

[Fig. 1]

Table 1.1

Legend		Examples	
Symbol	Description	Representation	Examples
n	lower case	2'-deoxy nucleoside	c stands for 2'-deoxy 5-methylcytidine, a stands for 2'-deoxy adenosine, and g stands for 2'-deoxy guanosine, and t stands for 2'-deoxy thymidine.
N	UPPER CASE	2'-O-methoxyethyl nucleoside	C stands for 2'-O-methoxyethyl 5-methylcytidine, A stands for 2'-O-methoxyethyl adenosine, G stands for 2'-O-methoxyethyl guanosine, T stands for 2'-O-methoxyethyl thymidine, and U stands for 2'-O-methoxyethyl uridine
C	UPPER CASE, Underlined	2'-O-methoxyethyl cytidine	C stands for 2'-O-methoxyethyl cytidine (namely regular unmethylated cytidine with 2'-O-methoxyethyl modification).
c	lower case c, underlined	2'-deoxy cytidine	c stands for 2'-deoxy cytidine (namely regular unmethylated 2'-deoxy cytidine).
			C stands for 2'-O-methyl 5-methylcytidine, A stands for 2'-O-methyl adenosine, G stands for 2'-O-methyl guanosine, T stands for 2'-O-methyl thymidine, and U stands for 2'-O-methyl uridine
N	UPPER CASE ITALICIZED	2'-O-methyl nucleoside	c stands for 2'-OH 5-methylcytidine (or 5-methyl cytidine), a stands for 2'-OH adenosine (or adenosine), g stands for 2'-OH guanosine (or guanosine), and u stands for 2'-OH uridine (or uridine).
n	lower case bold italicized	2'-OH nucleoside	A stands for a GNA with adenine base, C stands for a GNA with 5-methylcytosine base, +A stands for a LNA with adenine base, +C stands for a LNA with 5-methylcytosine base, +G stands for a LNA with guanine base, +T stands for a LNA with thymine base, +U stands for a LNA with uracil base
N	UPPER CASE bold	Glycol nucleic acid (GNA)	+C stands for a LNA with regular cytosine base (unmethylated)
4N	UPPER CASE with a + sign in front	Locked nucleic acid (LNA)	A' stands for 2'-fluoro 2'-deoxy adenosine, C' stands for 2'-fluoro 2'-deoxy 5-methylcytidine, G' stands for 2'-fluoro 2'-deoxy guanosine, U' stands for 2'-fluoro 2'-deoxy uridine
4C	UPPER CASE underlined with a + sign in front	locked nucleic acid (LNA) with cytosine base	C' stands for 2'-fluoro 2'-deoxy cytidine (unmethylated)
N'	UPPER CASE followed by a ' sign	2'-Fluoro 2'-deoxy nucleoside	A'' stands for a 2'-F-ANA with adenine base T'' stands for a 2'-F-ANA with thymine base G'' stands for a 2'-F-ANA with guanine base
C'	UPPER CASE underlined followed by a ' sign	2'-F-Arabinnucleic Acid (2'-F-ANA)	C'' stands for a 2'-F-ANA with cytosine base
N''	UPPER CASE followed by a '' sign	2'-F-Arabinnucleic Acid (2'-F-ANA)	
C''	UPPER CASE underlined followed by a '' sign	2'-F-ANA with cytosine base	

ASVO (S.NO.)		AHS #		POSITIONS																																																																			
29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Table 1.2 continued

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[Fig. 2 continued]

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Table 1.2 continued

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Table 1.2 continued

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[Fig. 2 continued]

Table 1.2 continued

[illegible]

[Fig. 2 continued]

SOLID NO.	AHS #	POSITION																				
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157	AHS1476	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
158	AHS1477	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
159	AHS1478	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
160	AHS1479	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
161	AHS1480	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
162	AHS1481	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
163	AHS1482	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
164	AHS1483	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
165	AHS1484	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
166	AHS1485	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
167	AHS1486	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
168	AHS1487	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
169	AHS1488	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
170	AHS1489	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
171	AHS1490	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
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173	AHS1492	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
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181	AHS1500	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
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193	AHS1512	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
194	AHS1513	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
195	AHS1514	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
196	AHS1515	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
197	AHS1516	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
198	AHS1517	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
199	AHS1518	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
200	AHS1519	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
201	AHS1520	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
202	AHS1521	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
203	AHS1522	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
204	AHS1523	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
205	AHS1524	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
206	AHS1525	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
207	AHS1526	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
208	AHS1527	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
209	AHS1528	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
210	AHS1529	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
211	AHS1530	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
212	AHS1531	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
213	AHS1532	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
214	AHS1533	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
215	AHS1534	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
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219	AHS1538	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E
220	AHS1539	G	E	A	A	E	1	8	A	E	1	8	A	E	1	8	A	E	1	8	A	E

[Fig. 2 continued]

[illegible]

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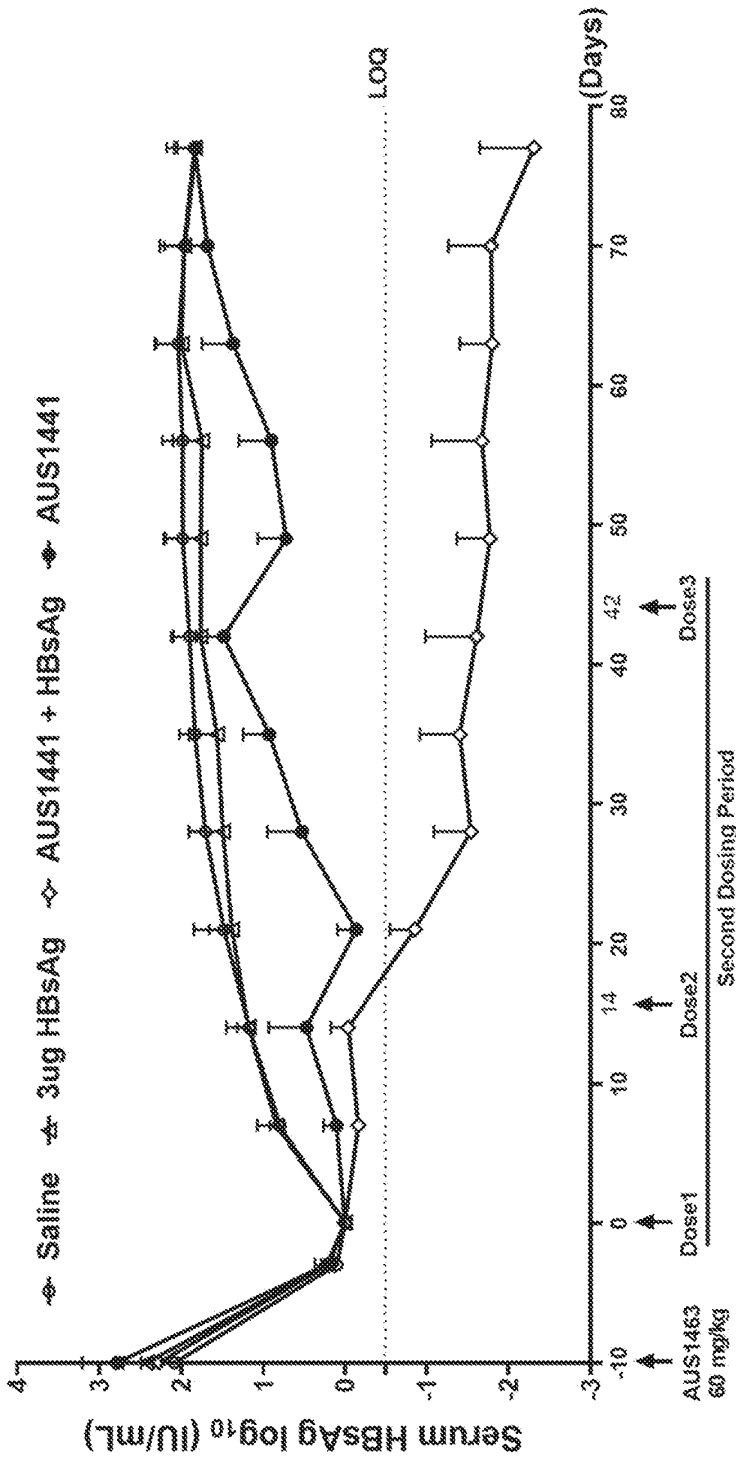
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[Fig. 2 continued]

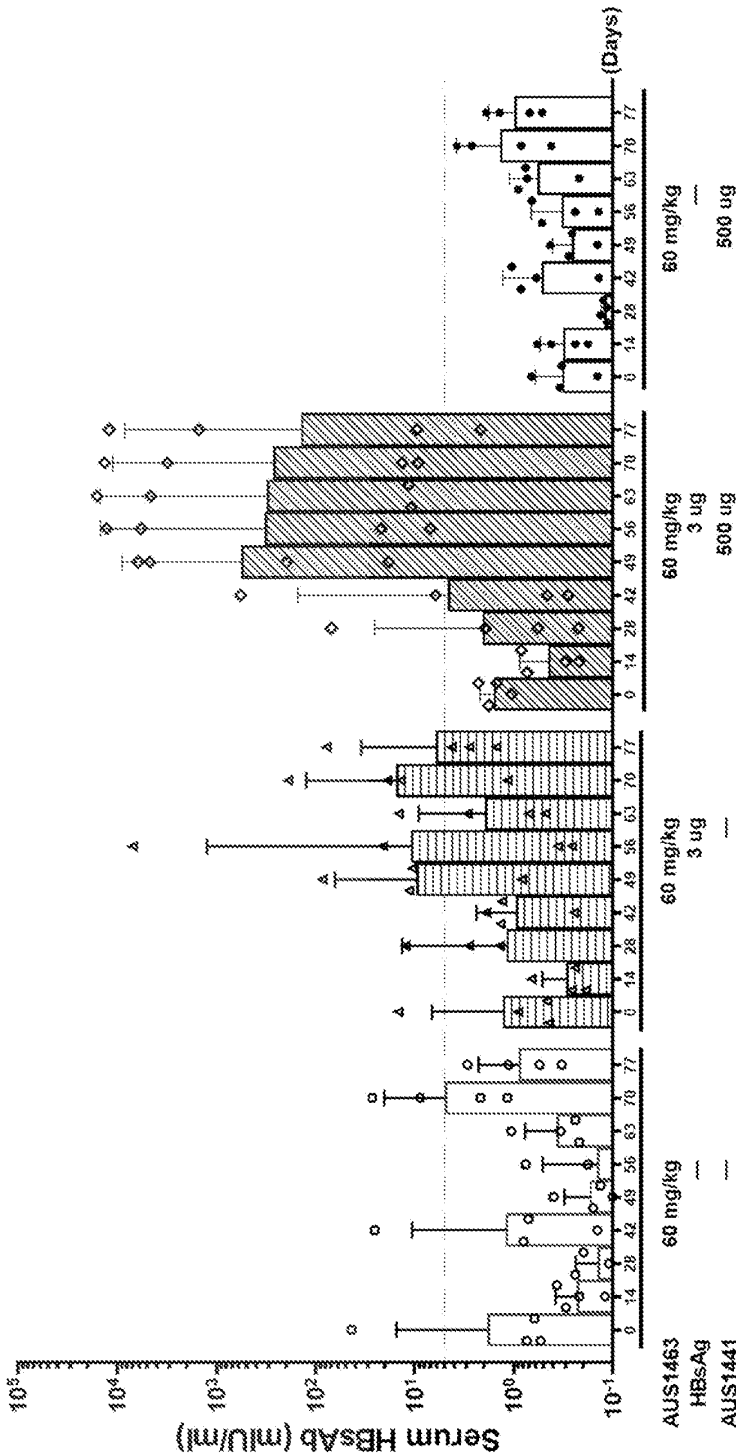
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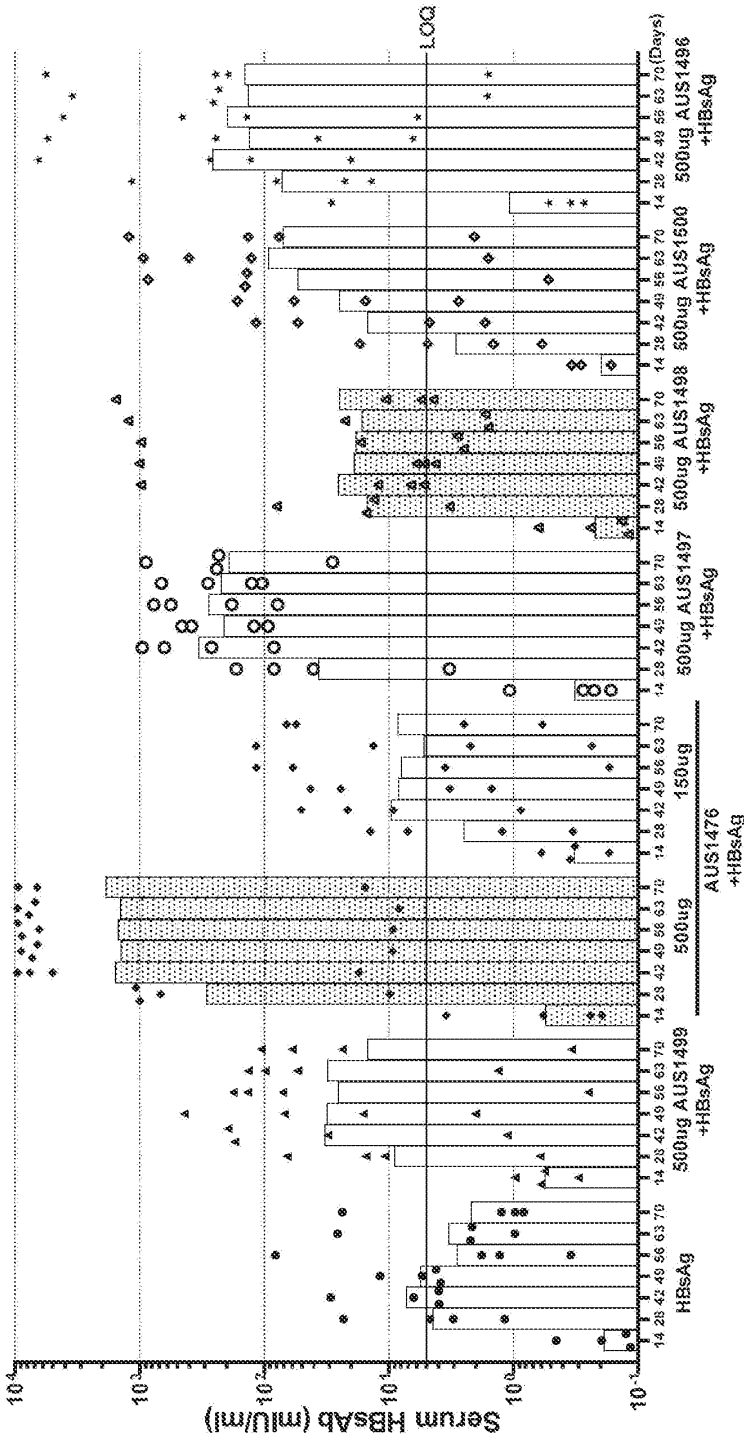
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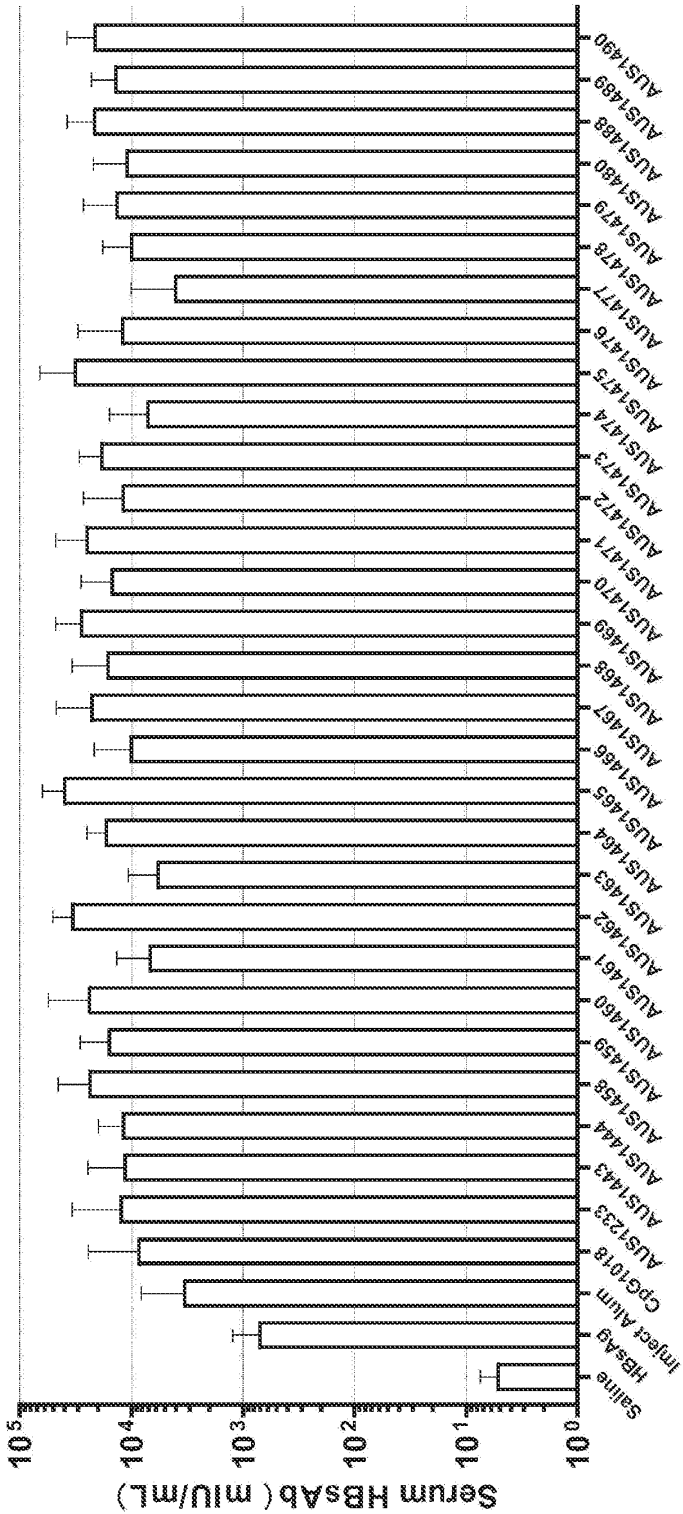
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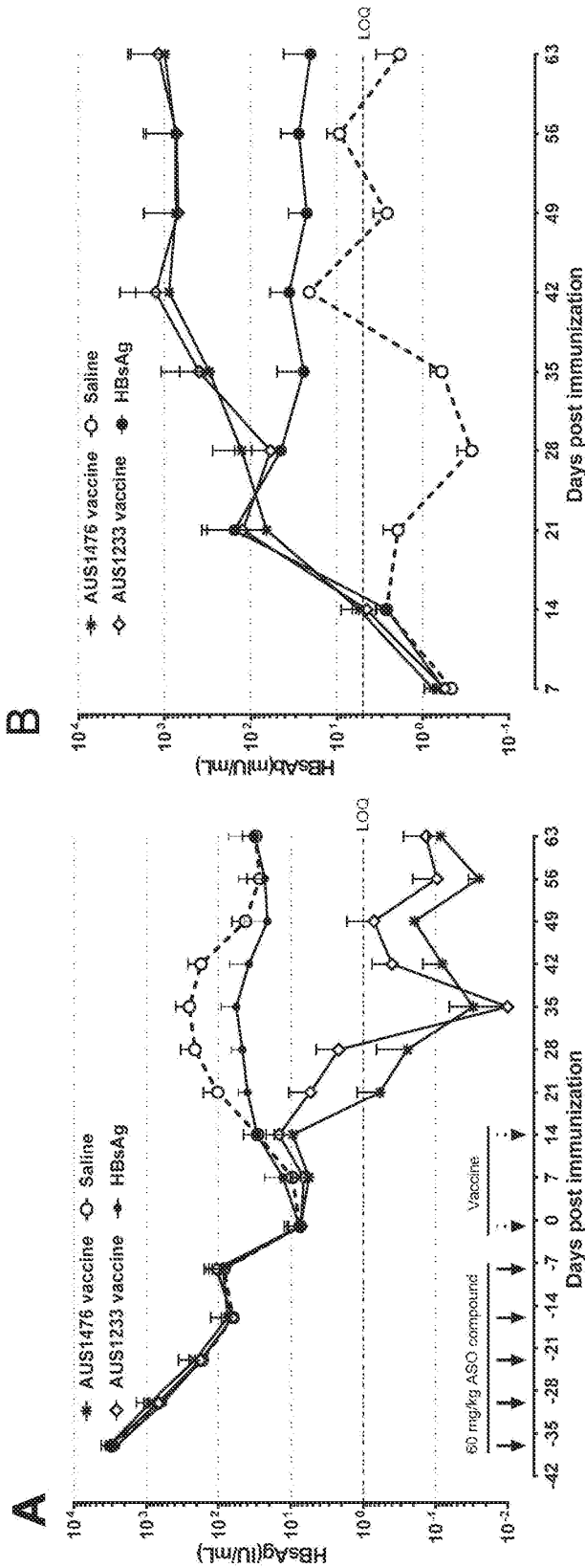
[Fig. 6]



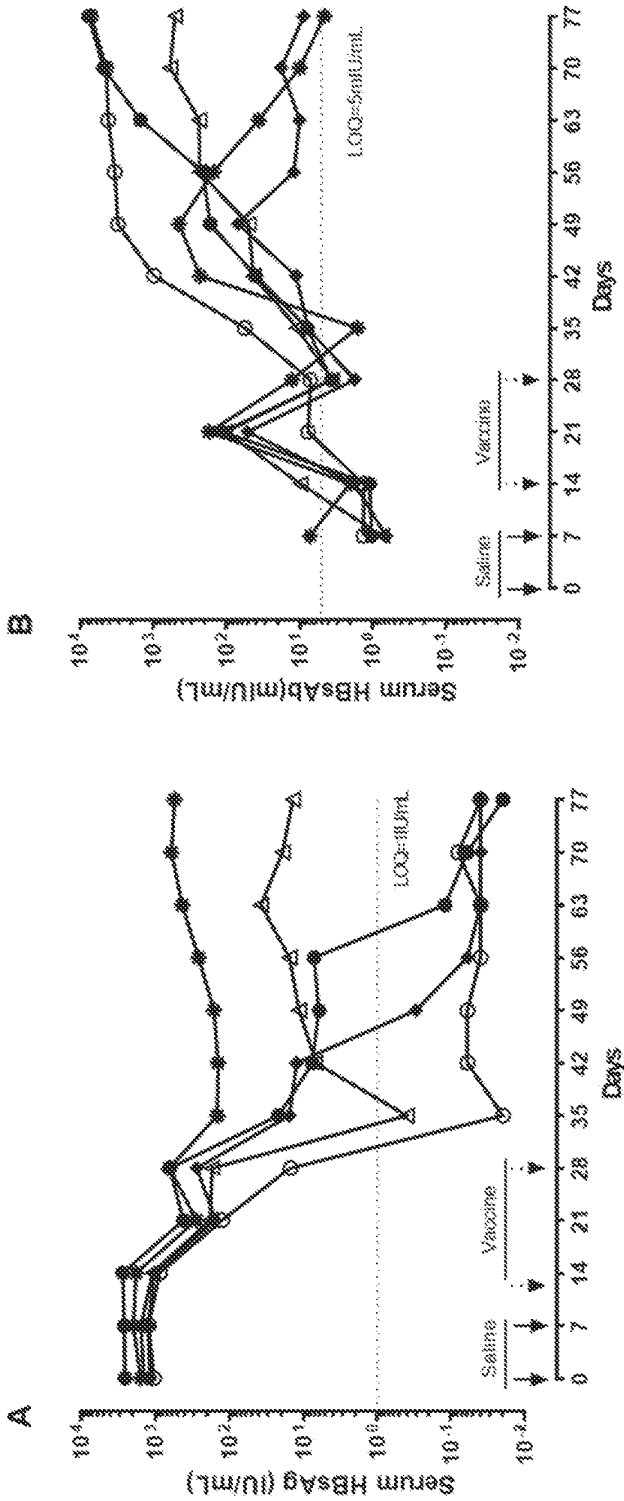
[Fig. 7]



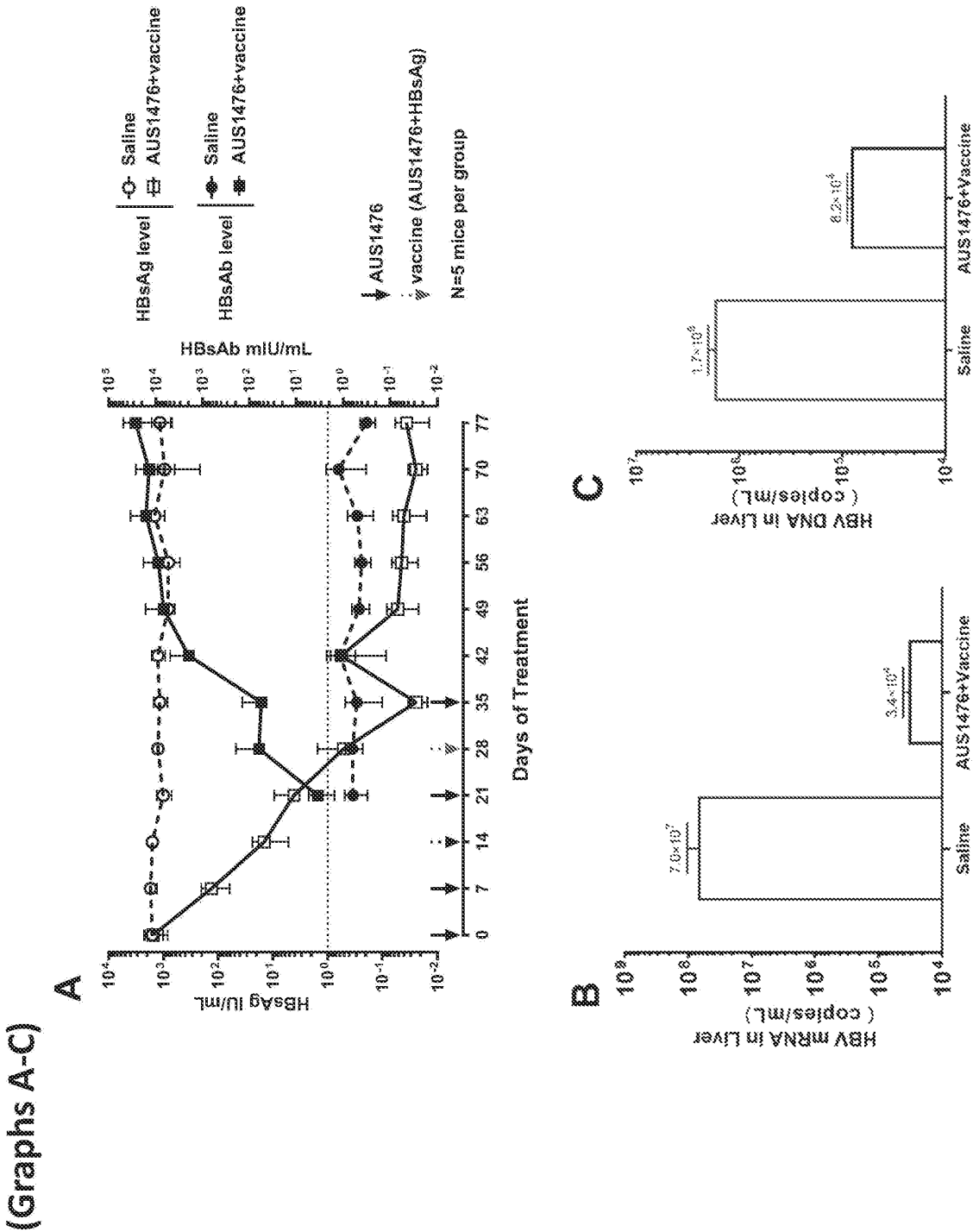
[Fig. 8]



[Fig. 9]

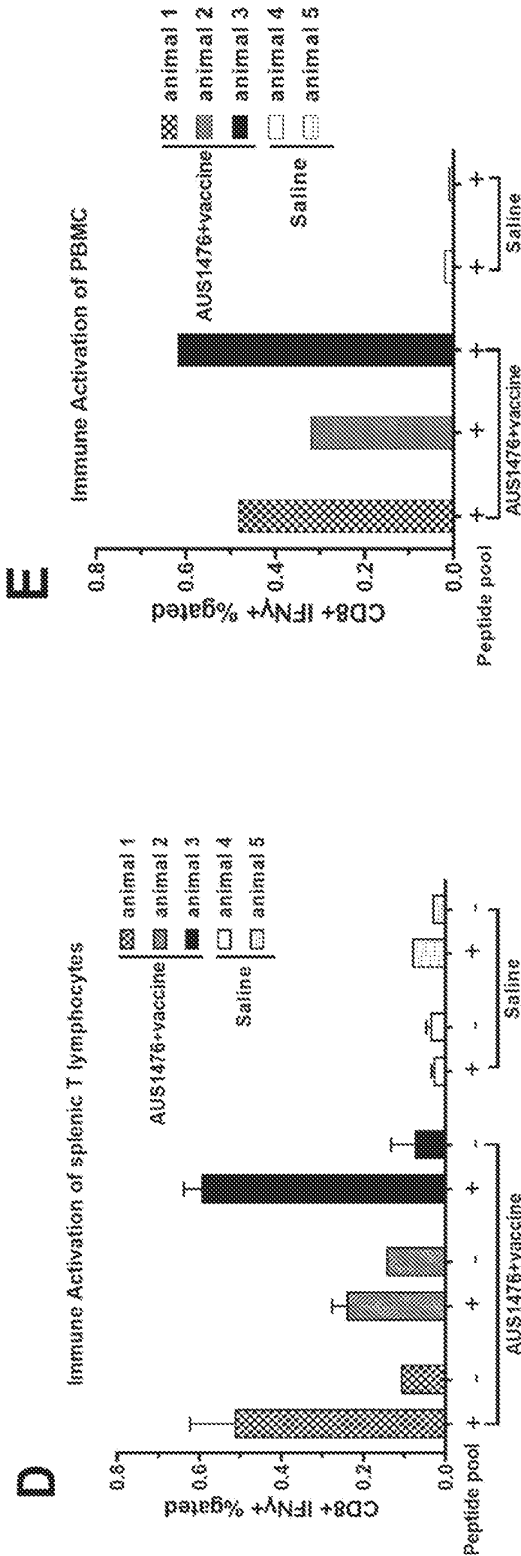


[Fig. 10]

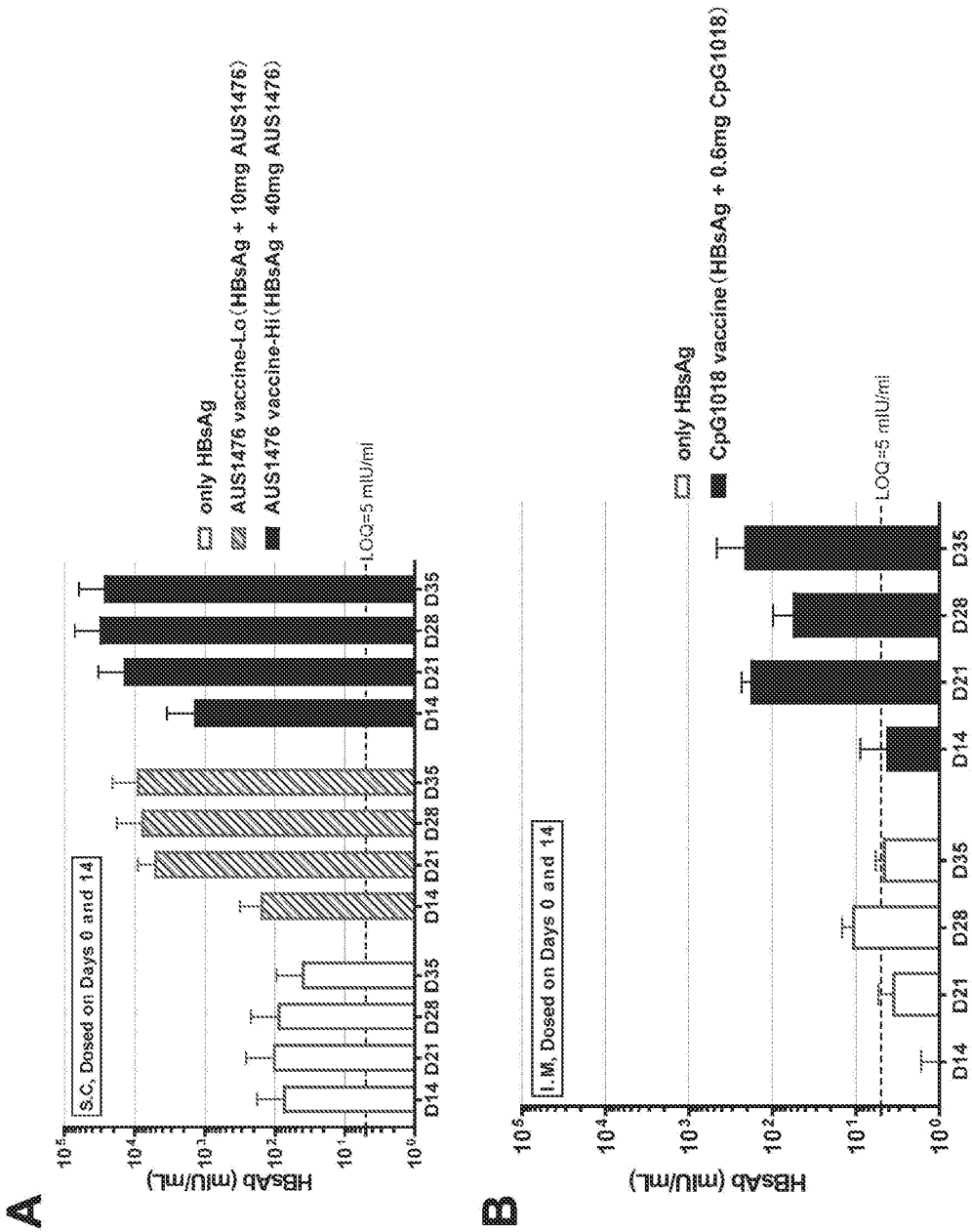


[Fig. 10]

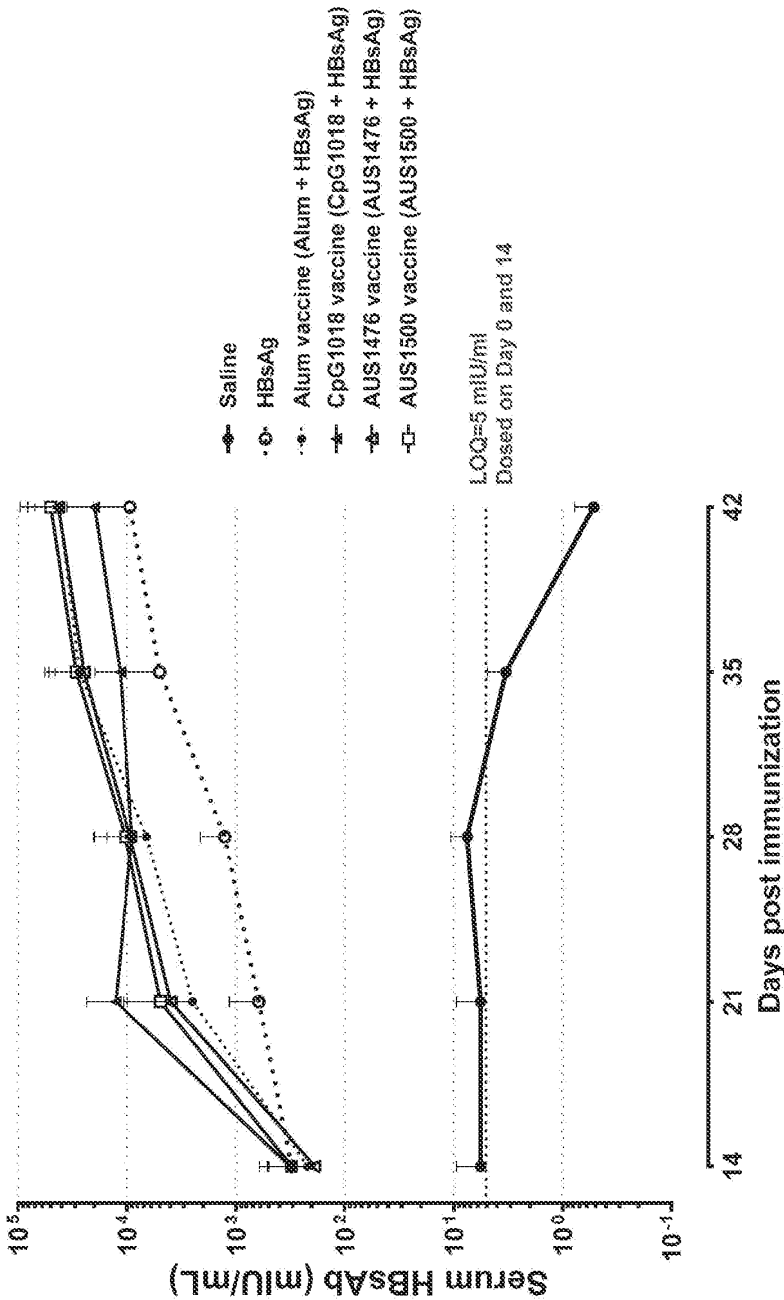
(Graphs D-E)



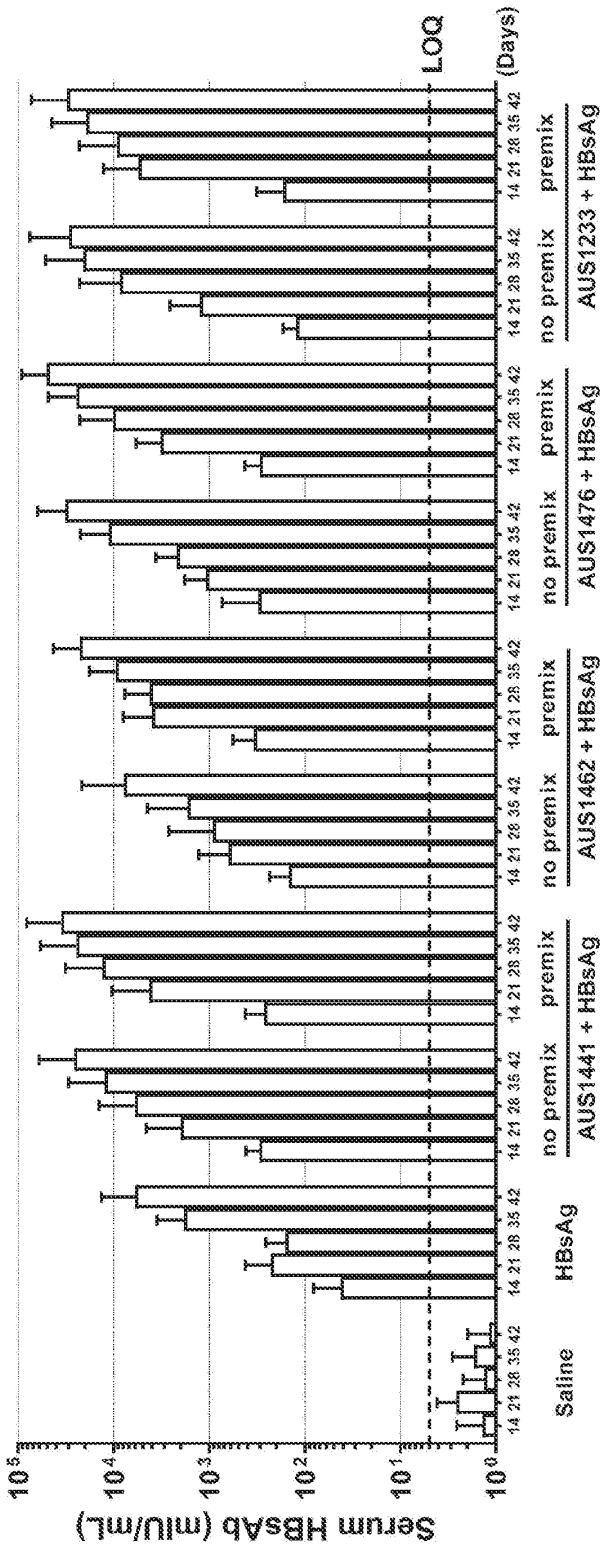
[Fig. 11]



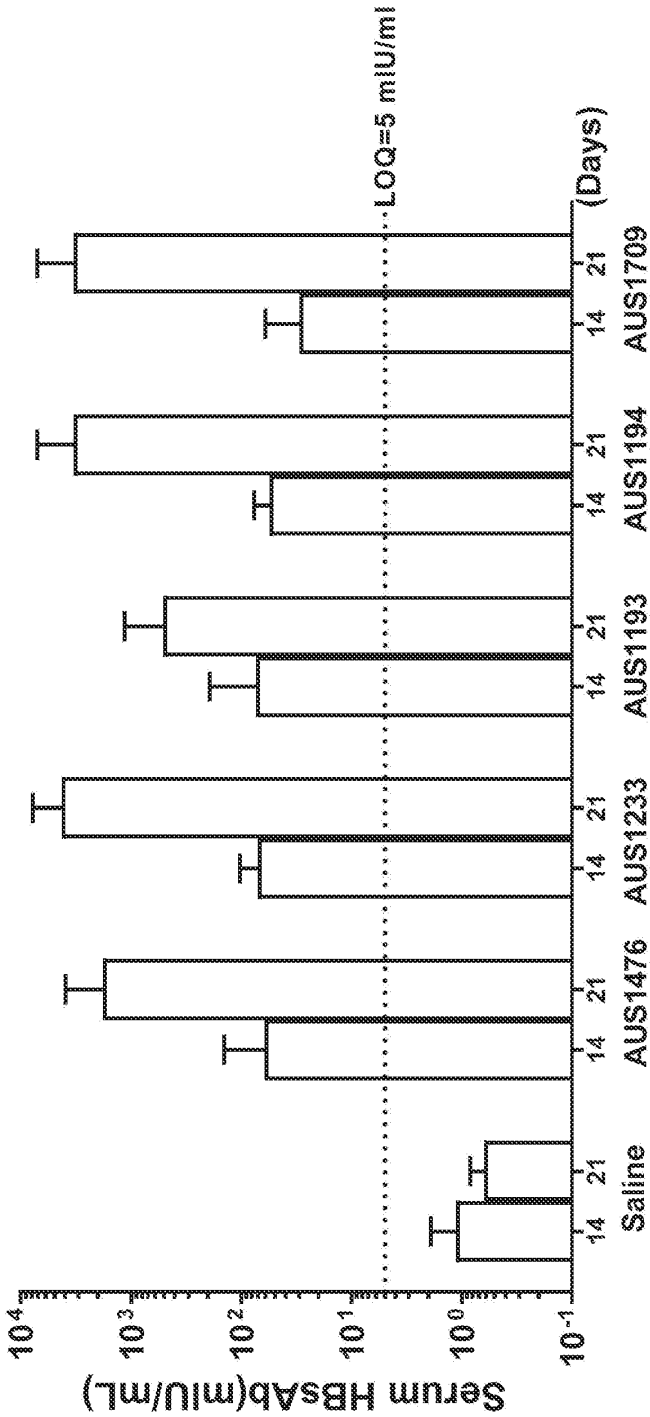
[Fig. 12]



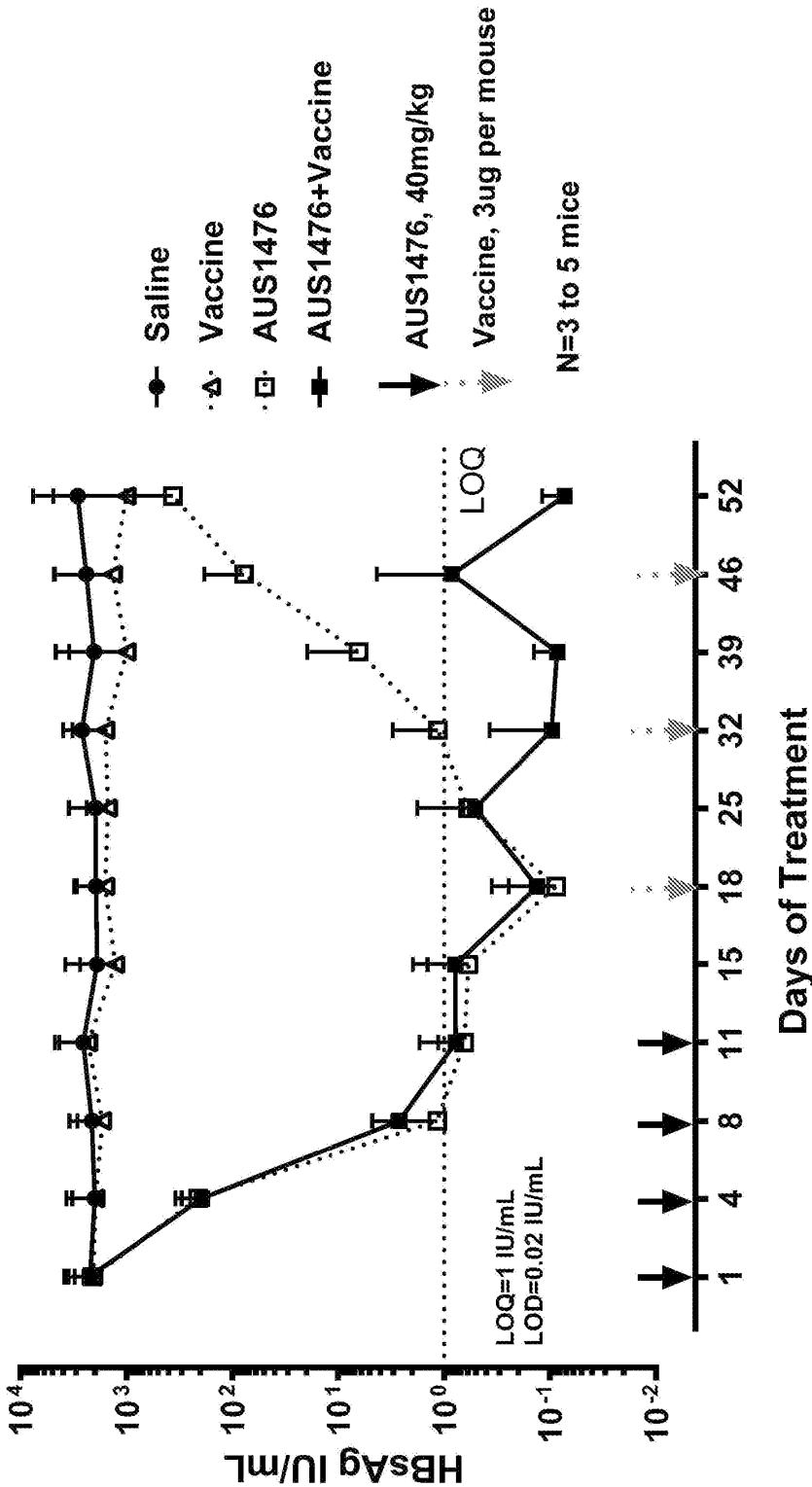
[Fig. 13]



[Fig. 14]



[Fig. 15]



[Fig. 16]

