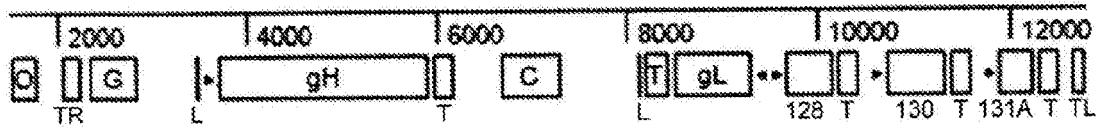


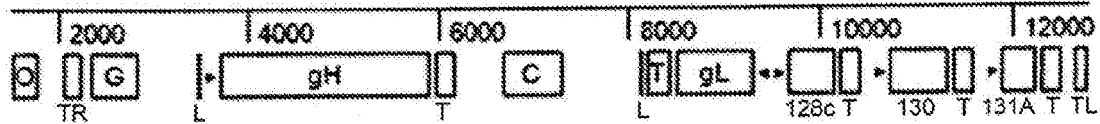
1/16

Figure 1

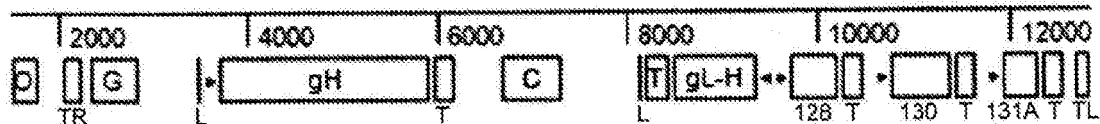
SEQ ID NO: 6



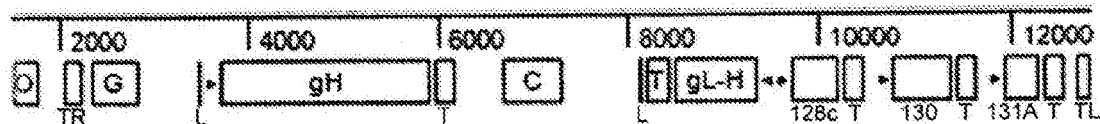
SEQ ID NO: 7



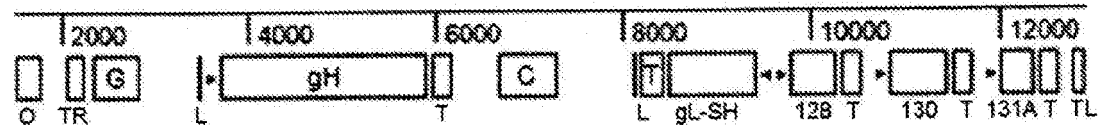
SEQ ID NO: 8



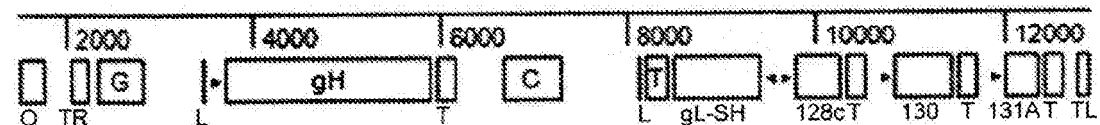
SEQ ID NO: 9



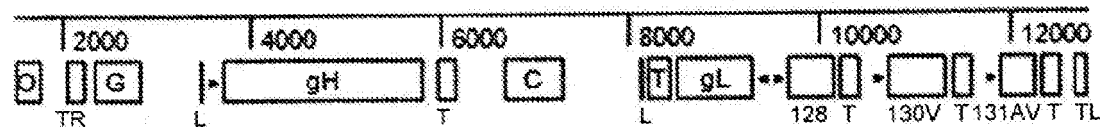
SEQ ID NO: 10



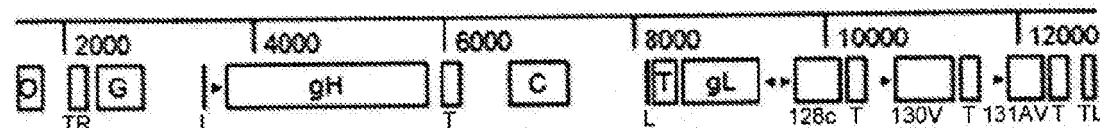
SEQ ID NO: 11



SEQ ID NO: 12



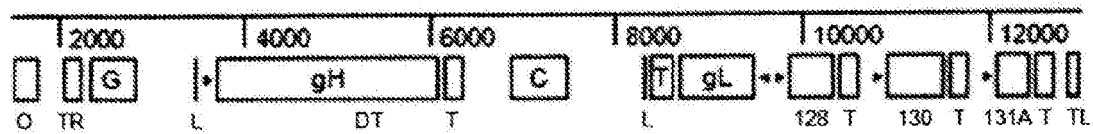
SEQ ID NO: 13



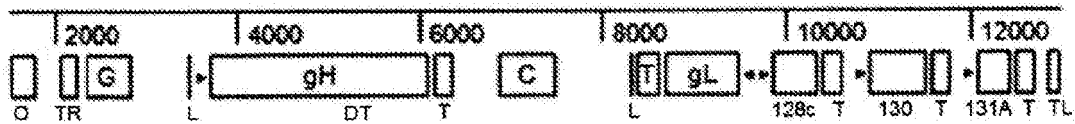
2/16

Figure 1 (continued)

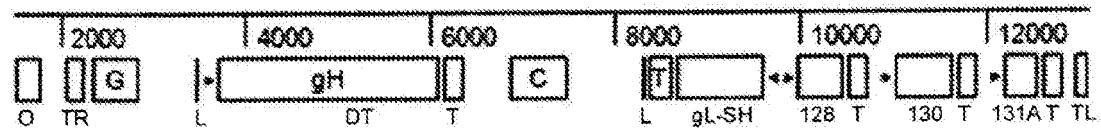
SEQ ID NO: 14



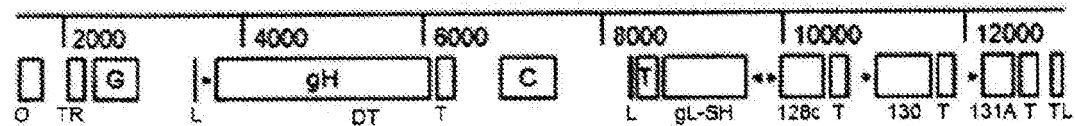
SEQ ID NO: 15



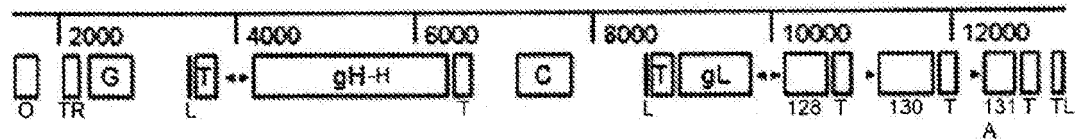
SEQ ID NO: 16



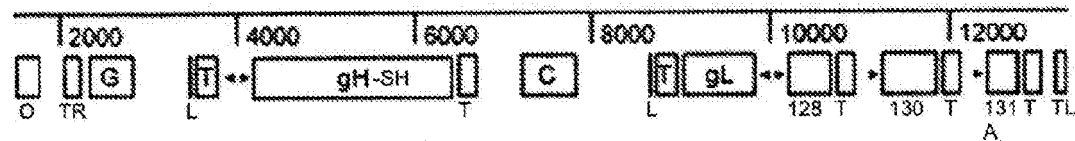
SEQ ID NO: 17



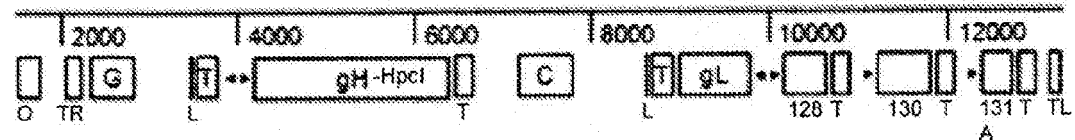
SEQ ID NO: 18



SEQ ID NO: 19



SEQ ID NO: 20



SEQ ID NO: 21

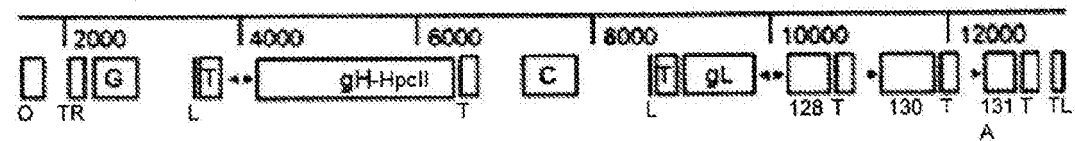
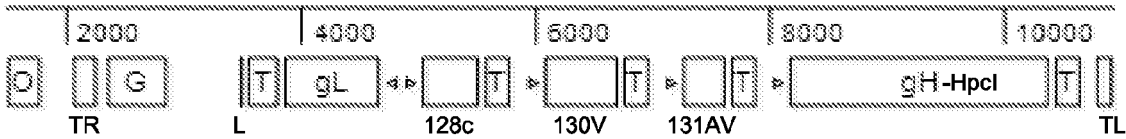
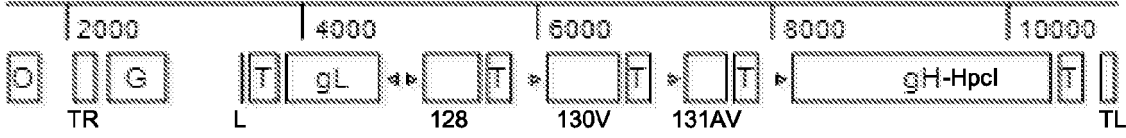


Figure 1 (continued)

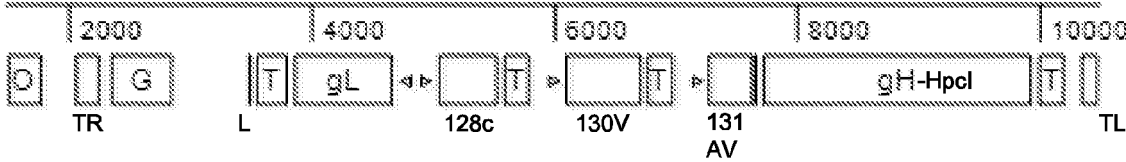
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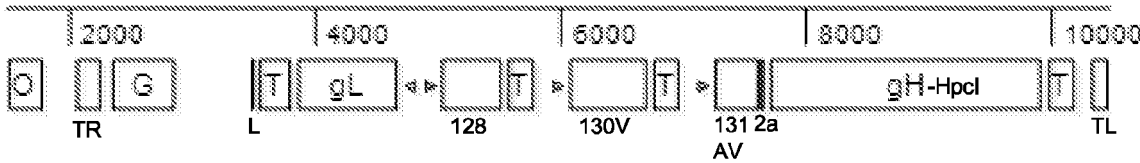
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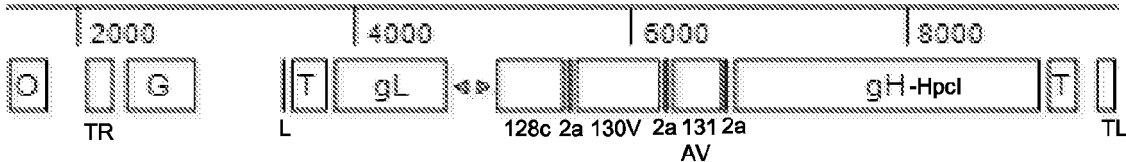
SEQ ID NO: 69



SEQ ID NO: 70



SEQ ID NO: 71



SEQ ID NO: 72

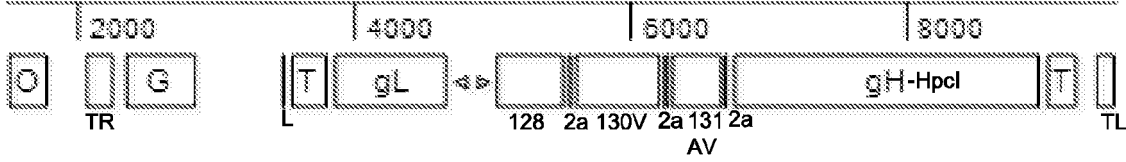


Figure 2

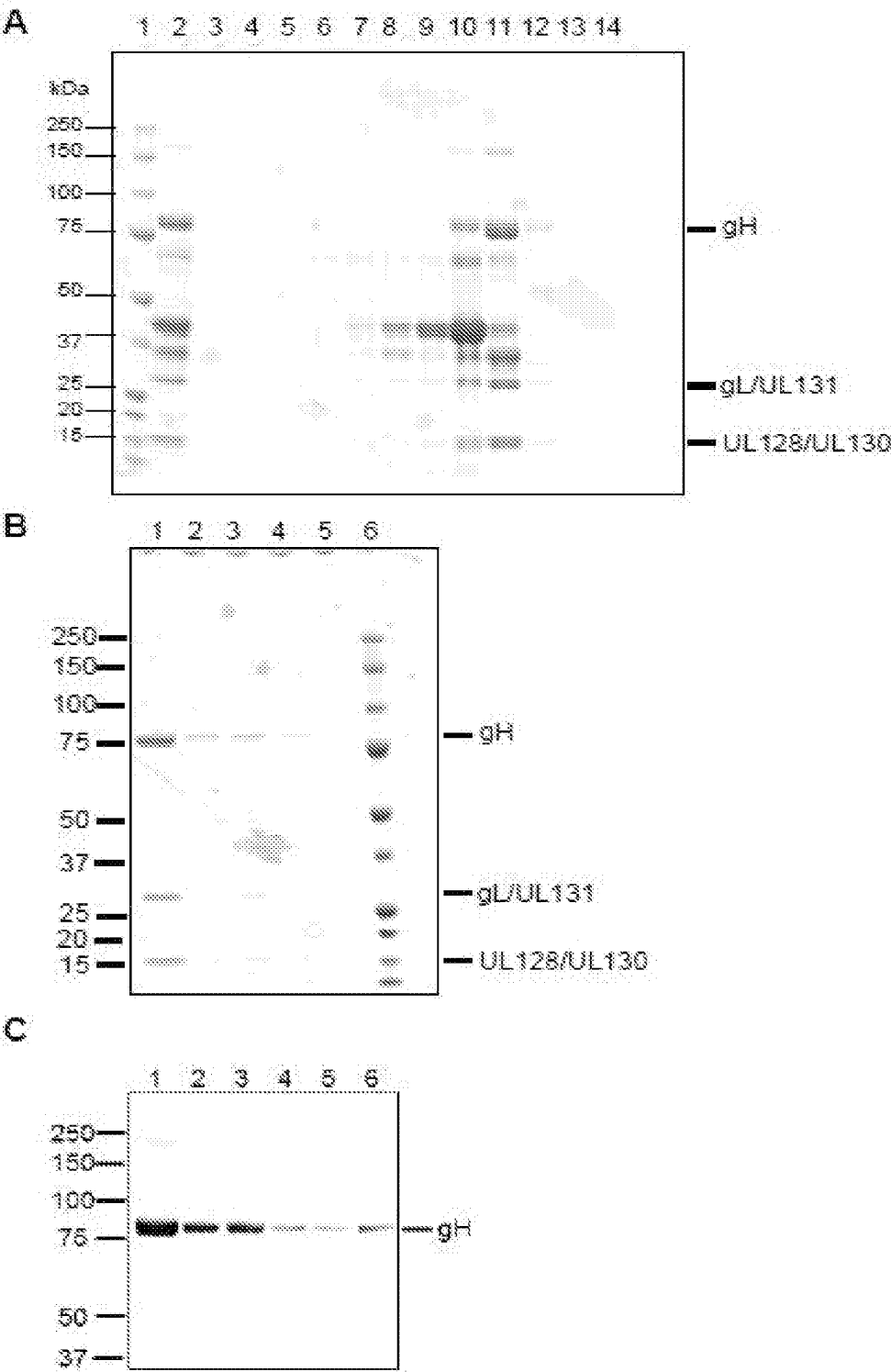
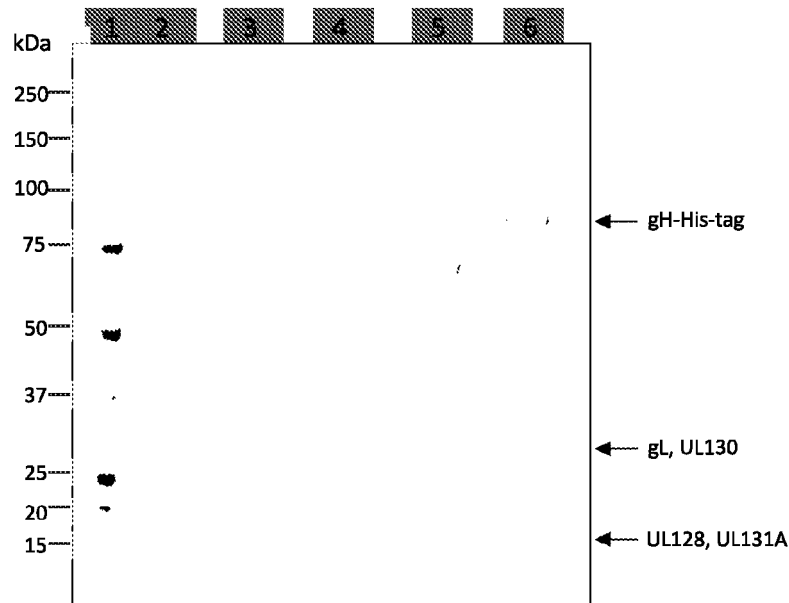
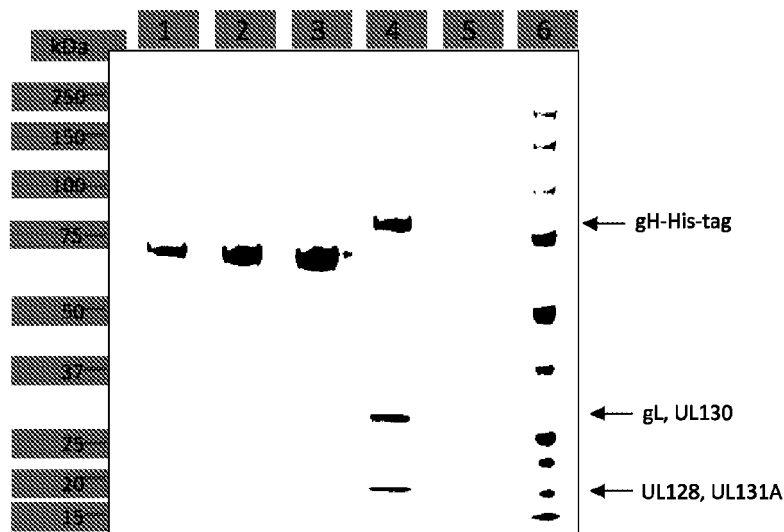


Figure 2 (continued)

D



E



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Figure 3

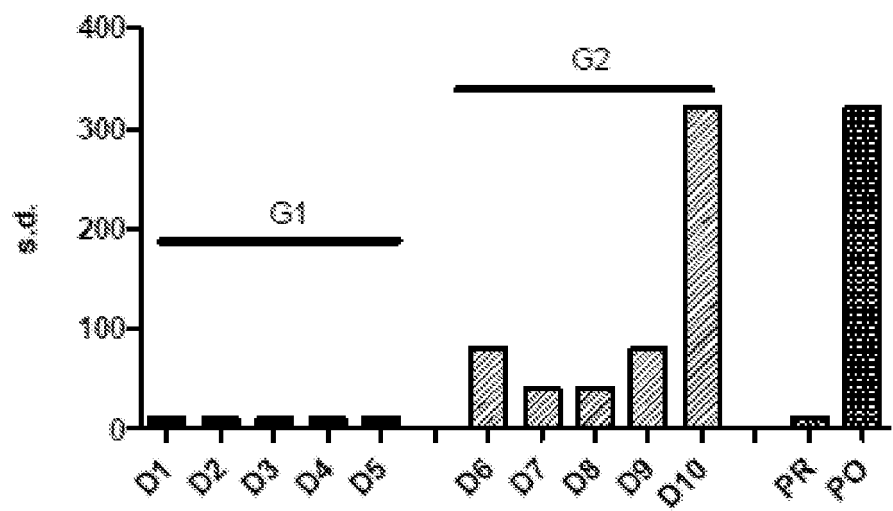
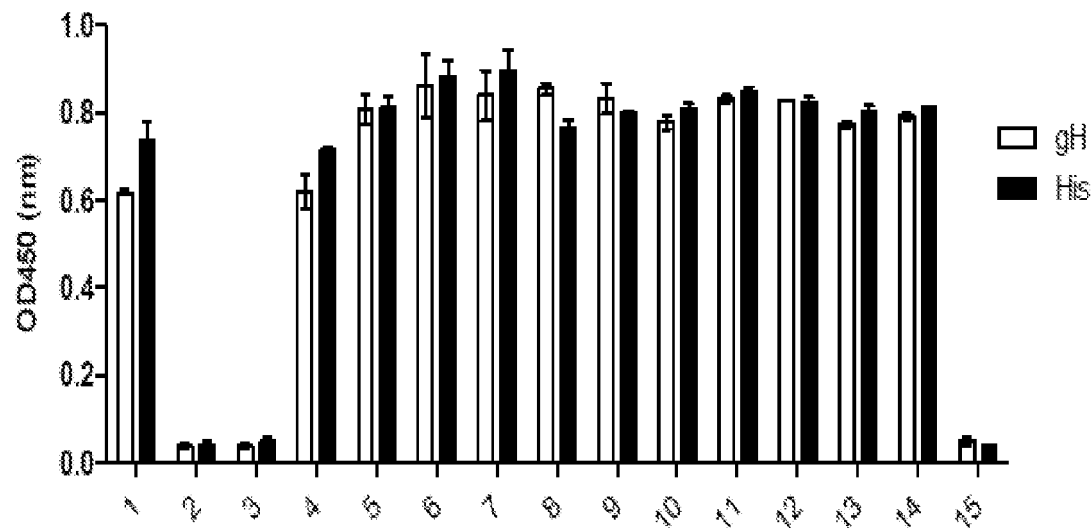
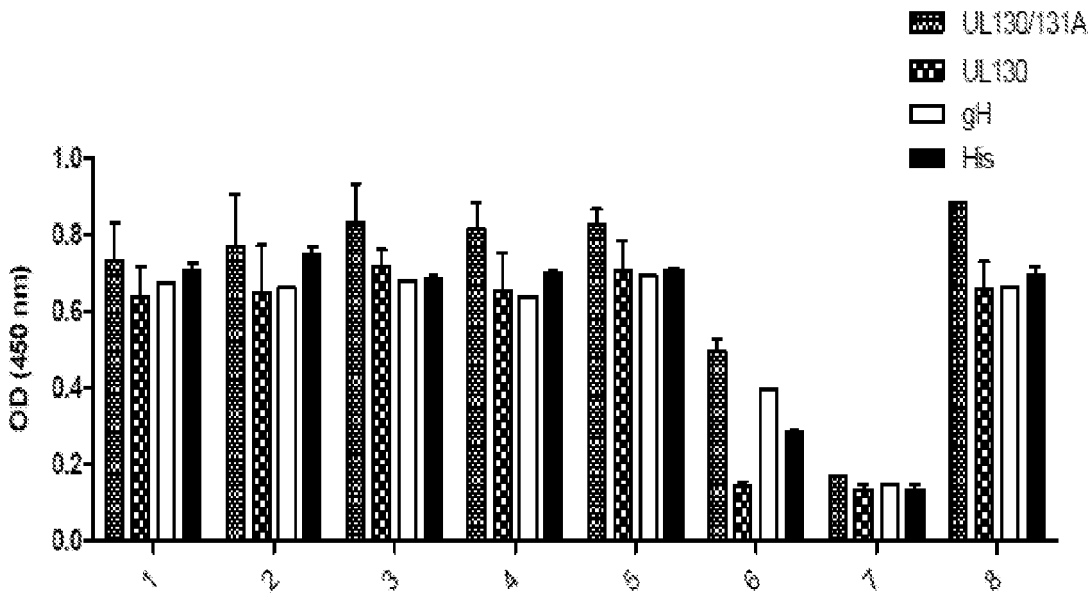


Figure 4



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Figure 5



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Figure 6

SEQ ID NO: 1 (gH)

MRPGLPSYLI	VLAVCLLSHL	LSSRYGAEAI	SEPLDKAFHL	LLNTYGRPIR	FLRENTTQCT	60
YNSSLRNSTV	VRENAISFNF	FQSYNQYYVF	HMPRCLFAGP	LAEQFLNQVD	LTETLERYQQ	120
RLNTYALVSK	DLASYRSFSQ	QLKAQDSLGE	QPTTVPPPID	LSIPHVWMPP	QTPPHGWTES	180
HTTSGLHRPH	FNQTCILFDG	HDLLFSTVTP	CLHQGFYLID	ELRYVKITLT	EDFFVVTVSI	240
DDDTPLLIF	GHLPRVLFA	PYQRDNFILR	QTEKHELLVL	VKKDQLNRHS	YLKDPDFLDA	300
ALDFNYLDLS	ALLRNSFHRY	AVDVLKSGRC	QMLDRRTVEM	AFAYALALFA	AARQEEAGAQ	360
VSVPRALDRQ	AALLQIQEFM	ITCLSQTTPR	TTLLEYPTAV	DLAKRALWTP	NQITDITSLV	420
RLVYILSKQN	QQHLIPQWAL	RQIADFAKL	HKTHLASFLS	AFARQELYLM	GSLVHSMVLH	480
TTERREIFIV	ETGLCSLAEL	SHFTQLLAHP	HHEYLSDLTY	PCSSSGRRDH	SLERLTRLFP	540
DATVPTTVPA	ALSILSTMQP	STLETFPDLF	CLPLGESFSA	LTVSEHVSIV	VTNQYLIKGI	600
SYPVSTTVVG	QSLIITQTDS	QTKCELTRNM	HTHSITAAL	NISLENCAFC	QSALLEYDDT	660
QGVINIMYMH	DSDDVLFALD	PYNEVVVSSP	RTHYLMMLKN	GTVLEVTDVV	VDATDS	716

SEQ ID NO: 2 (gL)

MCRRPDCGFS	FSPGPVALLW	CCLLLPIVSS	ATVSVAPTVA	EKVPAECPEL	TRRCLLGEVF	60
QGDKEYESWLR	PLVNVTRRDG	PLSQLIRYRP	VTPEAANSVL	LDDAFLDTLA	LLYNNPDQLR	120
ALLTLLSSDT	APRWMTVMRG	YSECGDGSPA	VYTCVDDLCL	GYDLTRLSYG	RSIFTEHVLG	180
FELVPPSLFN	VVAIRNEAT	RTNRAVRLPV	STAAPEGIT	LFYGLYNAVK	EFCLRHQLDP	240
PLLRHLDKYY	AGLPPELKQT	RVNLPASRY	GPQAVDAR			278

SEQ ID NO: 3 (UL128)

MSPKNLTPLF	TALWLLLGHS	RVPRVRAEEC	CEFINVNHP	ERCYDFKMCN	RFTVALRCPD	60
GEVCYSPEKT	AEIRGIVTTM	THSLTRQVVH	NKLTSCNYP	LYLEADGRIR	CGKVNDKAQY	120
LLGAAGSVPY	RWINLEYDKI	TRIVGLDQYL	ESVKKHKRLD	VCKAKMGYML	Q	171

SEQ ID NO: 4 (UL130)

MLRLLLRHHF	HCLLLCAVWA	TPCLASPWST	LTANQNPSPP	WSKLTYSKPH	DAATFYCPFL	60
YPSPPRSPLQ	FSGFQRVLTG	PECNETLYL	LYNREGQTLV	ERSSTWVKKV	IWYLSGRNQ	120
ILQRMPTAS	KPSDGNVQIS	VEDAKIFGAH	MVPKQTKLLR	FVVNDGTRYQ	MCVMKLESWA	180
HVERDYSVSF	QVRLTFTEAN	NQTYTFCTHP	NLI			213

SEQ ID NO: 5 (UL131A)

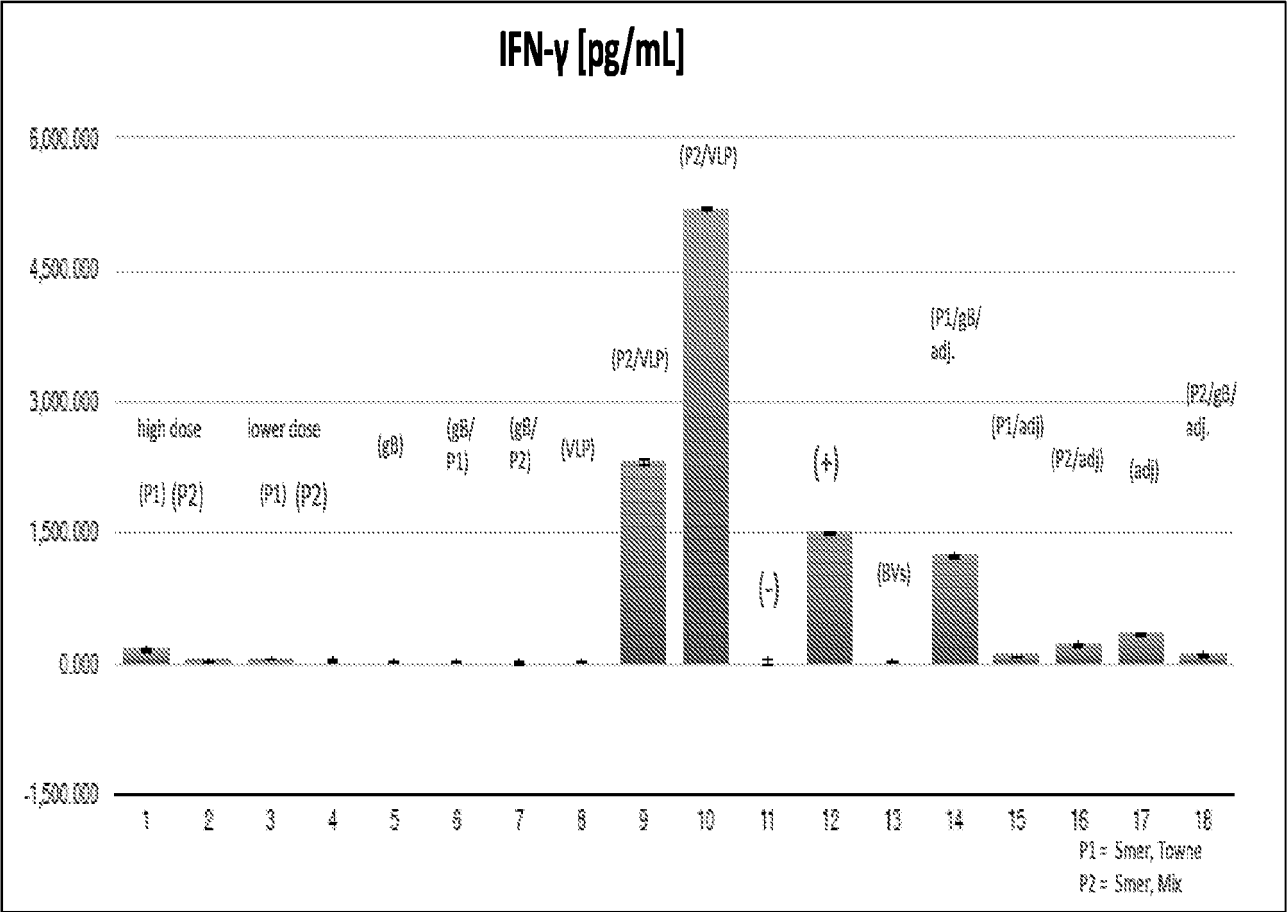
MRLCRVWLSV	CLCAVVLGQC	QRETAEKNDY	YRVPHYWDAC	SRALPDQTRY	KYVEQLVDLT	60
LNHYHDASHG	LDNFDVLKRI	NVTEVSLNIS	DFRRQNRGG	TNKRTTFNAA	GSLAPHARSL	120
EFVRLFA						128

Figure 7

A

	gB	P1	P2	gB/P1	gB/P2	VLP/P1	VLP/P2	P1/adj	P2/adj	P1/gB/adj	P2/gB/adj
IFN- γ	+/-	+/-	+/-	N	N	+++	++++	+/-	+	+	N
IL-4	+/-	+/-	+	+/-	N	+/-	+/-	++	+	+++	+
IL-5	+/-	+/-	+	+/-	+/-	+	+	+/-	+/-	+/-	+/-

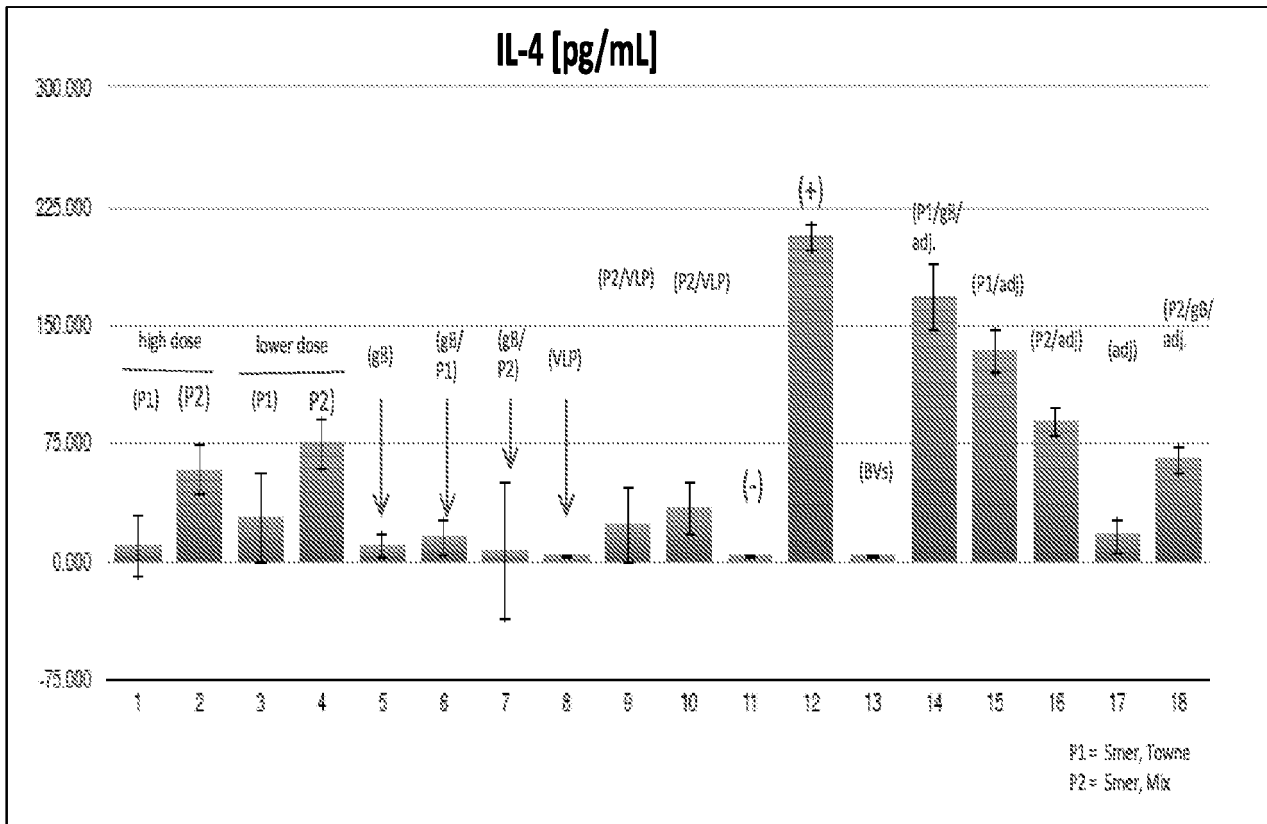
B



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Figure 7 (cont'd)

C



D

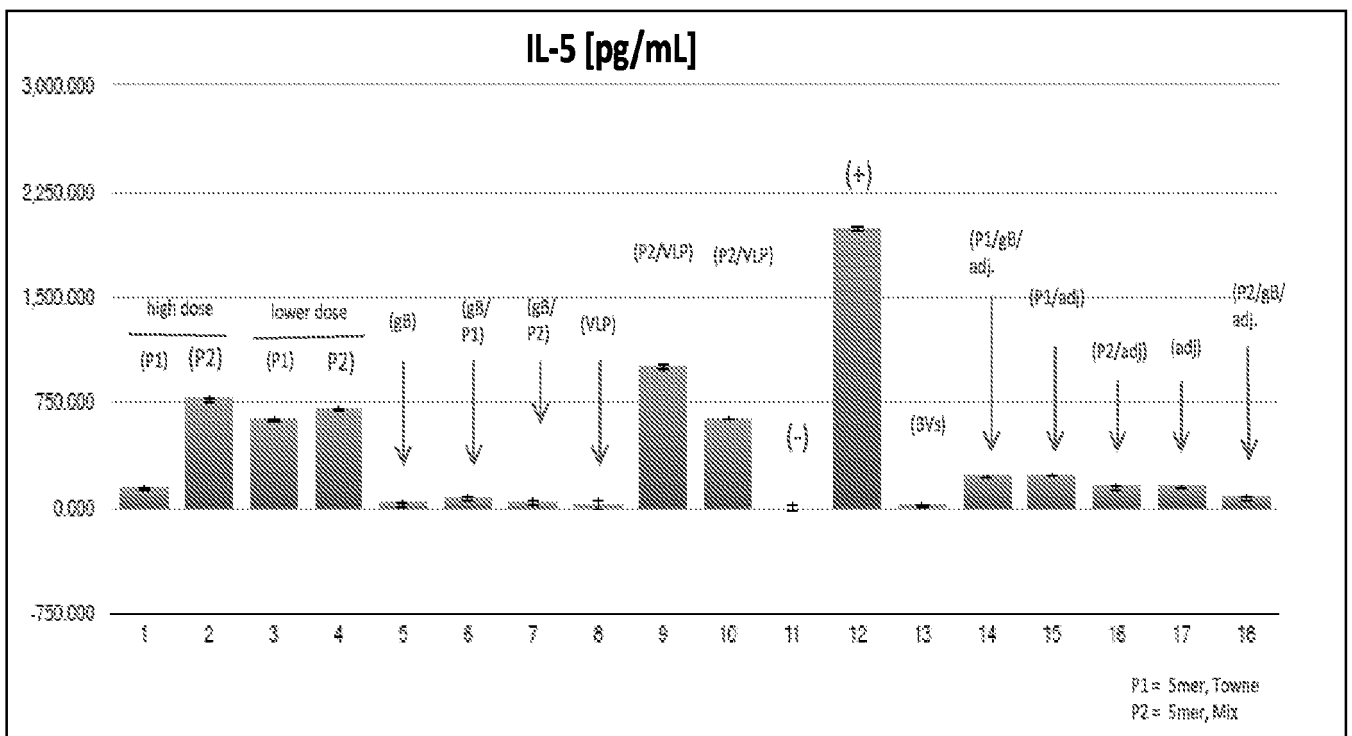
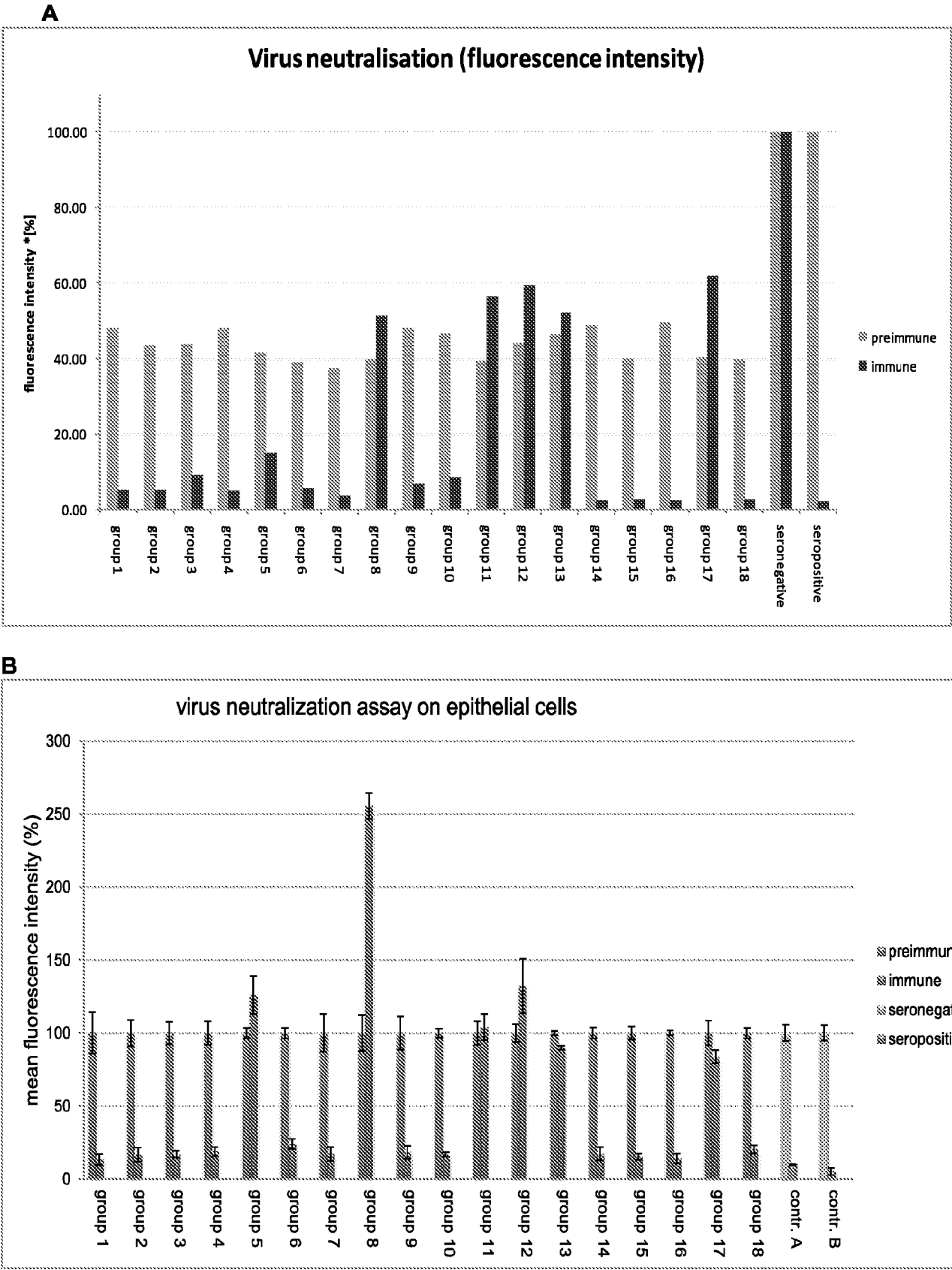


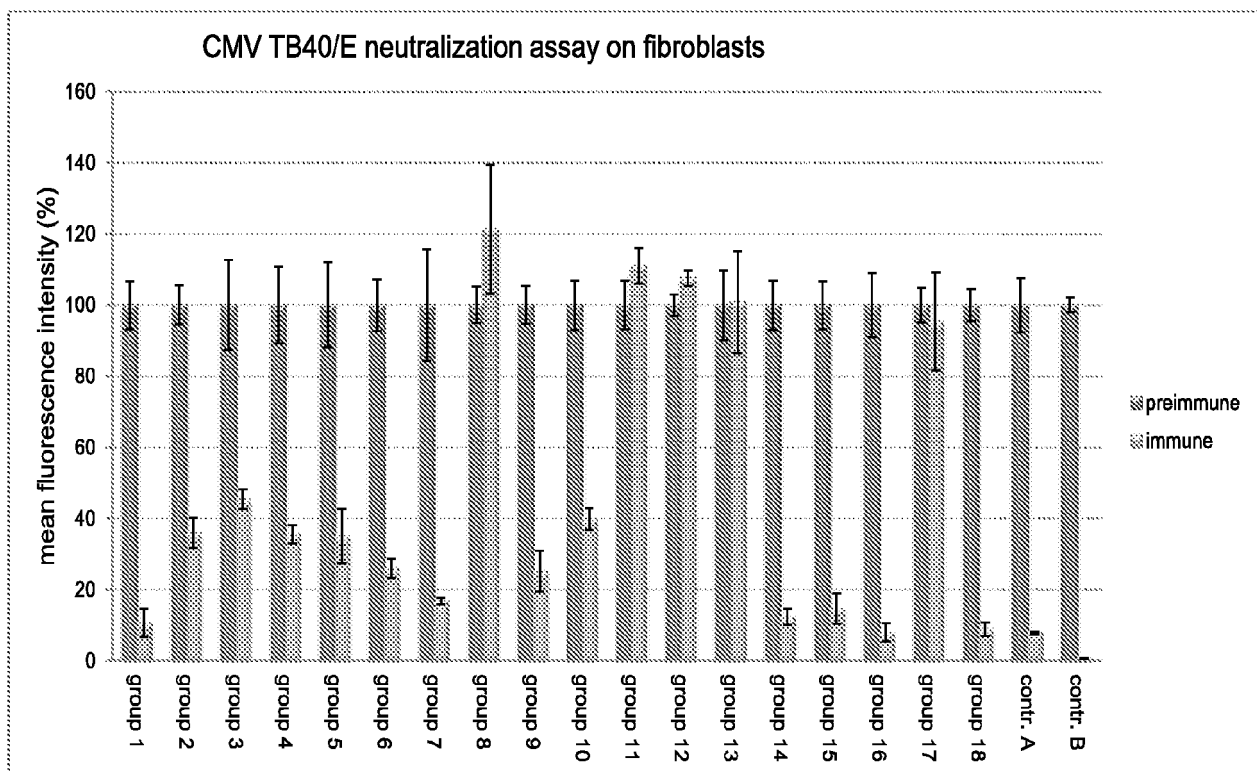
Figure 8



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Figure 8 (cont'd)

C



D

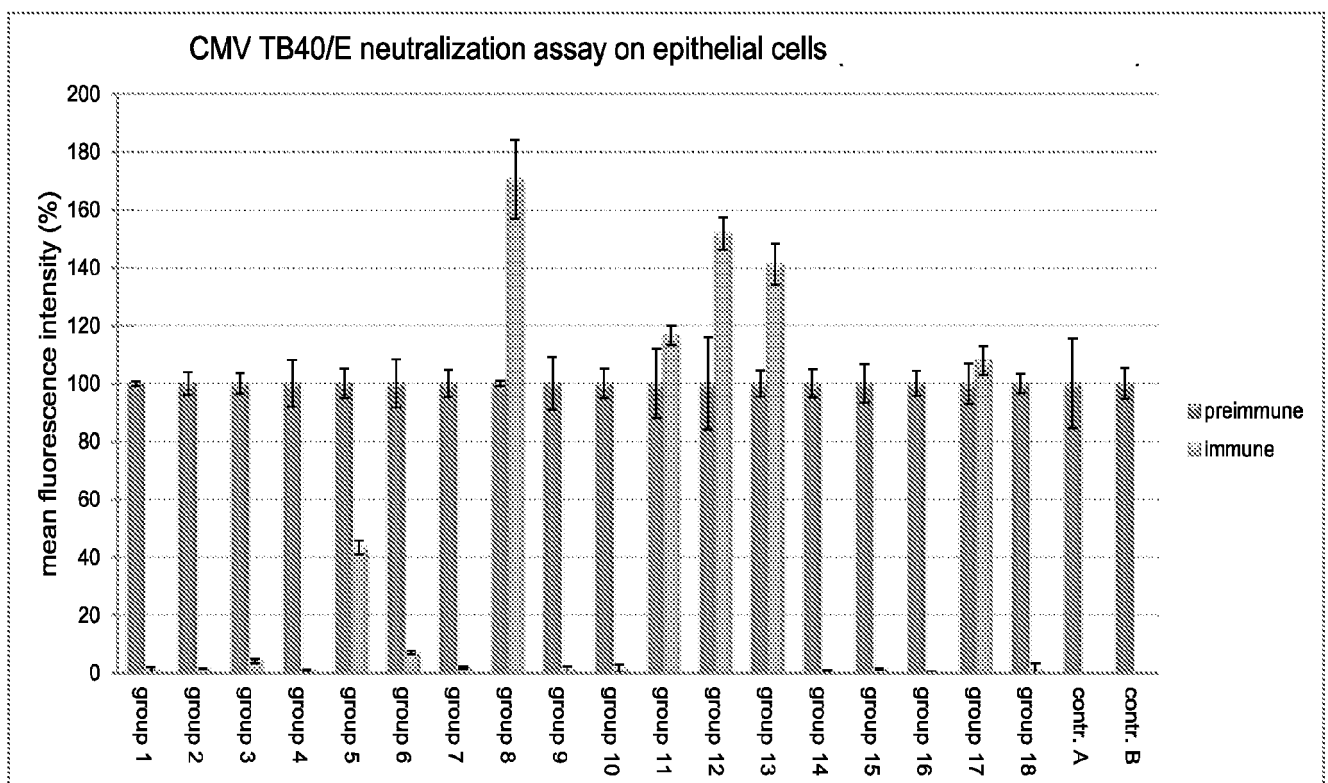


Figure 9

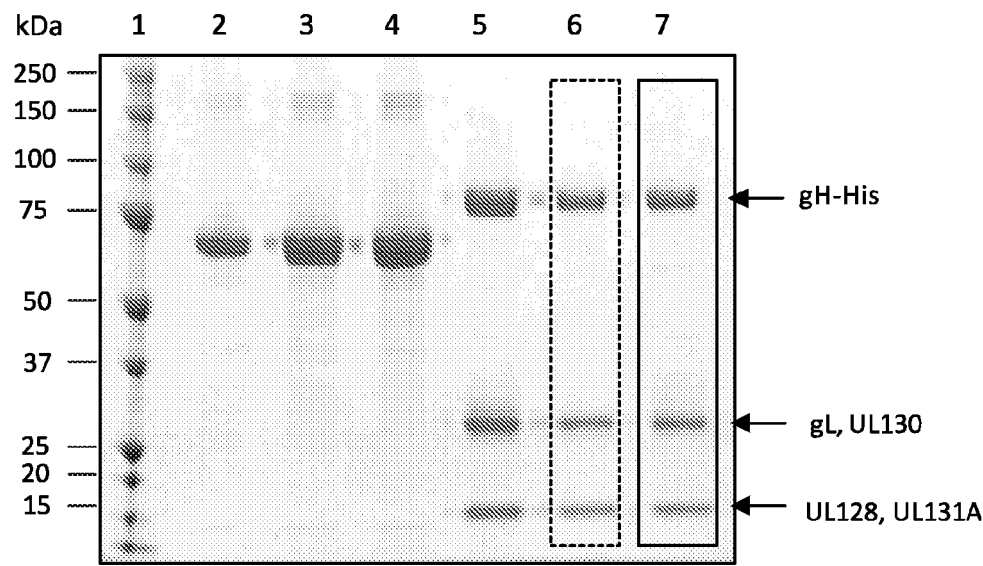


Figure 10

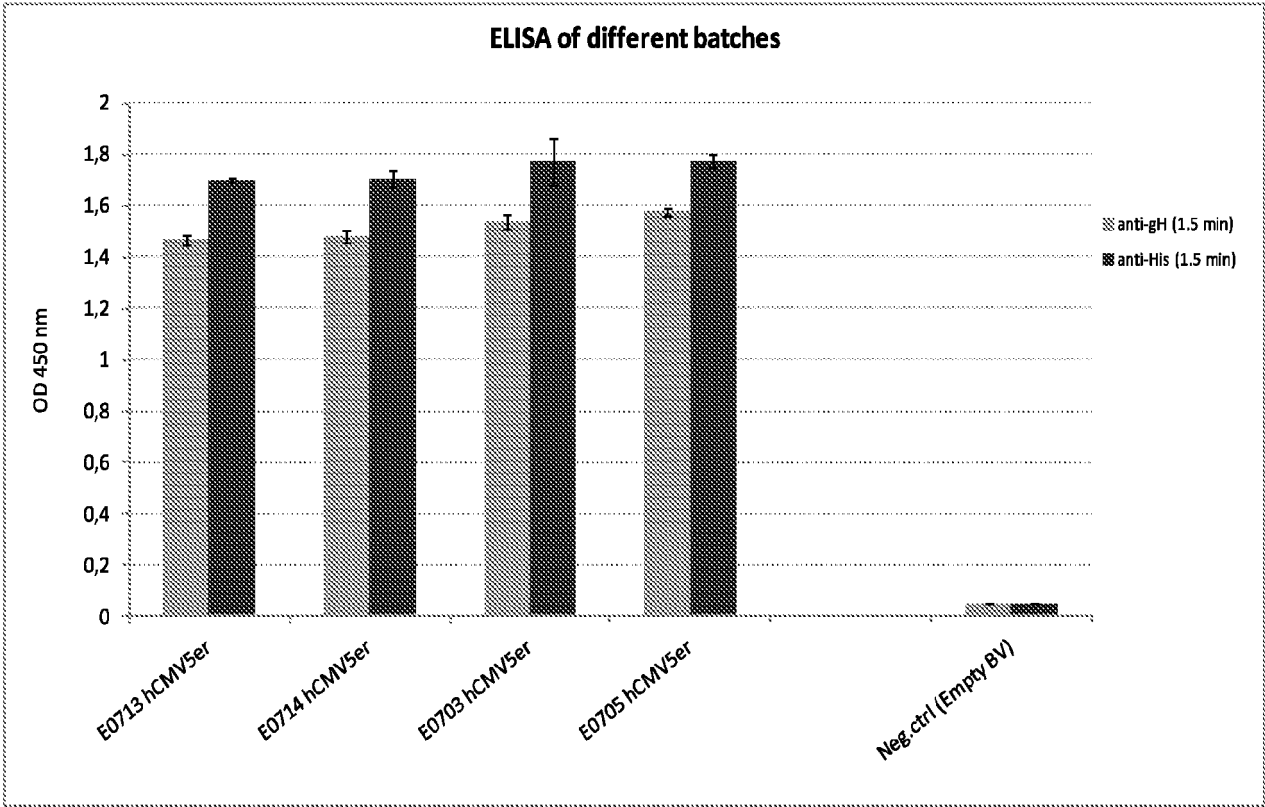
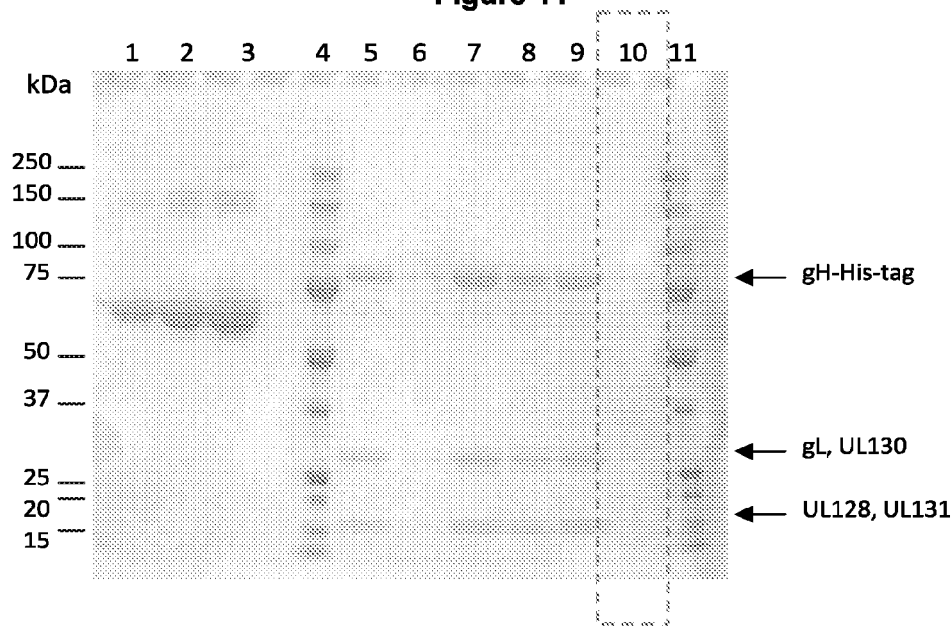


Figure 11



B

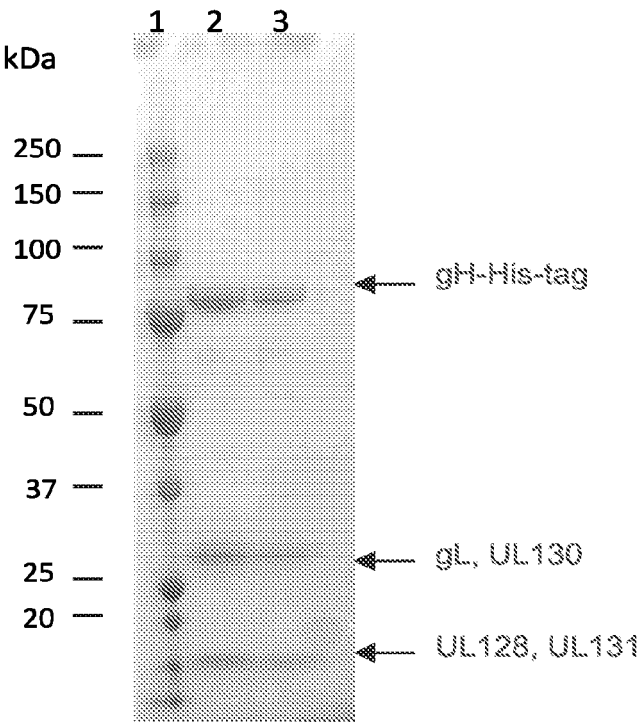
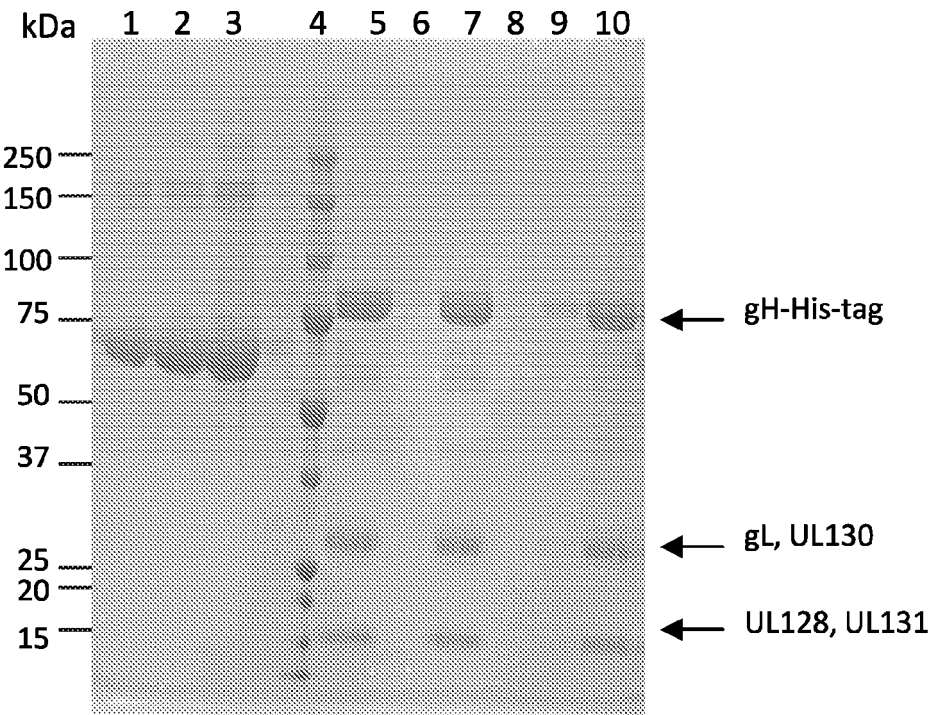


Figure 11 (cont'd)

C



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Figure 12

Overview of groups:

No.1	Group	Protein amount	Animal amount
Dose test			
1	5mer (Towne)	10 µg	8
2	5mer (Mix)	10 µg	8
3	5mer (Towne)	5 µg	8
4	5mer (Mix)	5 µg	8
Combinations			
5	gB soluble	10 µg	8
6	5mer (Towne) + gB soluble	10 µg + 10 µg	8
7	5mer (Mix) + gB soluble	10 µg + 10µg	8
CMV(core)-VLP test			
8	CMV-VLP	50 µg	8
9	5mer (Towne) + CMV-VLP	10 µg + 50 µg	8
10	5mer (Mix) + CMV-VLP	10 µg + 50 µg	8
controls			
11	PBS	-	8
12	virus lysate (pos. ctrl.)	5 µg	8
13	BV (5mer production virus)	1.4x10 ⁸ particles	8
adjuvants			
14	5mer (Towne) + gB + adjuvant	10 µg + 10 µg + 100nmol	8
15	5mer (Towne) + adjuvant	10 µg + 100nmol	8
16	5mer (Mix) + adjuvant	10 µg + 100nmol	8
17	adjuvant	100nmol	8
18	5mer (Mix) + gB + adjuvant	10 µg + 10 µg + 100nmol	8