

Table 1.1

Legend	Description	Representation	Examples
Symbol			
n	lower case	2'-deoxy nucleoside	c stands for 2'-deoxy 5-methylcytidine, a stands for 2'-deoxy adenosine, 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,
N	UPPER CASE bold	Glycol nucleic acid (GNA)	+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 with a + sign in front	Locked nucleic acid (LNA)	+C stands for a LNA with regular cytosine base (unmethylated)
+C	UPPER CASE underlined with a + sign in front	Locked nucleic acid (LNA) with cytosine base	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
N'	UPPER CASE followed by a ' sign	2'-Fluoro 2'-deoxy nucleoside	C' stands for 2'-fluoro 2'-deoxy cytidine (unmethylated)
C'	UPPER CASE underlined followed by a ' sig	2'-Fluoro 2'-deoxy cytidine	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
N''	UPPER CASE followed by a '' sign	2'-F-Arabinomelic Acid (2'-F-ANA)	C'' stands for a 2'-F-ANA with cytosine base
C''	UPPER CASE underlined followed by a '' sig	2'-F-ANA with cytosine base	

FIG. 1

Table 1.2 continued

SEQ ID NO:	AUS 6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
62	AUS1072	G	C	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A	G	A

FIG. 2 continued

Table 1.2 continued

[illegible]

FIG. 2 continued

Table 1.2 continued

SEQ ID NO.	AUS #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
188	AUS1205	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

FIG. 2 continued

Table 1.2 continued

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FIG. 2 continued

Table 1.2 continued

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FIG. 2 continued

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FIG. 2 continued

Table 1.2 continued

SEQ ID NO:	AUS 4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	AUS1338	A	G	T	G	A	A	C	C	E	A	E	L	E	C	A	C	A	C	A	C	G																													
2	AUS1339	G	T	G	A	A	C	C	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
3	AUS1340	G	T	G	A	A	C	C	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
4	AUS1341	G	T	G	A	A	C	C	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
5	AUS1342	G	T	G	A	A	C	C	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
6	AUS1343	G	T	G	A	A	C	C	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
7	AUS1344	A	G	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
8	AUS1345	T	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	A	C	G																											
9	AUS1346	T	G	C	G	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	A	C	G																												
10	AUS1347	C	A	G	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	A	C	G																											
11	AUS1348	C	A	G	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	A	C	G																											
12	AUS1349	A	G	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
13	AUS1350	A	G	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
14	AUS1351	C	A	C	A	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	G																												
15	AUS1352	C	A	C	A	C	A	A	T	T	G	T	E	A	E	L	E	C	A	C	A	C	G																												
16	AUS1353	C	T	G	C	G	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																													
17	AUS1354	G	C	G	T	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	T																												
18	AUS1355	T	A	T	T	G	L	E	A	E	L	E	C	A	C	A	C	A	C	A	C	A	C	G																											
19	AUS1356	G	T	G	A	G	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
20	AUS1357	G	T	G	A	G	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
21	AUS1358	G	T	G	A	G	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
22	AUS1359	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
23	AUS1360	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
24	AUS1361	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
25	AUS1362	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
26	AUS1363	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
27	AUS1364	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
28	AUS1365	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
29	AUS1366	A	A	A	T	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
30	AUS1367	G	A	G	T	T	C	C	C	E	A	E	L	E	C	A	C	A	C	A	C	G																													
31	AUS1368	T	T	C	C	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
32	AUS1369	C	C	C	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
33	AUS1370	G	C	A	O	T	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
34	AUS1371	A	A	A	U	G	E	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
35	AUS1372	U	A	G	A	T	T	C	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
36	AUS1373	C	G	C	A	G	E	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
37	AUS1374	A	A	A	U	G	E	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
38	AUS1375	C	C	C	C	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	A	C	G																												
39	AUS1376	A	G	A	A	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
40	AUS1377	T	G	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
41	AUS1378	G	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
42	AUS1379	T	G	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	G																												
43	AUS1380	G	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																											
44	AUS1381	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
45	AUS1382	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
46	AUS1383	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
47	AUS1384	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
48	AUS1385	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
49	AUS1386	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												
50	AUS1387	A	A	G	C	A	T	T	E	A	E	L	E	C	A	C	A	C	A	C	A	C	G																												

FIG. 2 continued

Table 1.2 continued

[illegible]

FIG. 2 continued

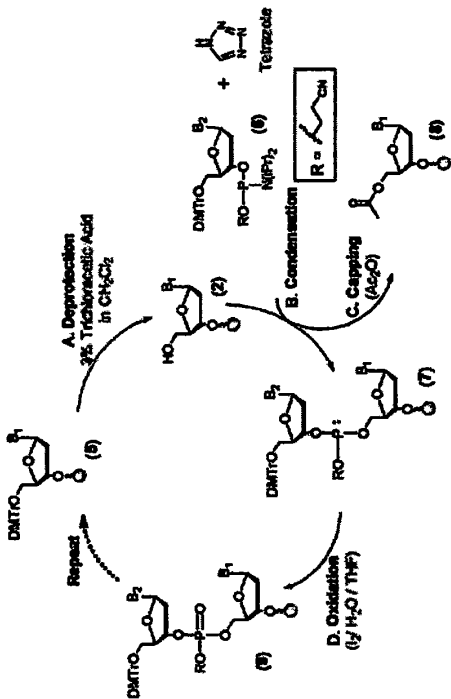


Figure 1. The phosphoramidite approach for oligonucleotide synthesis. (Roy, 2019)

FIG. 3

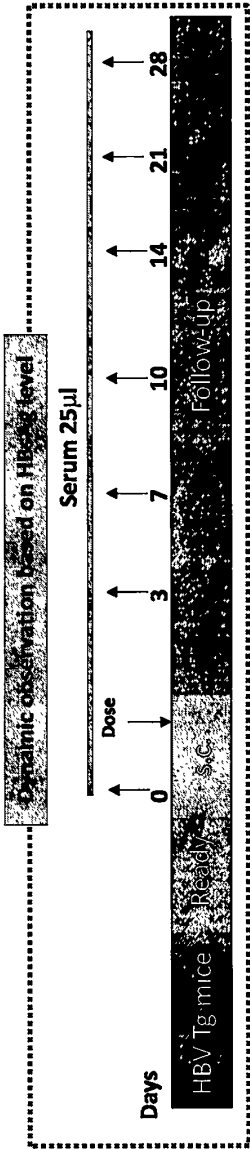


FIG. 4

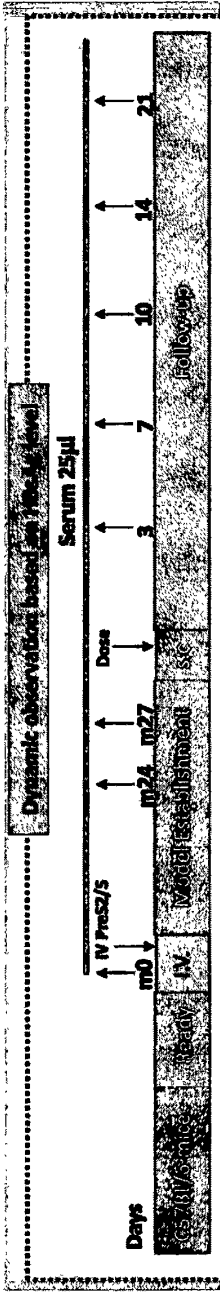


FIG. 5

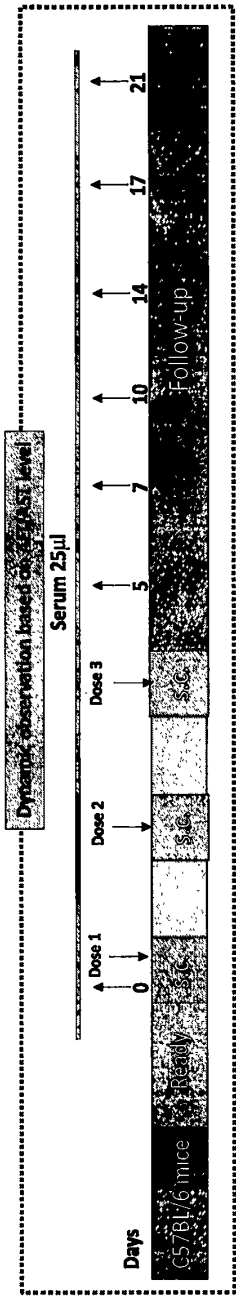


FIG. 6

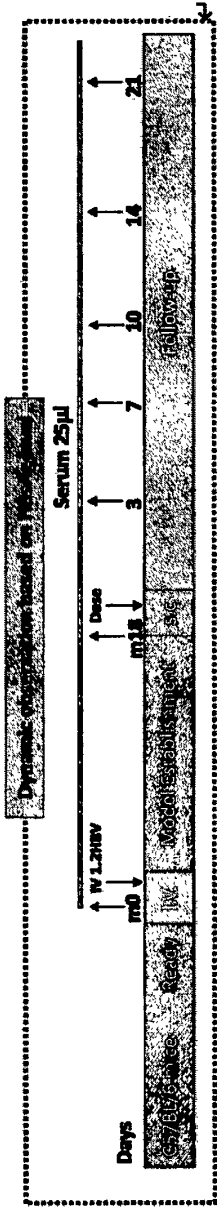


FIG. 7

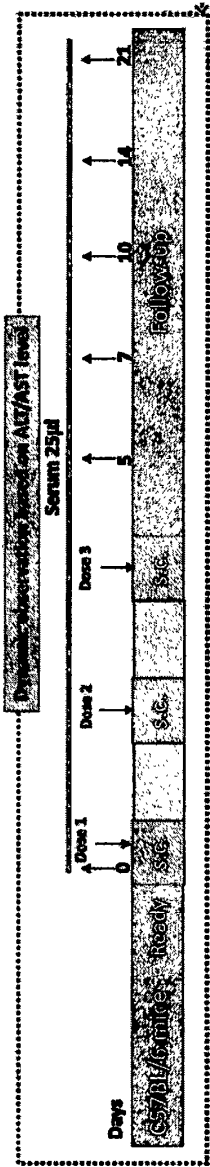


FIG. 8

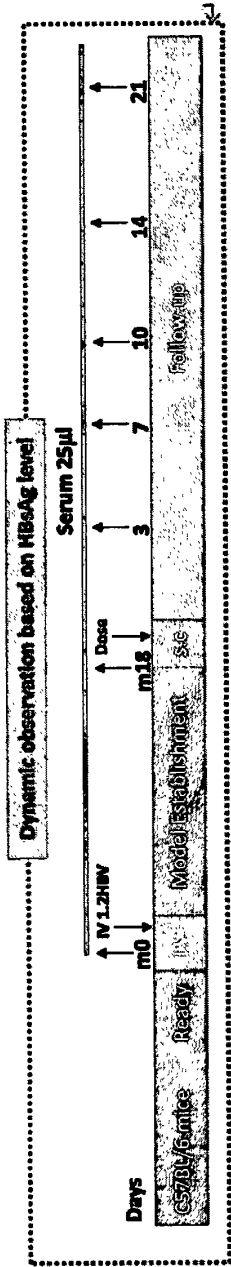


FIG. 9

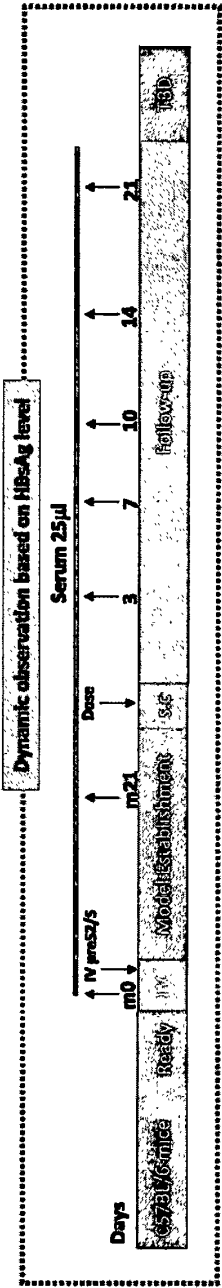


FIG. 10

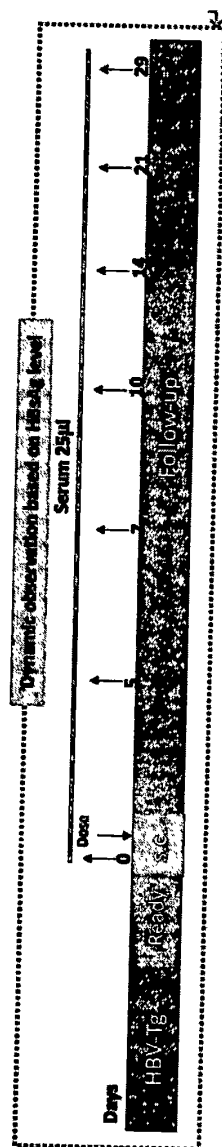


FIG. 11

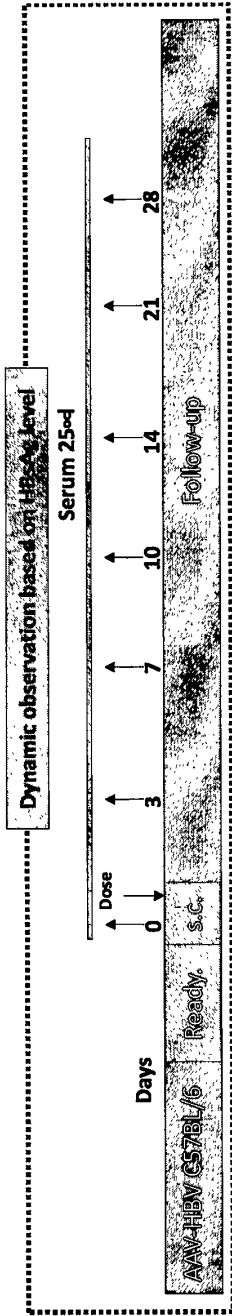


FIG. 12

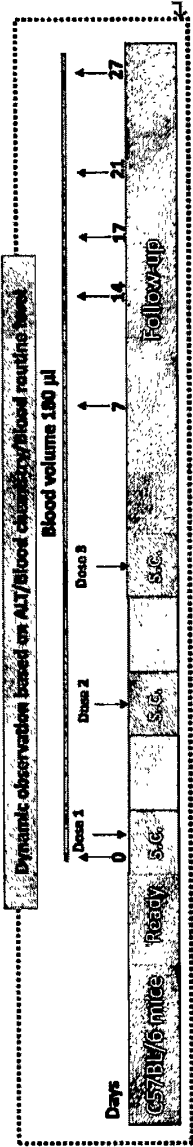


FIG. 13

Table 15.1

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=5)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-1.58	0.35	-1.05	0.14	-1.08	0.16	-1.07	0.14	-0.46	0.12	-0.77	0.08
641	AUS1683	0		-0.39	0.13	-0.68	0.29	-0.53	0.15	-0.66	0.44	-0.16	0.11	-0.46	0.17
642	AUS1684	0		-0.29	0.06	-2.17	0.33	-2.44	0.21	-2.12	1.06	-2.26	0.27	-2.29	0.28
643	AUS1685	0		-0.99	0.3	-1.33	0.74	-0.9	0.92	-0.85	1.03	-0.26	0.08	-0.36	0.21
203	AUS1220	0		0	0.36	-0.43	0.14	-0.43	0.14	-0.57	0.39	-0.25	0.3	-0.72	0.49
294	AUS1322	0		-2.19	0.51	-2.61	0.33	-2.57	0.3	-2.41	0.31	-1.36	0.38	-1.13	0.29
295	AUS1323	0		-1.76	0.36	-2.22	0.28	-2.05	0.38	-1.59	0.26	-1.39	0.44	-1.03	0.2
296	AUS1324	0		-2.35	1.04	-2	0.59	-1.93	0.52	-1.73	1.04	-1	0.51	-0.93	0.3

FIG. 14

Table 15.2

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=4)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS123 3	0		-1.13	0.64	-0.83	0.73	-1.15	0.71	-0.92	0.50	-0.36	0.41	-0.10	0.20
155	AUS116 9	0		-1.83	0.26	-1.75	1.06	-2.18	0.40	-1.90	0.43	-0.82	0.26	-0.32	0.30
157	AUS117 1	0		-1.34	0.48	-1.25	0.35	-1.54	0.36	-1.40	0.37	-0.53	0.43	-0.72	0.53
156	AUS117 0	0		-1.33	0.20	-1.36	0.79	-2.11	0.26	-1.62	0.34	-0.86	0.23	-0.50	0.22
154	AUS116 8	0		-1.50	0.27	-1.62	0.21	-1.87	0.27	-1.55	0.08	-0.60	0.26	-0.35	0.14
294	AUS132 2	0		-2.33	0.14	-2.32	0.16	-2.11	0.11	-1.98	0.19	-1.69	0.29	-0.98	0.17

FIG. 15

Table 15.3

SEQ ID NO:	ID	Days post dosing (30mg/kg, n=2-3)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.43	0.17	-0.58	0.15	-0.33	0.15	-0.61	0.15	0.08	0.14
397	AUS1434	0		-1.60	0.23	-2.17	0.39	-3.07	0.23	-2.31	0.33	-1.06	0.25
398	AUS1435	0		-1.51	0.54	-2.28	0.52	-2.50	0.92	-2.01	0.53	-1.17	1.07
403	AUS1440	0		-1.69	0.05	-2.34	0.08	-2.73	0.29	-1.74	0.31	-0.42	0.16
399	AUS1436	0		-1.56	0.29	-2.59	0.25	-2.84	0.26	-1.89	0.14	-0.44	0.31
400	AUS1437	0		-1.36	0.51	-2.57	0.18	-1.66	0.95	-1.44	0.29	-0.03	0.24
401	AUS1438	0		-1.39	0.11	-2.45	0.41	-1.55	0.81	-2.03	0.27	-0.83	0.21
402	AUS1439	0		-1.89	0.19	-2.89	0.19	-2.09	1.11	-1.90	0.33	-0.58	0.09
404	AUS1441	0		-1.59	0.13	-2.36	0.35	-1.84	0.38	-1.34	0.36	0.14	0.09
385	AUS1422	0		-1.36	0.51	-2.06	0.72	-1.55	0.87	-1.54	0.78	0.01	1.10
386	AUS1423	0		-1.44	0.69	-2.01	1.21	-1.56	1.42	-1.12	1.26	0.08	1.05
387	AUS1424	0		-1.35	0.47	-2.21	0.67	-1.85	0.76	-1.63	0.54	-0.45	0.40
388	AUS1425	0		-1.34	0.29	-2.27	0.55	-2.05	0.55	-1.72	0.34	-0.63	0.06
389	AUS1426	0		-0.69	0.65	-1.35	0.83	-0.64	0.66	-1.03	0.55	0.32	0.06
390	AUS1427	0		-1.27	0.12	-2.51	0.37	-1.99	0.05	-2.39	0.04	-0.92	0.53
391	AUS1428	0		-1.50	0.41	-2.12	0.21	-1.69	0.39	-1.91	0.09	-0.18	0.52
392	AUS1429	0		-1.43	0.18	-2.03	0.14	-1.89	0.10	-1.30	0.72	0.38	0.05
393	AUS1430	0		-1.48	0.13	-1.78	0.26	-1.62	0.29	-1.44	0.14	0.02	0.07
394	AUS1431	0		-1.46	0.13	-1.94	0.13	-1.14	0.61	-1.78	0.10	-0.24	0.38
395	AUS1432	0		-1.11	0.22	-1.43	0.06	-1.45	0.29	-1.90	0.10	0.03	0.03
396	AUS1433	0		-1.28	0.03	-1.39	0.11	-0.62	0.10	-1.39	0.38	0.52	0.19

FIG. 16

Table 15.4

SEQ ID NO:	ID	Days post dosing (30mg/kg, n=2-3)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1 233	0		-0.41	0.31	-0.02	0.26	0.06	0.32	-0.08	0.23	0.10	0.41
426	AUS1 463	0		-1.24	0.49	-1.46	0.49	-1.49	0.97	-0.73	0.39	-0.72	0.06
429	AUS1 466	0		-1.65	0.54	-1.90	0.40	-1.86	0.29	-0.97	0.42	-0.87	0.31
439	AUS1 476	0		-1.49	0.64	-1.15	0.70	-0.86	0.66	-0.62	0.29	-0.55	0.35
435	AUS1 472	0		-0.48	0.50	-1.17	0.12	-0.77	0.79	-0.29	0.39	-0.11	0.38
452	AUS1 489	0		-1.11	0.40	-0.74	0.13	-0.61	0.44	-0.14	0.14	-0.22	0.28
422	AUS1 459	0		-1.60	0.02	-1.53	0.27	-2.16	0.50	-1.06	0.02	-0.66	0.12

FIG. 17

Table 15.5

SEQ ID NO:	ID	Days post dosing (30mg/kg, n=4)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.30	0.24	-0.44	0.14	-0.49	0.17	-0.36	0.23	-0.37	0.12	-0.27	0.10
455	AUS1492	0		-1.63	0.38	-1.45	0.28	-1.66	0.52	-1.36	0.39	-0.82	0.24	-0.39	0.20
458	AUS1495	0		-1.10	0.22	-1.17	0.29	-1.43	0.12	-1.17	0.13	-0.57	0.16	-0.37	0.16
457	AUS1494	0		-0.94	0.35	-1.07	0.36	-1.22	0.39	-0.94	0.16	-0.50	0.19	-0.35	0.26
456	AUS1493	0		-1.13	0.13	-1.20	0.26	-1.47	0.26	-1.22	0.18	-0.62	0.16	-0.41	0.10
445	AUS1482	0		-0.42	0.19	-0.24	0.09	-0.38	0.16	-0.12	0.16	0.05	0.25	0.17	0.18
404	AUS1441	0		-1.48	0.27	-1.21	0.24	-1.32	0.32	-1.13	0.22	-0.30	0.06	-0.06	0.13

FIG. 18

Table 15.6

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=1-2)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS123 3	0		-0.42	0.03	-0.62	0.02	-0.67	0.09	-0.64	0.19	-0.59	0.19
649	AUS169 3	0		-0.25		-0.28		-0.35		-0.38		-0.31	
650	AUS169 4	0		-0.21	0.05	-0.35	0.02	-0.46	0.03	-0.45	0.01	-0.35	0.01
651	AUS169 5	0		-0.14		-0.59		-0.76		-0.83		-0.84	
652	AUS169 6	0		-0.27		-0.24		-0.27		-0.23		-0.27	
653	AUS169 7	0		-0.21	0.04	-0.12	0.02	-0.16	0.00	-0.17	0.00	-0.20	0.08
654	AUS169 8	0		-0.27	0.09	-0.45	0.11	-0.61	0.11	-0.53	0.13	-0.37	0.14
655	AUS169 9	0		-0.14	0.16	-0.45	0.19	-0.62	0.14	-0.57	0.18	-0.57	0.24
656	AUS170 0	0		-0.12	0.12	-0.23	0.17	-0.34	0.22	-0.39	0.18	-0.41	0.24

FIG. 19

Table 15.7

SEQ ID NO:	ID	Days post dosing (10mg/kg for first two rows, 30mg/kg for Rows 3 and 4)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1 233	0		-0.36	0.19	-0.50	0.23	-0.42	0.23	-0.38	0.25	-0.20	0.23	-0.38	0.20
456	AUS1 493	0		-0.56	0.11	-0.92	0.15	-0.58	0.23	-0.48	0.20	-0.28	0.13	-0.16	0.15
10	AUS1 233	0		-1.34	0.34	-1.02	0.16	-0.60	0.30	-0.60	0.25	-0.56	0.18	-0.36	0.11
456	AUS1 493	0		-2.62	0.27	-2.94	0.38	-2.48	0.41	-2.58	0.69	-1.42	0.52	-1.04	0.40

FIG. 20

Table 16.1

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=3-5)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS123 3	0		-0.82	0.32	-1.45	0.19	-1.37	0.63	-1.48	0.39	-0.95	0.30	-0.97	0.70
641	AUS168 3	0		-0.25	0.08	-0.49	0.17	-0.50	0.21	-0.54	0.19	-0.37	0.08	-0.37	0.08
642	AUS168 4	0		-0.47	0.27	-1.16	0.31	-1.36	0.21	-1.62	0.05	-1.33	0.16	-1.41	0.23
643	AUS168 5	0		-0.37	0.16	-0.80	0.31	-0.73	0.26	-0.72	0.21	-0.36	0.16	-0.40	0.11
203	AUS122 0	0		-0.38	0.21	-0.68	0.32	-0.56	0.21	-0.59	0.13	-0.53	0.18	-0.82	0.56
294	AUS132 2	0		-1.22	0.42	-2.27	0.38	-2.54	0.41	-2.92	0.33	-3.09	0.26	-2.74	0.24
295	AUS132 3	0		-0.98	0.23	-1.79	0.43	-1.83	0.43	-2.38	0.36	-2.85	0.65	-2.87	0.88
296	AUS132 4	0		-1.03	0.45	-1.54	0.07	-1.66	0.12	-2.01	0.15	-1.88	0.39	-1.73	0.43

FIG. 21

Table 16.2

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=4)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
155	AUS11 69	0		-0.63	0.03	-1.89	0.13	-2.17	0.32	-2.26	0.27	-2.02	0.08	-1.72	0.10
157	AUS11 71	0		-0.22	0.07	-0.64	0.24	-0.61	0.17	-0.63	0.14	-0.77	0.09	-0.73	0.10
156	AUS11 70	0		-0.54	0.01	-1.67	0.12	-2.00	0.51	-2.17	0.48	-2.25	0.19	-1.80	0.27
154	AUS11 68	0		-0.43	0.12	-1.21	0.27	-1.34	0.23	-1.39	0.18	-1.42	0.33	-2.12	1.61

FIG. 22

Table 16.3

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=3-5)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1 233	0		-0.55	0.11	-1.37	0.20	-1.46	0.16	-1.73	0.17	-1.30	0.21
158	AUS1 173	0		-0.74	0.13	-2.13	0.22	-2.27	0.39	-2.84	0.48	-2.22	0.37
159	AUS1 174	0		-0.96	0.35	-2.68	0.90	-2.52	0.53	-3.17	0.66	-2.68	0.93
160	AUS1 175	0		-0.99	0.60	-2.07	0.58	-1.96	0.34	-2.07	0.35	-1.24	0.22
161	AUS1 176	0		-0.49	0.07	-1.39	0.36	-1.29	0.40	-1.17	0.44	-0.53	0.32

FIG. 23

Table 16.4

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=3-5)											
		0		3		7		10		14			
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.77	0.26	-1.22	0.53	-1.23	0.51	-1.58	0.59		
158	AUS1173	0		-0.83	0.41	-1.68	0.45	-1.75	0.54	-2.34	0.83		
162	AUS1177	0		-0.36	0.13	-0.93	0.19	-1.07	0.22	-1.48	0.26		
163	AUS1178	0		-0.79	0.23	-1.56	0.13	-1.57	0.27	-2.08	0.11		
164	AUS1179	0		-0.66	0.55	-0.89	0.50	-0.97	0.55	-1.43	0.98		
165	AUS1180	0		-0.27	0.13	-0.42	0.11	-0.35	0.20	-0.71	0.14		
166	AUS1181	0		-0.45	0.29	-0.87	0.46	-0.79	0.32	-1.03	0.53		
167	AUS1182	0		-0.65	0.34	-0.94	0.35	-0.95	0.43	-1.17	0.43		
179	AUS1194	0		-0.59	0.26	-0.78	0.41	-0.91	0.54	-1.35	0.41		
169	AUS1184	0		-0.55	0.19	-0.99	0.14	-0.96	0.16	-1.31	0.12		
170	AUS1185	0		-0.54	0.54	-1.06	0.35	-1.35	0.28	-1.61	0.39		
171	AUS1186	0		-0.74	0.15	-1.19	0.22	-1.40	0.24	-1.83	0.22		
172	AUS1187	0		-0.35	0.16	-0.65	0.22	-0.91	0.31	-1.36	0.36		
173	AUS1188	0		-0.91	0.34	-1.56	0.06	-1.80	0.05	-2.17	0.14		
174	AUS1189	0		-0.41	0.34	-0.55	0.39	-0.44	0.37	-0.73	0.30		
175	AUS1190	0		-1.27	0.27	-1.78	0.36	-1.97	0.74	-2.20	0.25		
176	AUS1191	0		-0.91	0.77	-1.38	1.19	-1.70	1.36	-1.48	0.84		
177	AUS1192	0		-0.96	0.41	-2.29	1.37	-1.39	0.26	-2.40	0.93		
178	AUS1193	0		-1.01	0.95	-1.59	1.11	-1.49	0.83	-1.89	0.45		
168	AUS1183	0		-0.96	0.57	-1.99	1.36	-1.79	1.11	-1.93	1.08		
212	AUS1239	0		-0.65	0.26	-1.50	0.86	-1.74	1.21	-1.42	0.43		
297	AUS1325	0		-1.25	0.58	-2.48	0.72	-3.57	0.83	-2.61	0.27		
298	AUS1326	0		-1.17	0.52	-2.52	0.53	-3.28	0.57	-2.47	0.47		
299	AUS1327	0		-1.01	0.32	-2.80	0.34	-4.10	0.93	-3.39	0.48		
300	AUS1328	0		-0.88	0.22	-2.63	0.60	-3.28	0.46	-3.02	0.80		
301	AUS1329	0		-1.08	0.55	-2.41	0.42	-2.65	0.81	-2.95	0.55		
160	AUS1175	0		-1.16	0.24	-2.15	0.29	-1.94	0.22	-2.35	0.25		
330	AUS1361	0		-1.02	0.24	-2.64	0.45	-2.48	0.24	-2.83	0.37		
331	AUS1362	0		-1.50	1.08	-2.48	0.88	-2.53	0.57	-2.34	0.25		

FIG. 24

Table 16.5

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=5)											
		0		3		7		10		14		22	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.50	0.18	-1.04	0.11	-1.45	0.24	-0.97	0.15	-0.85	0.22
294	AUS1322			-1.03	0.37	-1.71	0.26	-2.51	0.41	-2.12	0.29	-2.58	0.38
346	AUS1382			-1.10	0.40	-2.12	0.41	-2.94	0.65	-3.66	0.52	-4.45	0.48
347	AUS1383			-1.79	0.74	-2.61	0.54	-2.65	1.38	-3.79	0.60	-3.90	0.39
348	AUS1384			-1.34	0.86	-1.65	0.30	-2.46	0.49	-2.45	0.43	-2.76	0.45
349	AUS1385			-1.25	0.76	-2.06	0.29	-3.20	0.39	-3.23	0.37	-4.23	0.51

FIG. 25

Table 16.6

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=5)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
294	AUS1322			-0.87	0.18	-2.08	0.25	-2.45	1.09	-2.99	0.82	-3.01	0.40
351	AUS1388			-0.91	0.37	-1.77	0.38	-1.62	0.82	-2.20	0.80	-2.43	0.73
352	AUS1389			-0.94	0.67	-1.33	0.58	-1.60	0.93	-1.43	0.59	-1.84	0.66
353	AUS1390			-1.13	0.76	-2.00	0.37	-1.68	1.19	-2.12	0.50	-2.85	0.72
355	AUS1392			-0.77	0.31	-1.33	0.13	-1.29	0.89	-1.43	0.22	-1.97	0.25
356	AUS1393			-0.73	0.47	-1.28	0.18	-1.83	0.40	-1.40	0.34	-1.83	0.38
359	AUS1396			-0.78	0.02	-1.85	0.10	-2.18	0.92	-2.45	0.34	-3.72	0.27
366	AUS1403			-0.84	0.43	-2.16	0.32	-3.04	0.44	-2.83	0.66	-3.20	0.38
372	AUS1409			-1.09	0.52	-1.97	0.29	-2.68	0.35	-3.51	0.39	-4.33	0.38
374	AUS1411			-1.19	0.66	-1.97	0.48	-2.21	0.73	-3.04	0.68	-4.45	0.30
376	AUS1413			-0.84	0.33	-1.60	0.50	-3.13	0.71	-3.06	0.89	-4.21	0.69
377	AUS1414			-0.92	0.71	-1.59	0.33	-2.32	0.52	-2.76	0.37	-4.28	0.63
378	AUS1415			-0.96	0.21	-2.45	0.38	-3.30	0.22	-3.24	0.47	-4.18	0.34

FIG. 26

Table 16.7

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=4)											
		0		3		7		10		14			
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD		
350	AUS13 87			-1.02	0.37	-1.90	0.54	-2.38	0.63	-2.66	0.78		
298	AUS13 26			-0.96	0.31	-1.86	0.29	-2.56	0.48	-2.94	0.50		
300	AUS13 28			-0.86	0.16	-2.28	0.40	-3.33	0.37	-4.02	0.45		
351	AUS13 88			-0.83	0.18	-1.37	0.41	-1.65	0.44	-1.92	0.57		
353	AUS13 90			-1.05	0.19	-1.74	0.32	-2.10	0.35	-2.43	0.66		
366	AUS14 03			-1.05	0.05	-1.70	0.55	-2.22	0.75	-2.69	0.87		
329	AUS13 60			-0.74	0.26	-1.65	0.19	-1.81	0.16	-1.70	0.26		

FIG. 27

Table 16.8

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=2-4)														
		0		3		7		10		14		21				
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	SD
10	AUS1233	0		-0.45	0.10	-0.66	0.20	-1.00	0.25	-1.03	0.23	-0.83	0.19			
397	AUS1434	0		-1.08	0.09	-1.82	0.32	-2.18	0.41	-2.49	0.39	-2.60	0.47			
398	AUS1435	0		-1.34	0.36	-1.69	0.10	-2.20	0.17	-2.44	0.05	-2.68	0.16			
403	AUS1440	0		-1.02	0.28	-1.65	0.29	-2.08	0.42	-2.26	0.32	-2.28	0.32			
399	AUS1436	0		-1.08	0.16	-1.73	0.09	-1.95	0.18	-2.29	0.25	-1.79	0.41			
400	AUS1437	0		-1.33	0.71	-2.07	0.82	-2.19	0.59	-2.25	0.47	-1.77	0.31			
401	AUS1438	0		-1.07	0.14	-1.55	0.28	-2.02	0.33	-2.30	0.39	-2.53	0.49			
402	AUS1439	0		-1.06	0.12	-1.93	0.30	-2.42	0.32	-2.59	0.26	-2.76	0.26			
404	AUS1441	0		-0.81	0.13	-1.58	0.23	-1.79	0.24	-1.71	0.21	-1.34	0.23			
385	AUS1422	0		-1.13	0.29	-2.35	1.04	-2.53	0.91	-2.35	0.40	-2.00	0.56			
386	AUS1423	0		-1.27	0.75	-2.53	0.90	-2.82	0.72	-2.70	0.67	-2.31	0.61			
387	AUS1424	0		-1.72	1.60	-2.37	0.90	-2.09	0.21	-2.46	0.52	-2.10	1.15			
388	AUS1425	0		-1.09	0.29	-2.05	0.23	-2.17	0.33	-2.57	0.42	-2.07	0.36			
389	AUS1426	0		-0.91	0.20	-1.57	0.22	-1.86	0.20	-2.03	0.22	-1.46	0.18			
390	AUS1427	0		-0.87	0.36	-1.90	0.03	-2.16	0.15	-2.20	0.15	-1.72	0.15			
391	AUS1428	0		-0.83	0.12	-2.02	0.63	-2.46	0.84	-2.64	1.06	-2.44	1.62			
392	AUS1429	0		-0.70	0.26	-1.48	0.51	-1.71	0.49	-1.51	0.51	-0.89	0.46			
393	AUS1430	0		-1.20	0.49	-2.08	0.52	-2.36	0.48	-2.36	0.55	-1.77	0.51			
394	AUS1431	0		-0.61	0.18	-1.58	0.25	-1.72	0.17	-1.44	0.39	-0.85	0.22			
395	AUS1432	0		-0.83	0.07	-1.48	0.04	-1.68	0.09	-1.78	0.07	-1.27	0.29			
396	AUS1433	0		-1.11	0.63	-1.66	0.38	-1.82	0.41	-1.96	0.35	-1.18	0.27			

FIG. 28

Table 16.9

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=2-3)																	
		0		3		7		10		14		21							
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD						
10	AUS1233	0		-0.39	0.06	-0.60	0.27	-0.67	0.29	-0.39	0.31	-0.28	0.32						
407	AUS1444	0		-0.92	0.12	-2.07	0.49	-2.46	0.94	-2.25	0.96	-1.75	1.08						
421	AUS1458	0		-0.89	0.36	-1.92	0.14	-2.03	0.13	-1.99	0.23	-1.56	0.36						
422	AUS1459	0		-0.66	0.10	-1.75	0.28	-1.98	0.38	-1.86	0.35	-1.39	0.43						
423	AUS1460	0		-1.12	0.52	-1.66	0.04	-1.87	0.16	-1.82	0.06	-1.49	0.20						
424	AUS1461	0		-0.91	0.68	-1.76	0.47	-1.97	0.25	-1.84	0.16	-1.27	0.12						
425	AUS1462	0		-0.48	0.29	-1.06	0.08	-1.14	0.07	-0.96	0.12	-0.70	0.07						
426	AUS1463	0		-1.00	0.05	-1.55	0.01	-1.68	0.13	-1.81	0.35	-3.08	2.31						
427	AUS1464	0		-0.40	0.06	-0.90	0.28	-1.09	0.13	-0.89	0.09	-0.60	0.10						
428	AUS1465	0		-0.59	0.06	-0.96	0.21	-1.06	0.20	-0.71	0.28	-0.30	0.31						
429	AUS1466	0		-0.69	0.16	-1.58	0.05	-1.98	0.66	-1.77	0.58	-1.65	1.22						
430	AUS1467	0		-0.43	0.02	-1.11	0.41	-1.41	0.72	-1.20	0.65	-1.17	0.63						
431	AUS1468	0		-0.73	0.45	-1.27	0.71	-1.59	0.99	-0.95	0.86	-0.41	1.09						
432	AUS1469	0		-0.98	0.31	-1.72	0.19	-2.35	0.91	-1.83	0.08	-1.80	0.40						
433	AUS1470	0		-0.50	0.37	-0.85	0.75	-1.01	0.78	-0.73	0.91	-0.33	1.00						
434	AUS1471	0		-0.79	0.41	-1.83	1.76	-2.91	2.91	-2.50	2.57	-3.65	0.74						
435	AUS1472	0		-0.85	0.40	-1.39	0.34	-1.53	0.38	-1.23	0.25	-0.90	0.24						
436	AUS1473	0		-0.53	0.11	-0.98	0.35	-1.01	0.16	-0.79	0.10	-0.54	0.15						
437	AUS1474	0		-0.34	0.08	-0.43	0.12	-0.58	0.14	-0.41	0.15	-0.39	0.19						
438	AUS1475	0		-0.41	0.03	-0.64	0.40	-0.69	0.67	-0.45	0.74	-0.12	0.79						
439	AUS1476	0		-0.79	0.06	-1.25	0.68	-1.29	0.77	-0.95	1.00	-0.44	1.12						
440	AUS1477	0		-0.73	0.55	-0.94	0.55	-0.88	0.43	-0.65	0.27	-0.30	0.11						
441	AUS1478	0		-0.16	0.02	-0.69	0.04	-0.84	0.02	-0.66	0.08	-0.51	0.12						
442	AUS1479	0		-0.42	0.18	-0.87	0.25	-1.07	0.14	-0.89	0.21	-0.55	0.17						
443	AUS1480	0		-0.62	0.05	-1.10	0.05	-1.12	0.05	-1.03	0.14	-0.84	0.16						
444	AUS1481	0		-0.50	0.20	-0.64	0.06	-0.72	0.03	-0.57	0.05	-0.65	0.12						
445	AUS1482	0		-0.66	0.36	-1.19	0.91	-1.41	1.07	-1.01	0.72	-0.91	0.43						
446	AUS1483	0		-0.44	0.29	-0.26	0.05	-0.31	0.07	-0.24	0.12	-0.13	0.00						
451	AUS1488	0		-0.49	0.24	-0.73	0.26	-0.88	0.18	-0.75	0.45	-0.57	0.27						
452	AUS1489	0		-0.75	0.17	-1.36	0.31	-1.50	0.34	-1.12	0.34	-0.91	0.29						
453	AUS1490	0		-0.74	0.06	-1.41	0.17	-1.64	0.21	-1.55	0.08	-1.36	0.01						
406	AUS1443	0		-0.98	0.42	-1.90	0.43	-2.01	0.44	-2.11	0.37	-2.18	0.22						
407	AUS1444	0		-1.21	0.54	-2.94	1.50	-3.33	1.22	-3.39	1.47	-2.84	1.02						
408	AUS1445	0		-1.26	0.41	-1.73	0.41	-1.98	0.00	-1.36	0.41	-0.44	0.50						

FIG. 29

Table 16.10

SEQ ID NO:	ID	Days post dosing (15mg/kg (top set) or 45mg/kg (bottom set), n=5)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS123 3	0		-0.24	0.09	-0.34	0.16	-0.48	0.15	-0.34	0.31	-0.16	0.11	-0.21	0.12
455	AUS149 2	0		-0.44	0.13	-0.79	0.33	-0.92	0.26	-0.74	0.20	-0.33	0.11	-0.31	0.13
456	AUS149 3	0		-0.46	0.12	-0.75	0.13	-0.89	0.11	-0.62	0.13	-0.31	0.18	-0.32	0.28
10	AUS123 3	0		-0.69	0.27	-1.37	0.30	-1.40	0.29	-1.95	1.13	-1.67	1.31	-1.60	1.47
455	AUS149 2	0		-0.95	0.42	-1.91	0.25	-2.04	0.28	-1.83	0.21	-1.22	0.17	-0.91	0.18
456	AUS149 3	0		-0.75	0.14	-1.76	0.20	-1.86	0.19	-1.73	0.23	-1.11	0.12	-0.88	0.19

FIG. 30

Table 16.11

SEQ ID NO:	ID	Days post dosing (15 mg/kg top three rows, 45 mg/kg in bottom three rows; n=5)														
		0			3			7			10			14		
		mean	SD		mean	SD		mean	SD		mean	SD		mean	SD	
10	AUS12 33	0			-0.30	0.08		-0.30	0.14		-0.23	0.08		-0.11	0.08	
455	AUS14 92	0			-0.57	0.17		-0.68	0.16		-0.71	0.17		-0.50	0.14	
456	AUS14 93	0			-0.44	0.10		-0.59	0.09		-0.55	0.11		-0.37	0.12	
10	AUS12 33	0			-0.68	0.06		-0.84	0.13		-0.76	0.07		-0.78	0.12	
455	AUS14 92	0			-0.91	0.15		-1.53	0.17		-1.59	0.17		-1.32	0.22	
456	AUS14 93	0			-0.92	0.09		-1.73	0.11		-1.76	0.10		-1.43	0.15	
														-0.88	0.16	
														-0.53	0.15	

FIG. 31

Table 16.12

SEQ ID NO:	ID	Days post dosing (40 mg/kg, n=3)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-1.05	0.61	-1.52	1.15	-1.56	1.17	-1.69	1.35	-1.61	1.18
404	AUS1441	0		-1.02	0.02	-1.66	0.05	-1.62	0.13	-1.64	0.18	-1.13	0.17
429	AUS1466	0		-0.85	0.07	-1.34	0.03	-1.31	0.10	-1.21	0.17	-0.87	0.16
435	AUS1472	0		-0.85	0.25	-1.24	0.08	-1.07	0.19	-0.78	0.12	-0.64	0.19
451	AUS1488	0		-0.74	0.13	-0.54	0.18	-0.55	0.12	-0.56	0.10	-0.35	0.18
452	AUS1489	0		-0.80	0.05	-1.30	0.09	-1.33	0.18	-1.11	0.12	-0.81	0.14

FIG. 32

Table 16.13

SEQ ID NO:	ID	Days post dosing (15mg/kg for top three rows; 45mg/kg for bottom 5 rows, n=3-5)																	
		0		3		7		10		14		21		28					
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD				
10	AUS123 3	0		-0.34	0.05	-0.47	0.12	-0.47	0.10	-0.35	0.16	-0.34	0.08	-0.45	0.06				
458	AUS149 5	0		-0.41	0.13	-0.78	0.11	-0.76	0.08	-0.66	0.08	-0.51	0.10	-0.70	0.14				
457	AUS149 4	0		-0.29	0.08	-0.73	0.16	-0.76	0.14	-0.69	0.20	-0.29	0.07	-0.26	0.06				
10	AUS123 3	0		-0.70	0.08	-1.15	0.19	-1.19	0.23	-1.20	0.22	-0.99	0.20	-0.91	0.21				
458	AUS149 5	0		-0.89	0.17	-1.96	0.30	-1.90	0.20	-1.87	0.17	-1.24	0.10	-1.10	0.11				
457	AUS149 4	0		-0.92	0.06	-2.07	0.32	-1.97	0.22	-2.01	0.19	-1.19	0.24	-1.01	0.23				
455	AUS149 2	0		-1.04	0.11	-2.02	0.18	-2.08	0.11	-2.18	0.11	-1.41	0.05	-1.16	0.07				
404	AUS144 1	0		-1.06	0.06	-2.33	0.15	-2.14	0.21	-2.37	0.24	-1.63	0.31	-1.76	0.96				

FIG. 33

Table 16.14

SEQ ID NO:	ID	Days post dosing (15mg/kg for top three rows; 45mg/kg for bottom 5 rows, n=5)															
		0		3		7		10		14		21		28			
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.16	0.11	-0.38	0.16	-0.61	0.37	-0.63	0.49	-0.61	0.87	-1.09	1.32		
458	AUS1495	0		-0.36	0.10	-0.56	0.14	-0.62	0.12	-0.50	0.14	-0.31	0.23	-0.63	0.27		
457	AUS1494	0		-0.32	0.11	-0.52	0.12	-0.56	0.07	-0.46	0.13	-0.54	0.61	-0.74	0.84		
10	AUS1233	0		-0.90	0.19	-1.27	0.32	-1.38	0.42	-1.33	0.46	-1.19	0.73	-1.32	1.19		
458	AUS1495	0		-0.82	0.26	-1.46	0.31	-1.36	0.26	-1.20	0.25	-0.87	0.17	-0.88	0.19		
457	AUS1494	0		-0.93	0.10	-1.22	0.22	-1.16	0.34	-1.10	0.65	-0.98	0.88	-1.17	1.04		
455	AUS1492	0		-0.98	0.13	-1.55	0.17	-1.42	0.19	-1.46	0.22	-1.24	0.38	-1.19	0.44		
445	AUS1482	0		-0.75	0.14	-0.95	0.22	-0.83	0.26	-0.56	0.20	-0.47	0.22	-0.48	0.21		
404	AUS1441	0		-0.84	0.15	-1.48	0.34	-1.29	0.34	-1.18	0.47	-0.87	0.50	-0.79	0.55		

FIG. 34

Table 16.15

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=3)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1 233	0		-0.33	0.05	-0.41	0.06	-0.34	0.05	-0.32	0.06	-0.18	0.12
642	AUS1 684	0		-0.20	0.06	-0.31	0.04	-0.28	0.03	-0.42	0.08	-0.29	0.15

FIG. 35

Table 16.16

SEQ ID NO:	ID	Days post dosing (45mg/kg, n=4)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.62	0.17	-1.79	0.16	-1.61	0.09	-1.05	0.16	-0.62	0.18	-0.32	0.09
455	AUS1492	0		-0.95	0.22	-2.18	0.11	-2.26	0.28	-1.56	0.23	-0.97	0.19	-0.39	0.06
456	AUS1493	0		-0.99	0.18	-2.19	0.14	-2.21	0.27	-1.49	0.30	-0.67	0.29	-0.48	0.16

FIG. 36

Table 16.17

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=2-4)											
		0		3		7		10		14		21	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
10	AUS1233	0		-0.59	0.22	-1.14	1.00	-1.18	0.87	-1.81	0.59	-1.12	1.98
359	AUS1396	0		-1.02	0.52	-1.67	0.36	-2.06	0.51	-2.06	0.75	-2.44	1.49
385	AUS1422	0		-1.06	0.93	-1.92	2.03	-1.51	1.96	-2.75	0.39	-1.69	2.29
386	AUS1423	0		-2.21	1.65	-1.54	0.53	-1.94	1.01	-1.92	2.09	-2.53	0.94
387	AUS1424	0		-1.92	1.43	-2.44	0.95	-2.26	1.53	-1.77	0.26	-1.84	0.57
388	AUS1425	0		-0.90	0.06	-1.23	0.24	-1.00	0.15	-2.65	1.17	-0.92	0.57
389	AUS1426	0		-0.88	0.22	-1.12	0.45	-0.80	0.54	-2.05	1.38	-1.35	1.01
390	AUS1427	0		-1.85	0.04	-3.22	0.03	-4.49	0.44	-1.07	0.58	-4.13	0.27
391	AUS1428	0		-1.73	0.86	-3.78	1.00	-4.35	0.45	-3.74	0.48	-4.43	0.86
392	AUS1429	0		-1.15	0.21	-2.60	1.53	-3.07	1.54	-3.64	0.42	-2.71	1.35
393	AUS1430	0		-1.35	0.97	-1.65	0.91	-1.49	1.33	-2.41	0.78	-1.20	1.09
394	AUS1431	0		-1.00	0.40	-1.09	0.64	-1.40	1.23	-1.58	1.21	-2.24	1.26
395	AUS1432	0		-1.48	0.82	-1.58	0.51	-1.79	0.83	-1.70	0.91	-1.68	0.74
396	AUS1433	0		-1.62	0.31	-1.90	0.41	-1.78	0.41	-1.75	0.60	-2.07	1.76

FIG. 37

Table 16.18

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=2-3)																	
		0		3		7		10		14		21							
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD						
10	AUS1233	0	-0.67	0.19	-0.69	0.10	-0.76	0.05	-0.82	0.10	-0.68	0.14							
407	AUS1444	0	-1.10	0.39	-1.81	0.59	-1.93	0.85	-3.42	2.29	-1.88	0.76							
421	AUS1458	0	-0.99	0.02	-1.31	0.17	-1.38	0.22	-2.01	0.26	-1.84	1.13							
422	AUS1459	0	-0.97	0.12	-1.31	0.28	-1.26	0.38	-1.20	0.44	-1.02	0.29							
423	AUS1460	0	-0.84	0.11	-1.07	0.01	-1.01	0.05	-1.03	0.07	-0.87	0.04							
424	AUS1461	0	-0.90	0.05	-1.01	0.07	-0.98	0.07	-0.93	0.13	-0.80	0.13							
425	AUS1462	0	-0.77	0.21	-0.94	0.34	-1.35	0.78	-2.67	2.81	-2.24	2.47							
426	AUS1463	0	-1.00	0.19	-1.37	0.48	-1.42	0.54	-2.33	1.33	-2.04	0.04							
427	AUS1464	0	-0.94	0.42	-1.10	0.74	-1.08	0.90	-1.78	1.96	-1.18	1.05							
428	AUS1465	0	-0.81	0.17	-1.00	0.31	-1.08	0.36	-1.15	0.66	-1.30	1.15							
429	AUS1466	0	-0.72	0.09	-1.11	0.42	-1.12	0.48	-1.51	0.68	-1.65	0.53							
430	AUS1467	0	-0.75	0.07	-1.22	0.21	-1.30	0.40	-1.50	0.43	-2.80	2.11							
431	AUS1468	0	-0.66	0.08	-0.99	0.09	-0.92	0.09	-0.91	0.01	-1.09	0.55							
432	AUS1469	0	-0.55	0.11	-0.73	0.17	-0.67	0.15	-0.74	0.05	-0.67	0.02							
433	AUS1470	0	-0.72	0.20	-0.93	0.33	-0.92	0.36	-0.82	0.45	-0.76	0.36							
434	AUS1471	0	-0.54	0.08	-0.54	0.02	-0.61	0.12	-0.60	0.25	-0.81	0.16							
435	AUS1472	0	-1.77	1.31	-2.33	1.43	-2.69	1.35	-2.57	1.51	-2.50	1.29							
436	AUS1473	0	-1.09	0.55	-1.48	0.54	-2.46	2.13	-2.32	1.87	-2.29	2.05							
437	AUS1474	0	-0.48	0.10	-0.63	0.07	-0.59	0.14	-0.48	0.06	-0.59	0.06							
438	AUS1475	0	-1.53	1.01	-2.29	1.70	-2.81	2.36	-2.76	1.23	-3.07	0.85							
439	AUS1476	0	-1.35	0.44	-2.26	2.01	-3.12	2.16	-2.72	1.98	-2.66	1.61							
440	AUS1477	0	-0.65	0.10	-0.70	0.04	-0.69	0.06	-0.46	0.13	-0.67	0.24							
441	AUS1478	0	-1.06	0.39	-0.92	1.00	-1.16	0.94	-0.94	0.72	-1.14	0.79							
442	AUS1479	0	-0.72	0.02	-0.90	0.16	-0.86	0.23	-0.71	0.12	-0.86	0.00							
443	AUS1480	0	-2.50	2.05	-2.40	2.01	-2.66	2.07	-2.30	1.86	-2.47	2.09							
444	AUS1481	0	-0.64	0.01	-0.83	0.03	-1.20	0.47	-1.86	1.57	-2.17	1.92							
445	AUS1482	0	-0.77	0.22	-0.98	0.05	-0.68	0.17	-0.56	0.17	-0.56	0.08							
446	AUS1483	0	-1.34	0.26	-1.49	0.24	-2.22	1.29	-2.00	1.23	-2.93	1.34							
451	AUS1488	0	-0.43	0.02	-0.58	0.02	-0.55	0.08	-0.23	0.08	-0.39	0.08							
452	AUS1489	0	-0.82	0.12	-1.00	0.02	-1.01	0.13	-1.04	0.36	-1.64	0.18							
453	AUS1490	0	-0.97	0.11	-1.30	0.06	-1.43	0.41	-1.21	0.56	-1.58	1.15							
406	AUS1443	0	-1.28	0.21	-2.36	0.61	-2.66	0.87	-2.38	0.89	-2.40	0.91							
397	AUS1434	0	-1.00	0.09	-1.75	0.07	-2.83	0.76	-2.59	0.80	-3.24	0.32							

FIG. 38

Table 17

SEQ ID NO:	ID	Days post dosing (40mg/kg, n=4)													
		0		3		7		10		14		21		28	
		mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD	mean	SD
		HBsAg													
10	AUS1 233	0		-0.52	0.04	-0.66	0.03	-0.61	0.03	-0.54	0.03	-0.30	0.05	-0.22	0.05
456	AUS1 493	0		-0.71	0.10	-1.36	0.13	-1.26	0.19	-1.12	0.10	-0.72	0.04	-0.46	0.03
HBeAg															
10	AUS1 233	0		-0.63	0.02	-0.79	0.04	-0.75	0.05	-0.59	0.04	-0.44	0.06	-0.35	0.07
456	AUS1 493	0		-1.00	0.09	-1.31	0.08	-1.25	0.05	-1.02	0.05	-0.77	0.02	-0.57	0.01
HBV DNA															
10	AUS1 233	0		-0.62	0.15	-1.32	0.14	-1.46	0.28	-1.23	0.15	-0.99	0.13	-0.62	0.13
456	AUS1 493	0		-0.85	0.33	-1.88	0.20	-2.24	0.41	-2.37	0.13	-1.86	0.14	-1.29	0.15

FIG. 39

Table 18.1

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=4)							
		5	7	10	14	17	21		
		geomean	geomean	geomean	geomean	geomean	geomean	geomean	geomean
10	AUS1233	7.60	11.23	6.74	13.40	51.54	34.22		
397	AUS1434	9.84	18.54	236.96	298.39		9.24		
398	AUS1435	8.76	38.98	230.81	318.45		7.18		
403	AUS1440	10.87	16.23	80.49	277.92		16.53		
399	AUS1436	14.15	181.88	230.62	117.80		4.87		
400	AUS1437	11.19	30.05	141.18	137.67		4.87		
401	AUS1438	10.14	30.67	347.02	238.82		4.39		
402	AUS1439	9.78	11.06	89.09	321.05		5.72		
404	AUS1441	15.27	12.91	15.55	28.33	22.37	5.04		
163	AUS1178	11.52	9.80	17.13	161.86		16.76		
175	AUS1190	8.52	8.78	15.55	166.77		11.84		
173	AUS1188	10.96	13.67	17.51	153.60		12.16		
177	AUS1192	9.84	10.10	23.62	210.64		13.91		
385	AUS1422	8.11	8.48	31.33	98.02		8.65		
386	AUS1423	8.21	11.79	72.31	200.99		11.67		
387	AUS1424	8.76	10.40	17.29	44.09	140.54	10.02		
388	AUS1425	7.24	10.68	25.48	93.02		9.91		
389	AUS1426	6.07	10.36	15.89	26.59	58.62	9.16		
390	AUS1427	9.52	10.81	23.28	32.21	41.39	10.41		
391	AUS1428	11.58	11.74	28.52	161.42		8.48		
392	AUS1429	15.61	9.81	5.36	14.32	6.49	6.38		
393	AUS1430	12.48	7.89	22.59	288.26		9.01		
394	AUS1431	10.37	9.79	9.81	12.11	40.99	5.11		
395	AUS1432	12.36	9.54	21.88	103.02		7.36		
396	AUS1433	12.13	59.64	55.17	127.75		9.28		
329	AUS1360	16	9	20	58	18	11		
364	AUS1401	17	10	16	97		20		
330	AUS1361	11	12	67	48	5	9		
331	AUS1362	14	8	40	45	5	9		
374	AUS1411	354	301						

FIG. 40

Table 18.2

SEQ ID NO:	ID	Days post dosing (60mg/kg, n=3)							
		5	7	10	14	17	21		
		geomean	geomean	geomean	geomean	geomean	geomean	geomean	geomean
406	AUS1443	9.94	9.47	19.87	71.87	153.49	27.90		
407	AUS1444	18.98	11.76	8.00	24.40	76.12	18.76		
408	AUS1445	24.28	17.71	190.68	85.07	19.56	13.93		
409	AUS1446	10.36	8.23	9.89	12.53	19.08	15.93		
410	AUS1447	13.62	8.40	13.18	7.62	13.48	14.15		
411	AUS1448	14.96	9.90	8.93	8.48	7.79	11.13		
412	AUS1449	11.38	7.42	9.87	11.38	8.37	7.21		
413	AUS1450	9.94	8.48	7.82	11.18	9.49	8.08		
415	AUS1452	12.89	6.34	8.79	9.52	8.86	10.64		
416	AUS1453	12.27	7.55	7.96	9.47	9.49	9.03		
417	AUS1454	11.68	6.12	8.77	20.95	35.05	18.72		
418	AUS1455	9.74	5.96	11.35	26.56	38.66	17.80		
419	AUS1456	10.85	7.17	11.41	12.55	19.15	11.59		
420	AUS1457	9.52	8.13	8.88	10.04	9.51	7.47		

FIG. 41