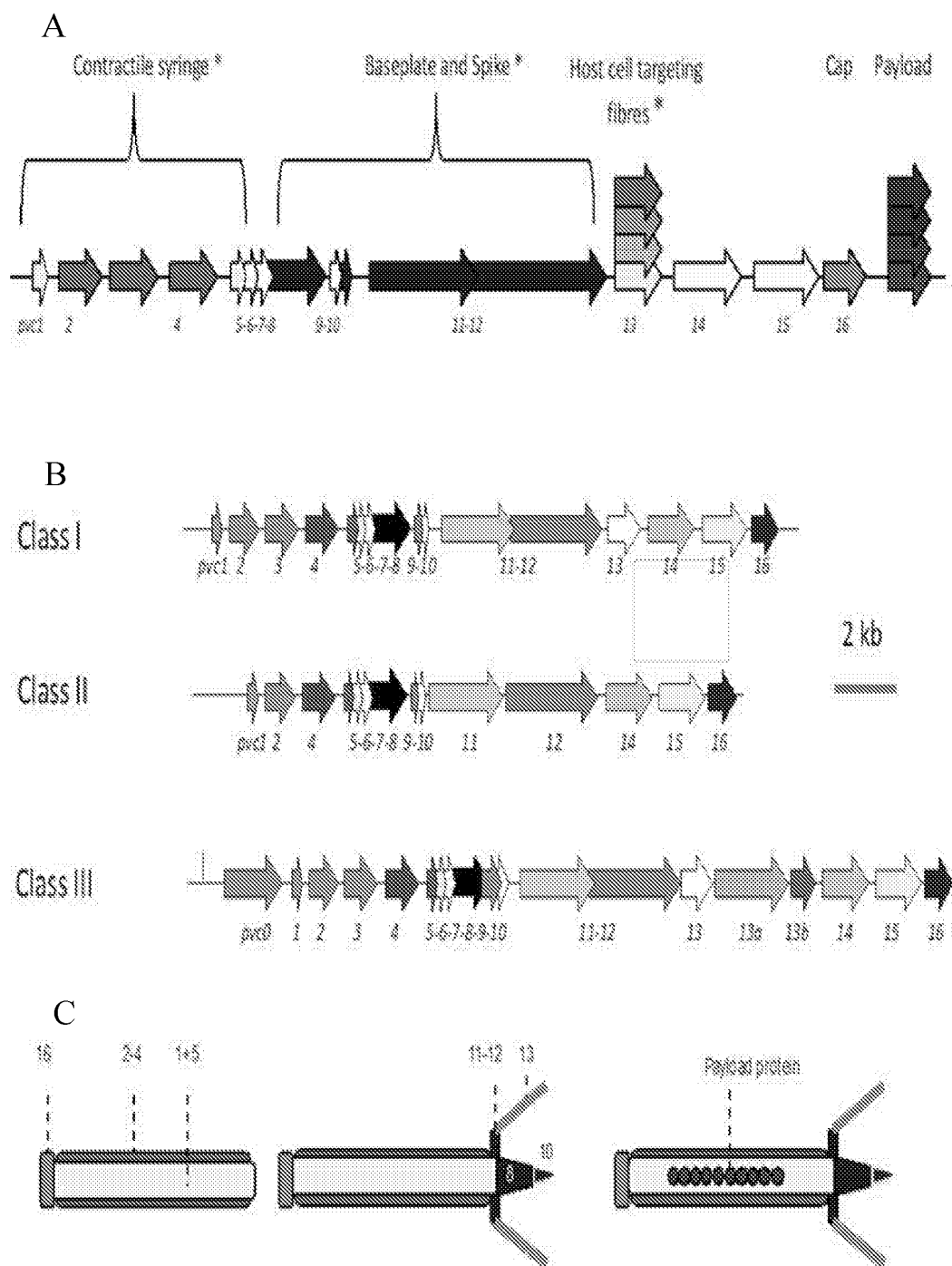
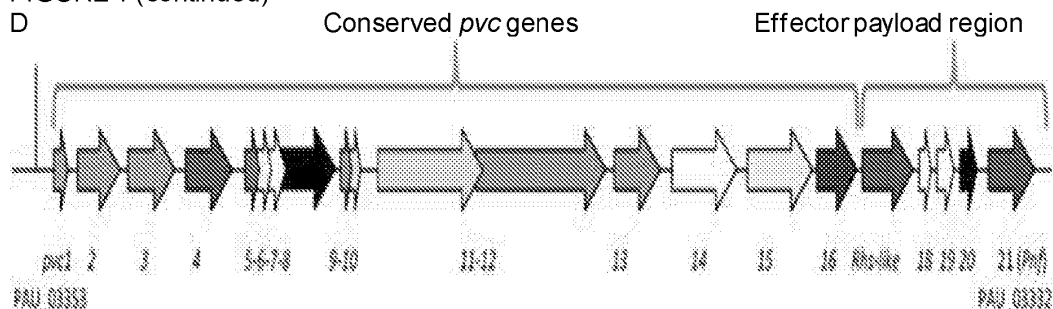


FIGURE 1 (continued)



Locus	Locus Tag	PDB Hit	I Probab	E-Value	P-Value	Score	Protein Function/Description
PVCpnf_1	PAU_03353	6RAP	99.8	3.70E-24	5.90E-29	147.9	Inner sheath tube protein
PVCpnf_2	PAU_03352	6RAP	100	2.30E-60	3.70E-65	427.9	Major outer sheath protein
PVCpnf_3	PAU_03351	6J0N	100	1.70E-74	2.80E-79	524	Minor outer sheath protein and tail fibre docking region
PVCpnf_4	PAU_03350	6RBN	100	4.80E-52	7.60E-57	380.4	Outer sheath tube initiator complex subunit
PVCpnf_5	PAU_03349	6RAO	99.8	5.30E-23	8.40E-28	141.1	Inner sheath tube initiator complex subunit
PVCpnf_6	PAU_03348	3SLS	75.1	1.60E+00	2.50E-05	26.7	Unknown (NR)
PVCpnf_7	PAU_03347	6J0N	99.9	2.10E-28	3.30E-33	183.8	Outer sheath tube initiator complex subunit
PVCpnf_8	PAU_03346	6J0M	100	4.70E-61	7.50E-66	425.4	vgrG-like major spike protein
PVCpnf_9	PAU_03345	6J0N	99.8	1.10E-25	1.80E-30	151.7	Baseplate/spike hub organizing subunit
PVCpnf_10	PAU_03344	1WEY	71	2.40E+00	3.70E-05	26.9	PAAR-like spike tip protein
PVCpnf_11	PAU_03343	6J0N	100	2.00E-130	3.00E-135	1002.4	Major baseplate complex subunit
PVCpnf_12	PAU_03342	6J0N	100	3.00E-246	5.00E-251	1989.6	Major baseplate complex subunit
PVCpnf_13	PAU_03341	2XGF	90.7	7.90E-02	1.30E-06	48.9	Tail fibre
PVCpnf_14	PAU_03340	3C9P	28.5	3.80E+01	6.10E-04	31.5	Putative tape measure protein (NR)
PVCpnf_15	PAU_03339	6FVV	99.8	2.20E-23	3.50E-28	202.1	Putative payload loading AAA+ ATPase (NR)
PVCpnf_16	PAU_03338	6J0F	100	3.10E-62	4.90E-67	425.3	Tube terminator/cap protein complex subunit
PVCpnf_17	PAU_03337	5XNW	97.3	1.40E-06	2.20E-11	82.4	Adenylate cyclase ExoY virulence effector (P. aeruginosa)
PVCpnf_18	PAU_03336	2I0X	74.2	1.70E+00	2.80E-05	25.3	Unknown function
PVCpnf_19	PAU_03334	3L3U	75.5	1.50E+00	2.40E-05	23.4	Unknown function
PVCpnf_20	PAU_03333	5Z72	99.7	1.40E-20	2.20E-25	117.8	Unknown function (likely LysR type regulator)
PVCpnf_21	PAU_03332	1HQ0	100	2.60E-54	4.10E-59	390.4	>1HQ0_A CYTOTOXIC NECROTIZING FACTOR 1

FIGURE 2

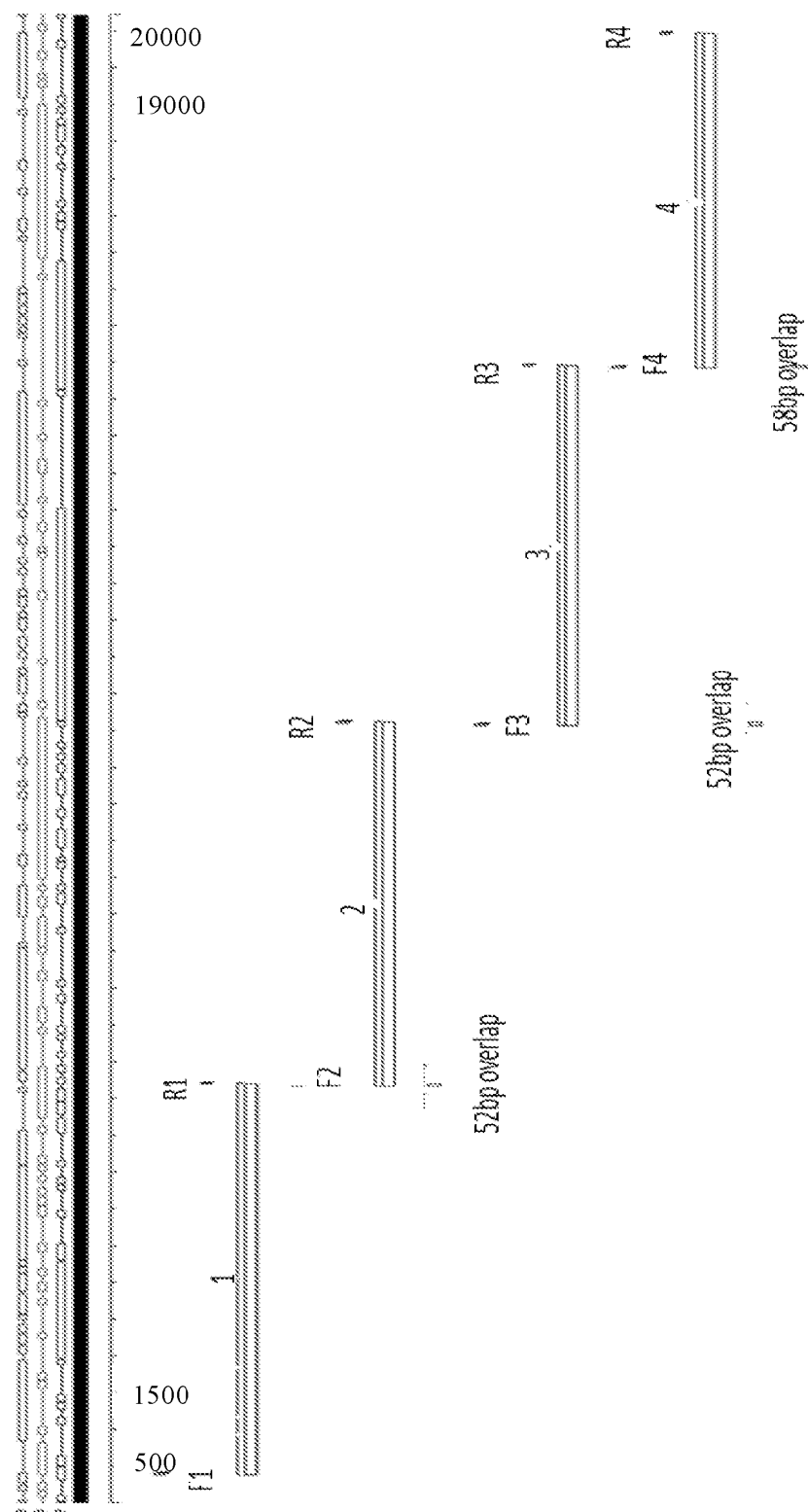


FIGURE 3

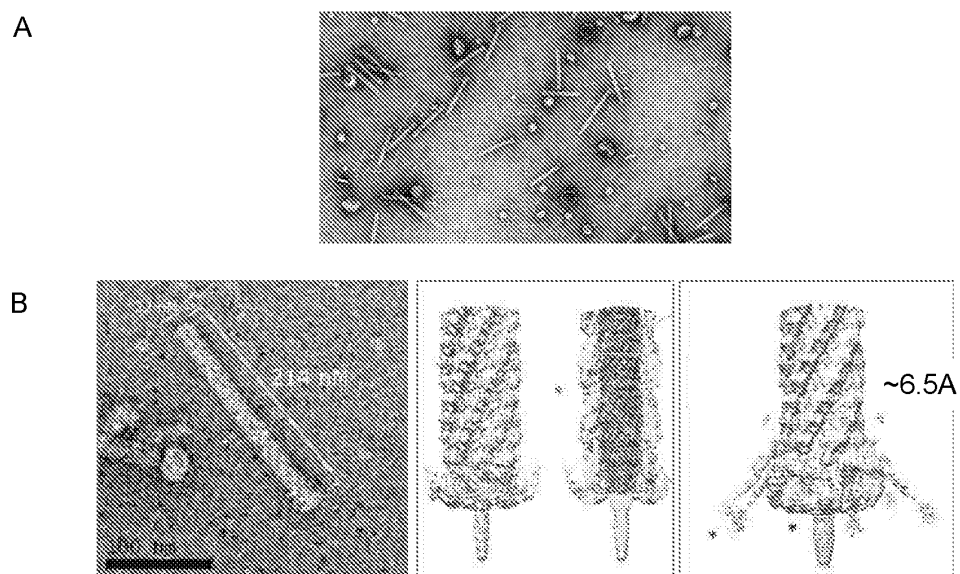


FIGURE 4

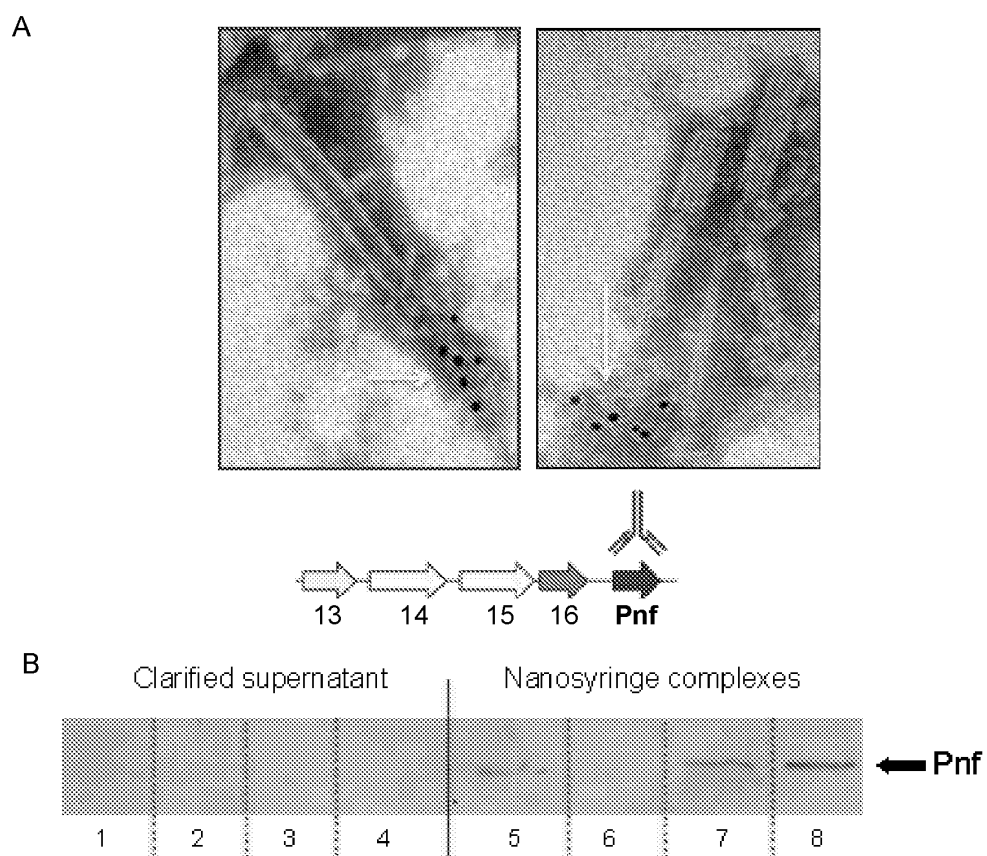


FIGURE 5

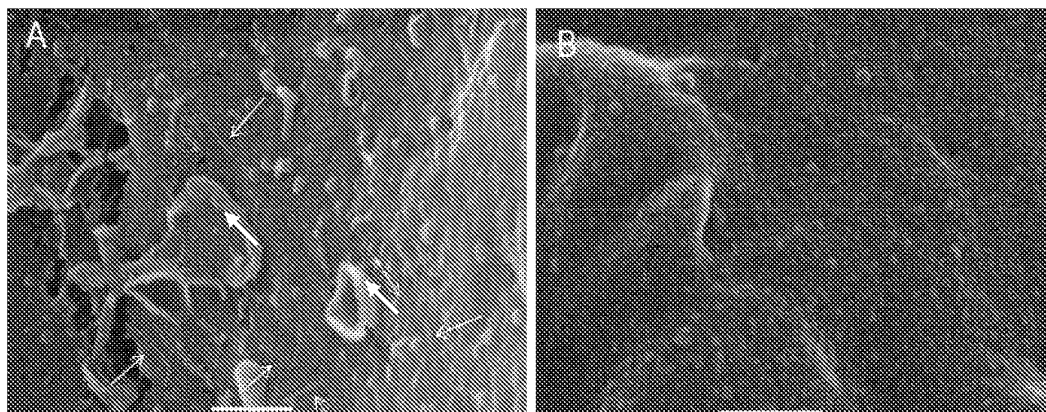


FIGURE 6

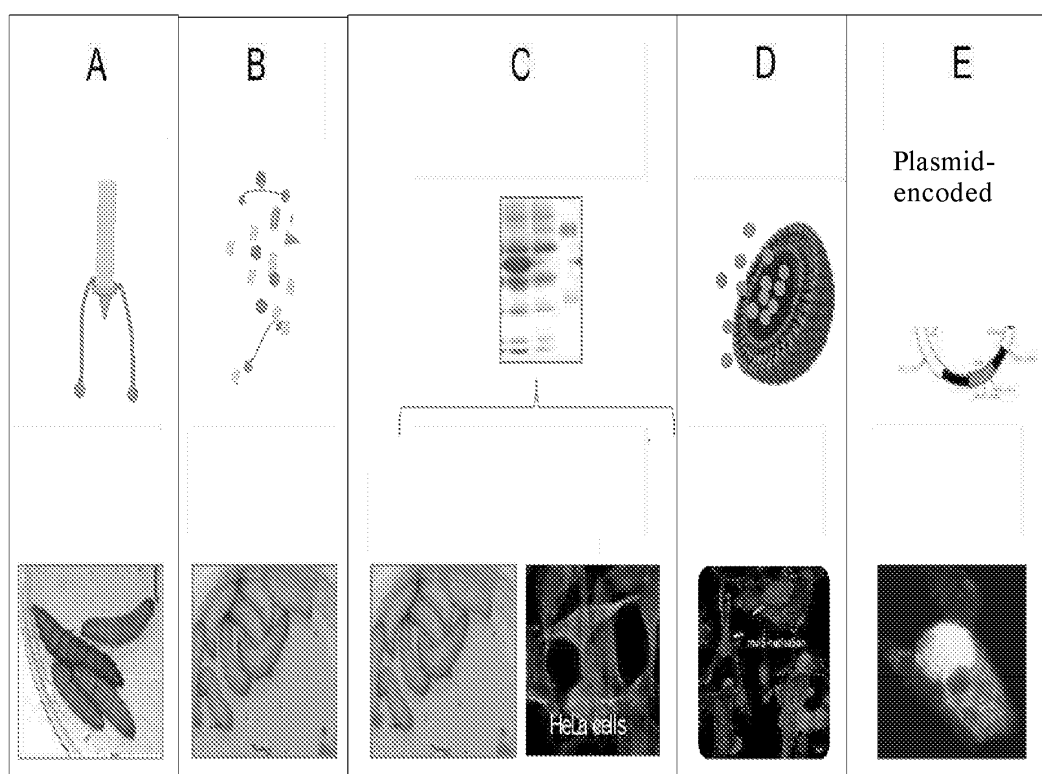


FIGURE 6 (continued)

F

Resazurin assay for respiration in THP1 derived human macrophage

Effect on *Galleria*

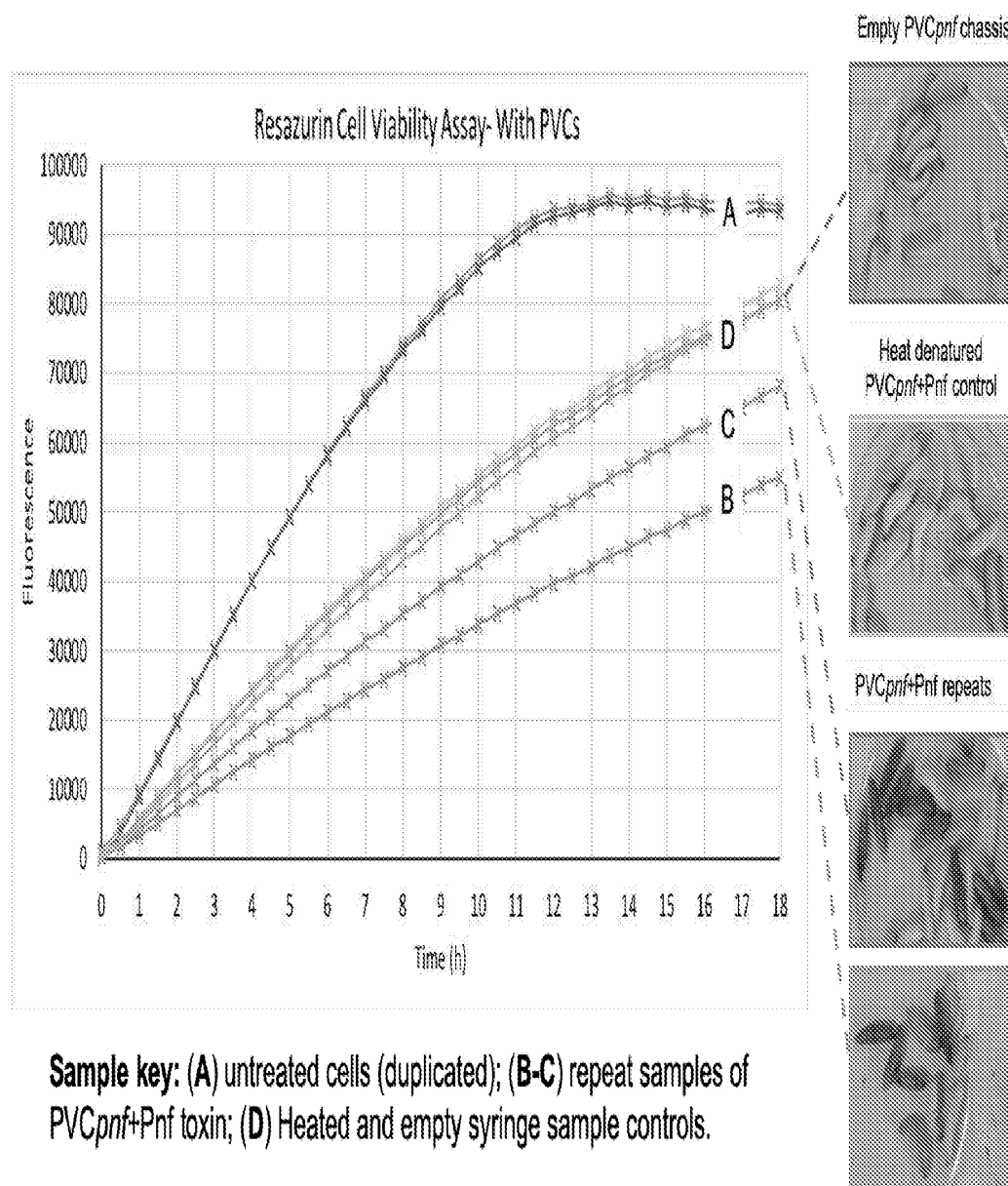
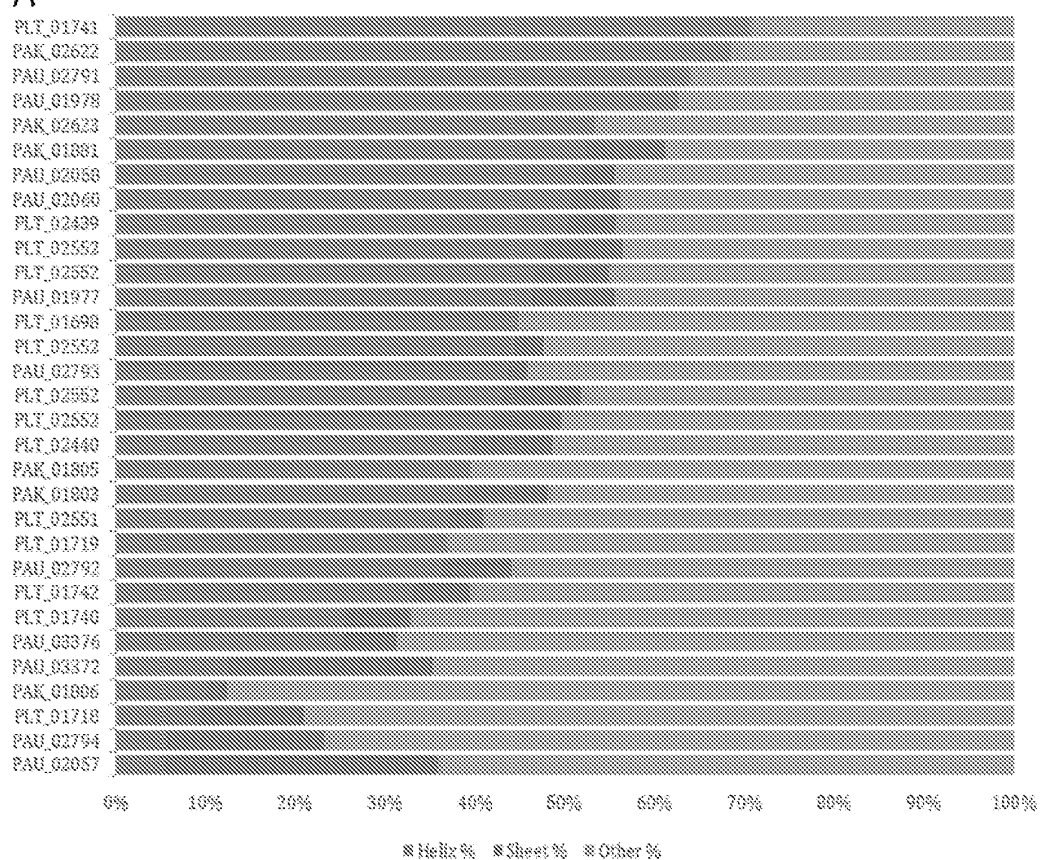


FIGURE 7

A



B

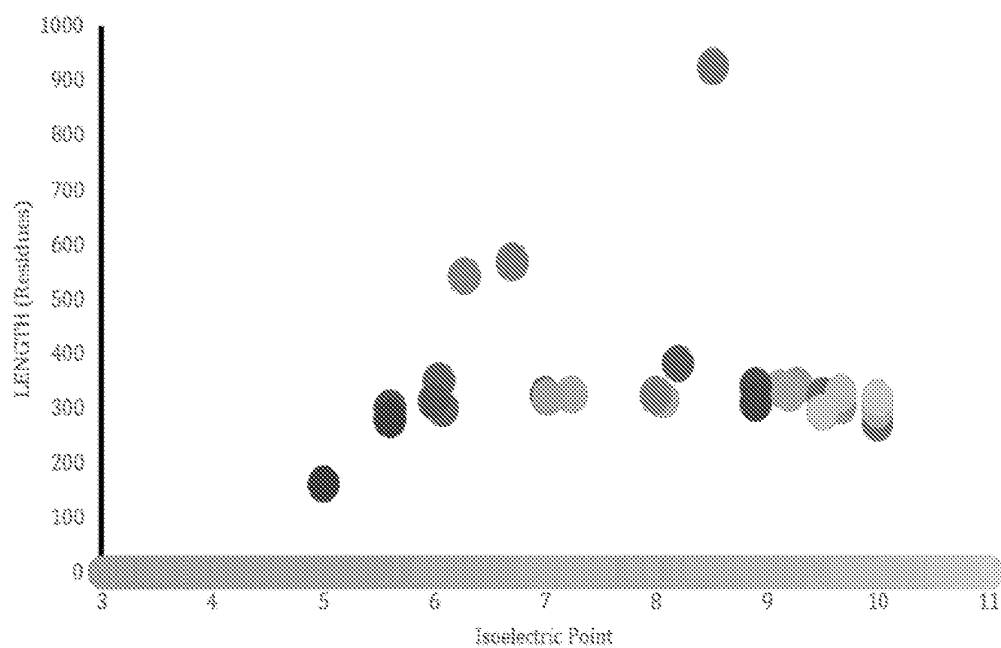
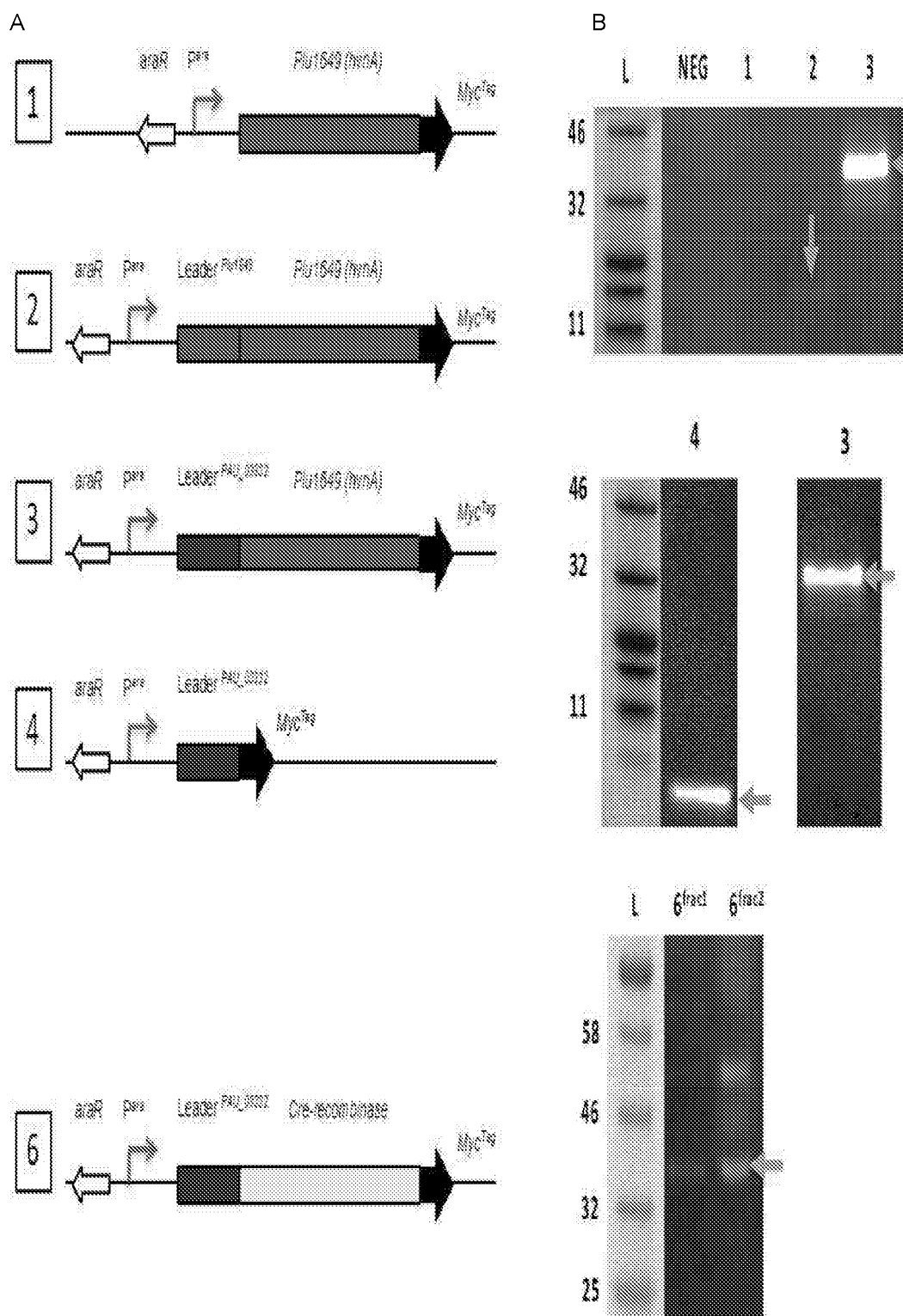


FIGURE 8



	-ve	+ve	-ve	+ve
L_PAE_1986_cif.pro	---MREYSEKEDQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_1987.pro	MFKQRI-MEKITQSGNGHTLDPMT--DGLYLEIPWVEAVTLAYQ-KLISKYNE			
L_PAE_1988.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_2078_CNF.pro	-MNTYEDIVTQNDT-QIKHNEYTV-VNGHYV-DEQEGHNNNN-IRISLAND			
L_PAE_2077.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_2082_pvc17.pro	-MNTYEDIVTQNDT-QIKHNEYTV-VNGHYV-DEQEGHNNNN-IRISLAND			
L_PAE_2083.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_2084.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_2085_pnf.pro	-MNTYEDIVTQNDT-QIKHNEYTV-VNGHYV-DEQEGHNNNN-IRISLAND			
L_PAE_00148_cif.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00149.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00150.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00152.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00209_pvc17.pro	-MNTYEDIVTQNDT-QIKHNEYTV-VNGHYV-DEQEGHNNNN-IRISLAND			
L_PAE_00209_gog8.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00210.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00216.dns.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00257.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00271.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00272.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00277.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00299.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00310.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00398.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00399.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00404.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00407.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00408.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00409_pvc17.pro	-MNTYEDIVTQNDT-QIKHNEYTV-VNGHYV-DEQEGHNNNN-IRISLAND			
L_PAE_00406_gog81.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00407_gog82.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00422_pnf.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00427.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00481_pvc17.pro	-MNTYEDIVTQNDT-QIKHNEYTV-VNGHYV-DEQEGHNNNN-IRISLAND			
L_Plu1671.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu1672.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu1680.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu1691.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu1712.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu1713.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu1714_short.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu3400.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu2401_log7.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu2514.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_Plu2515.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			
L_PAE_00230.pro	---MREYSEKQKNNKLNKAI--NVEADNYLEKLTVLAK-LIGTERENH			

FIGURE 10

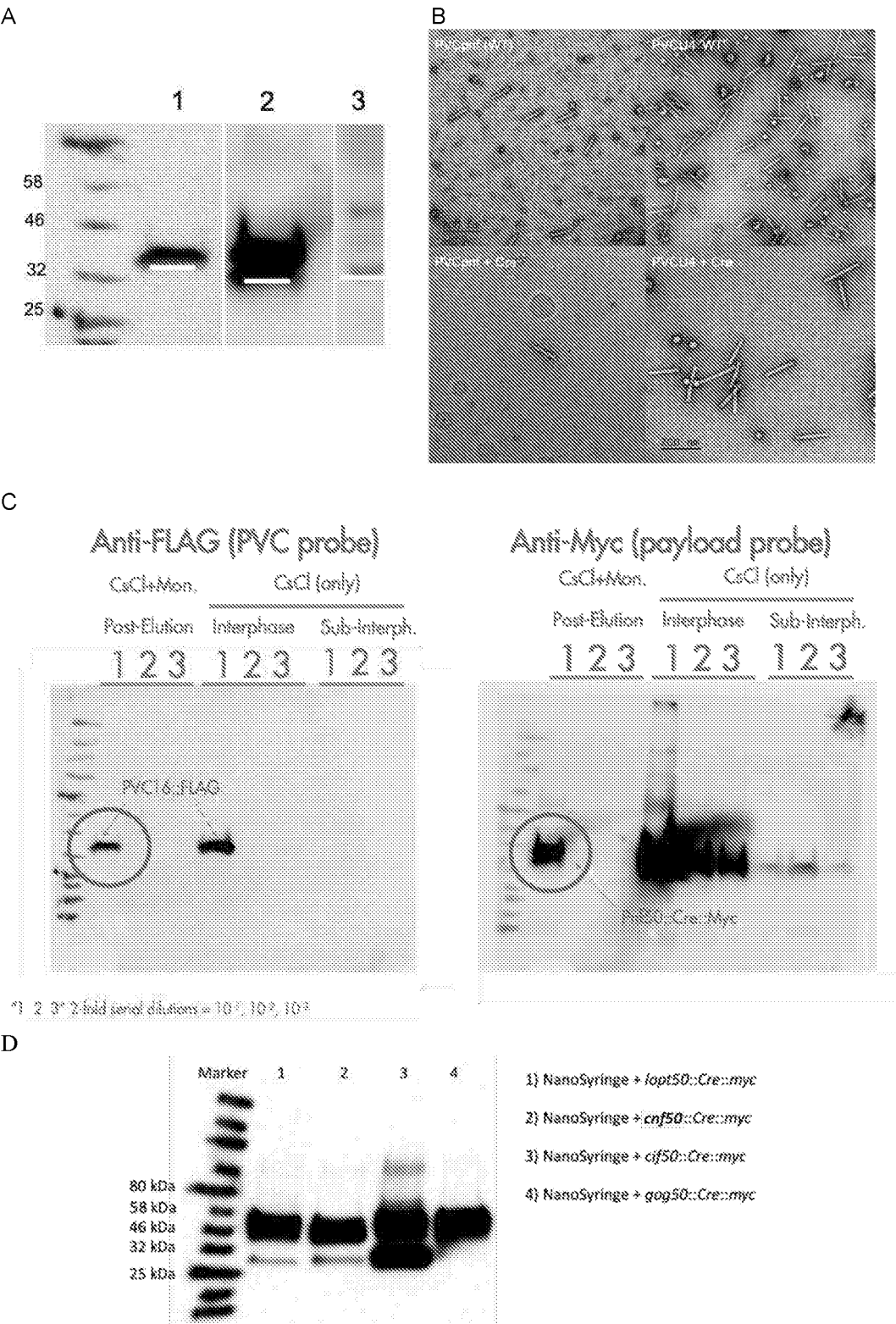


FIGURE 10 (continued)

E

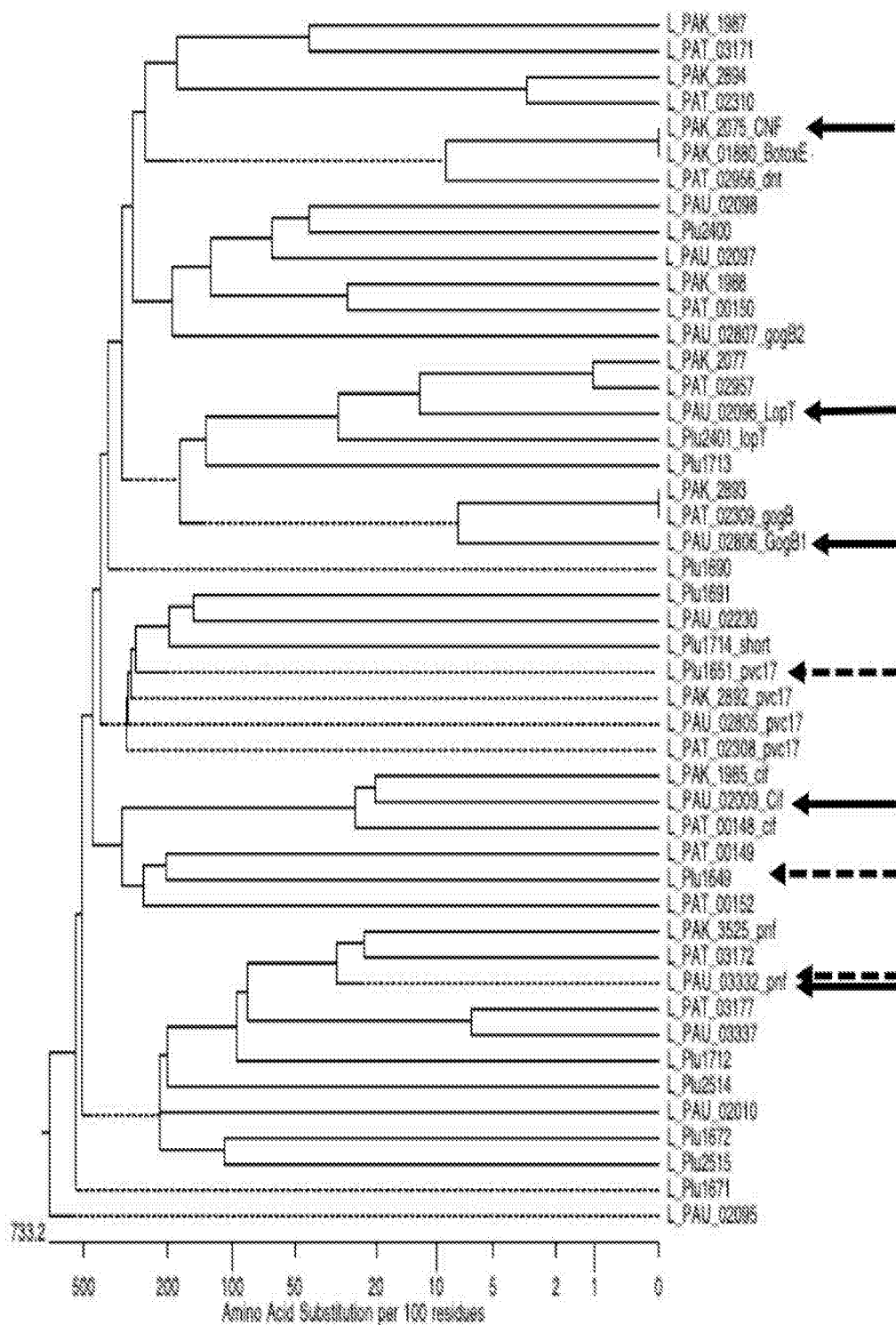


FIGURE 11

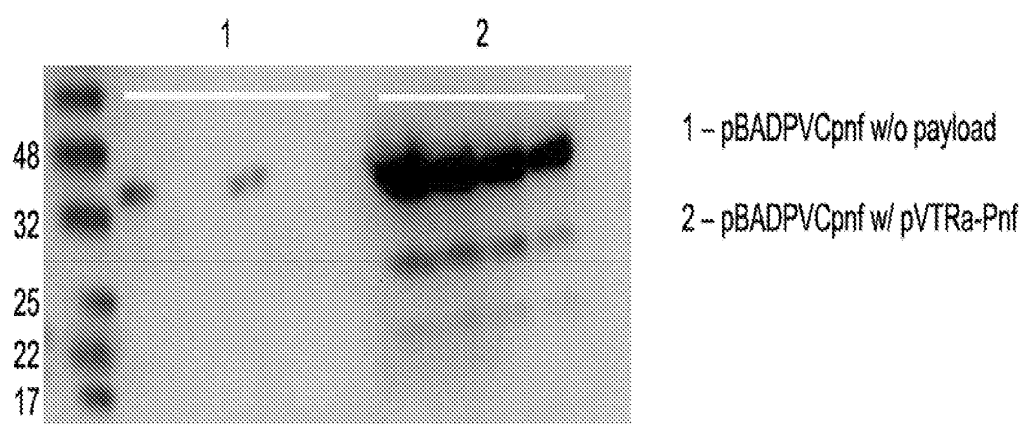


FIGURE 12

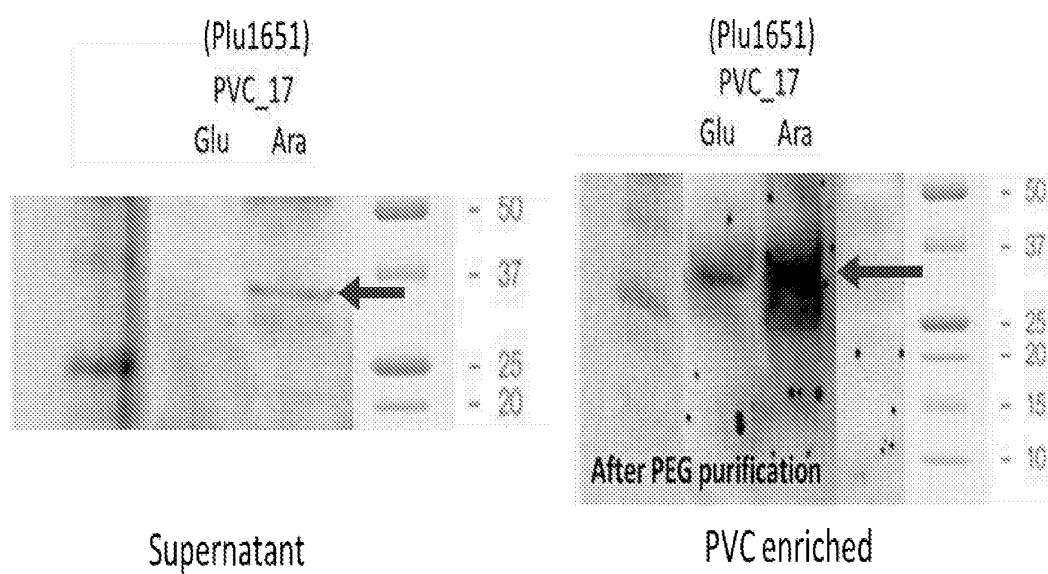


FIGURE 13

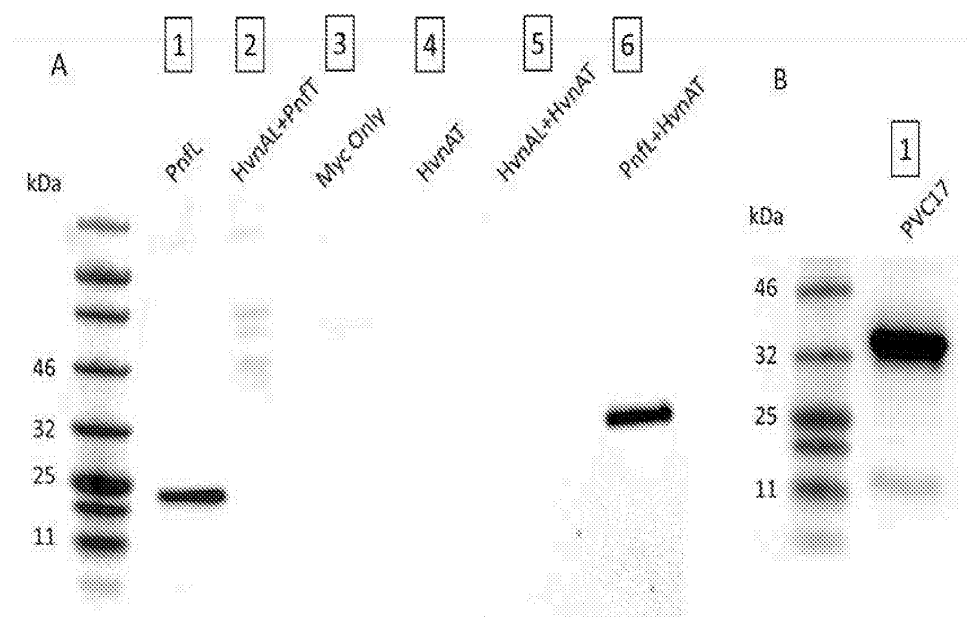


FIGURE 14

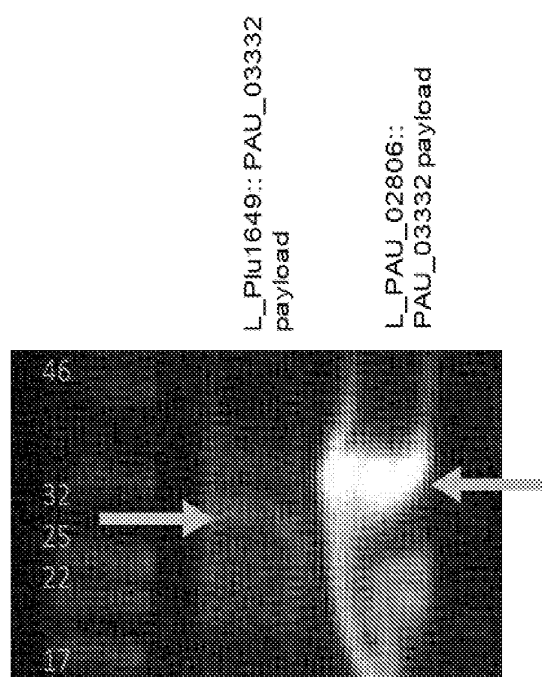


FIGURE 15

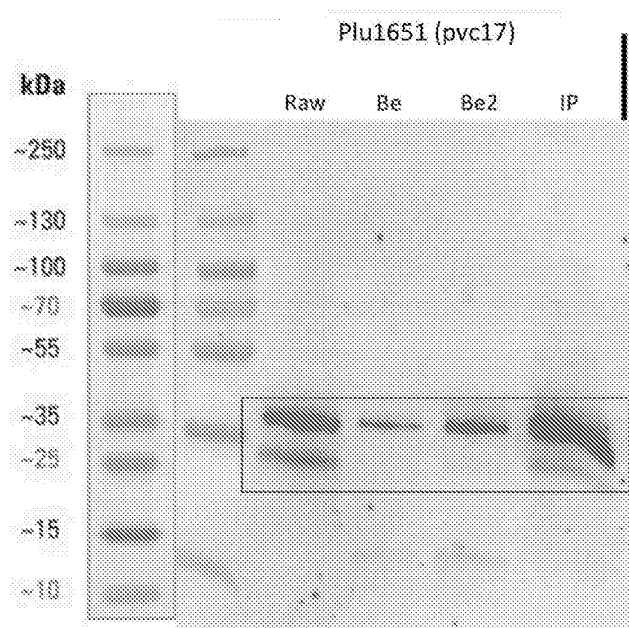


FIGURE 16

A

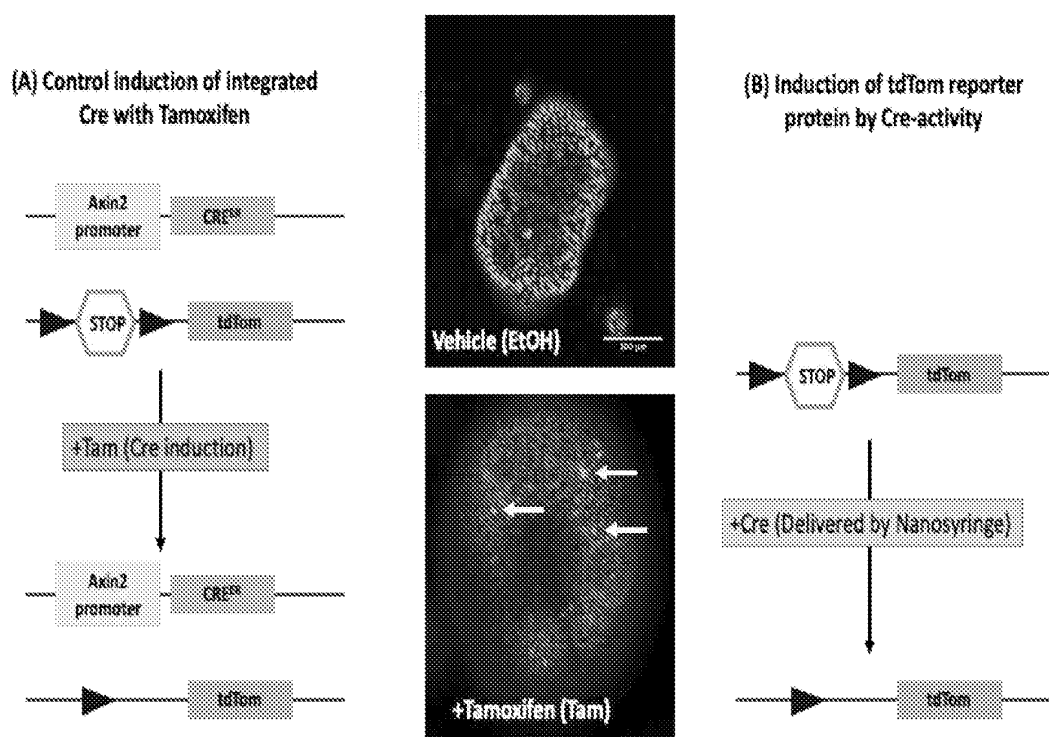
Axin2^{CRE^{ER}} R26-LSL-tdTom organoid model: Preliminary test done on mouse bile duct organoids

FIGURE 16 (continued)

B

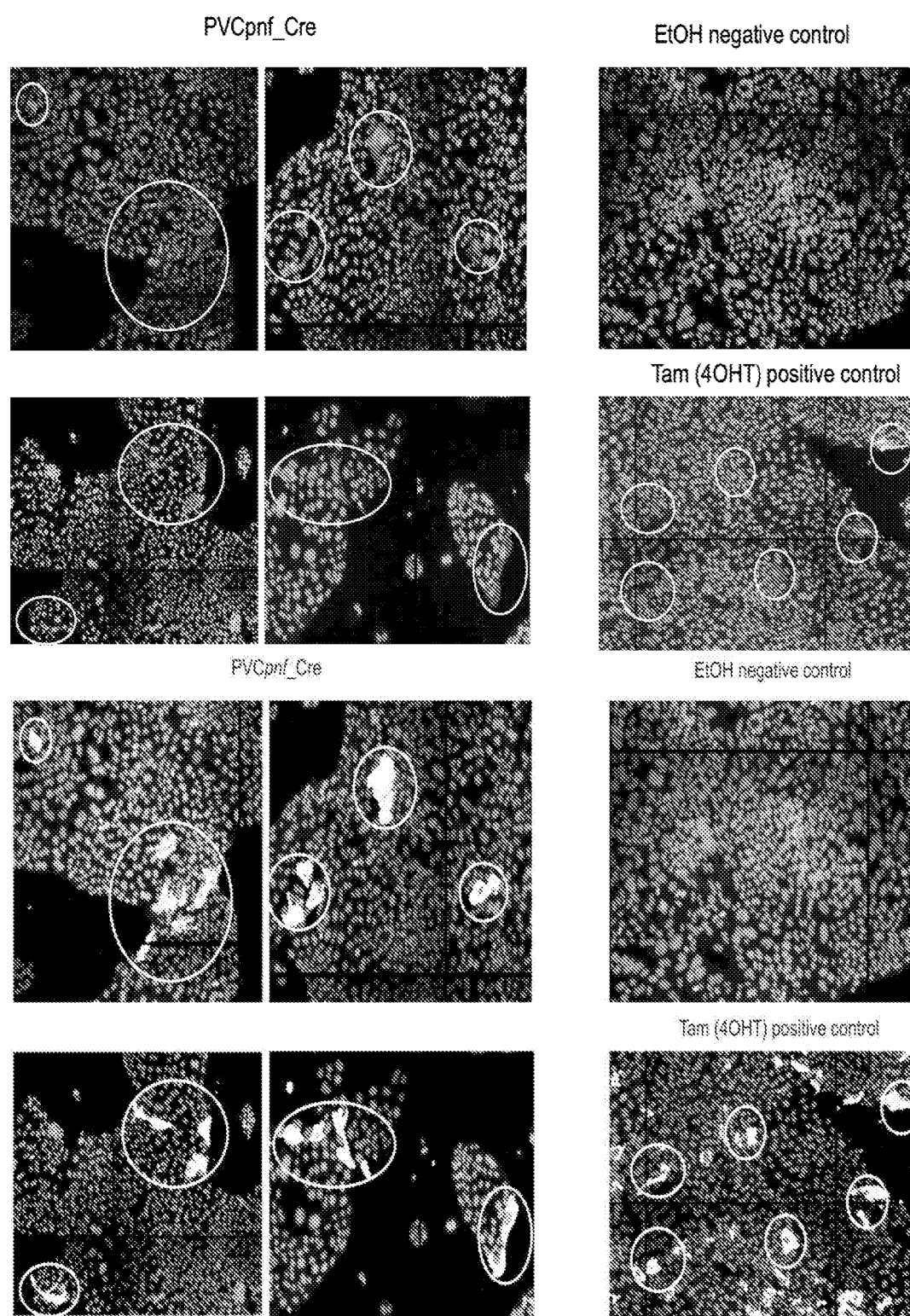


FIGURE 17

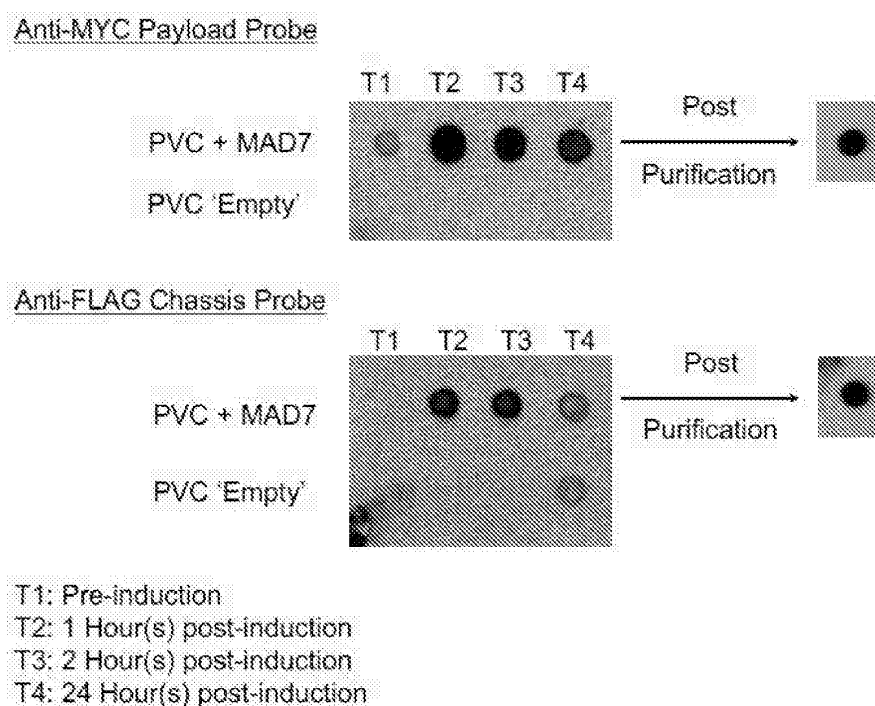


FIGURE 18

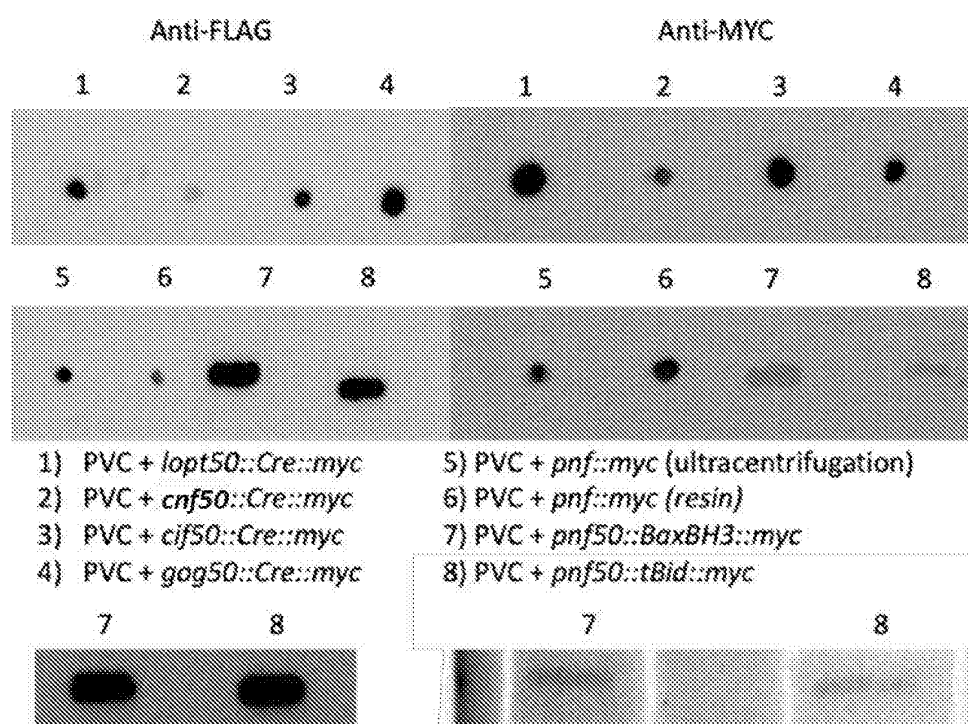
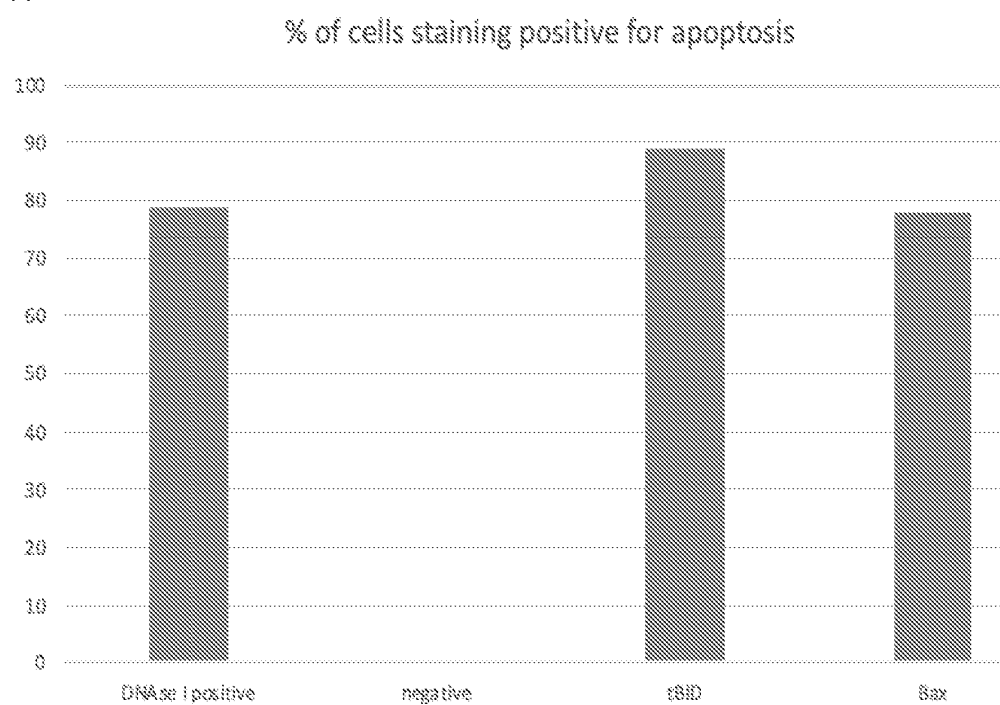


FIGURE 19

A



B

