

FIG. 1



FIG. 2

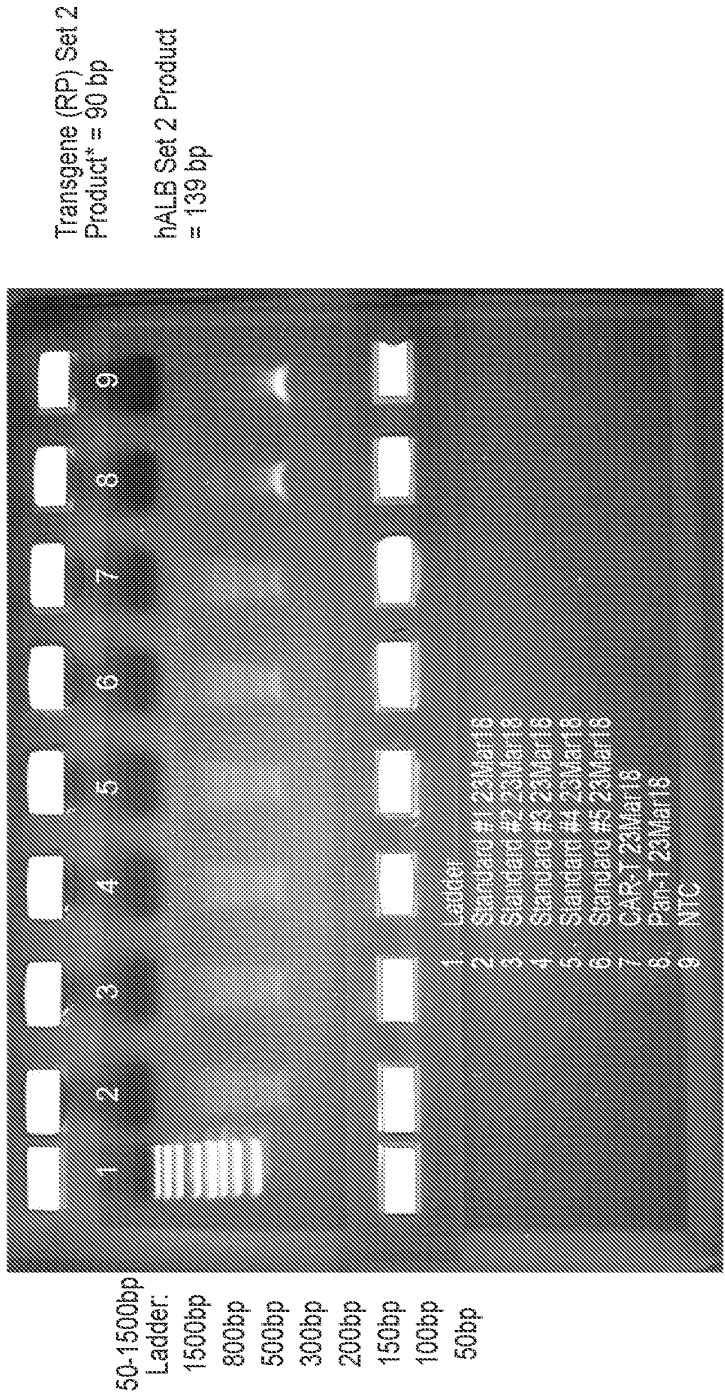


FIG. 3

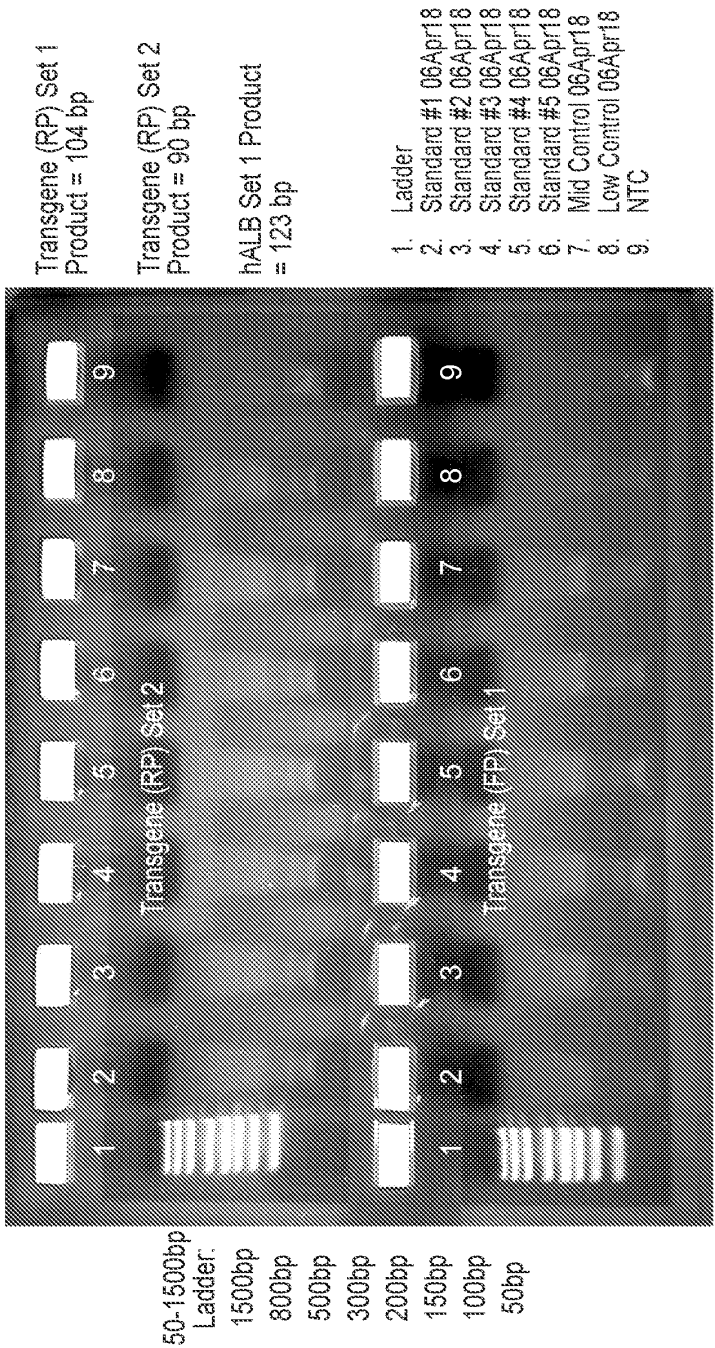


FIG. 4A

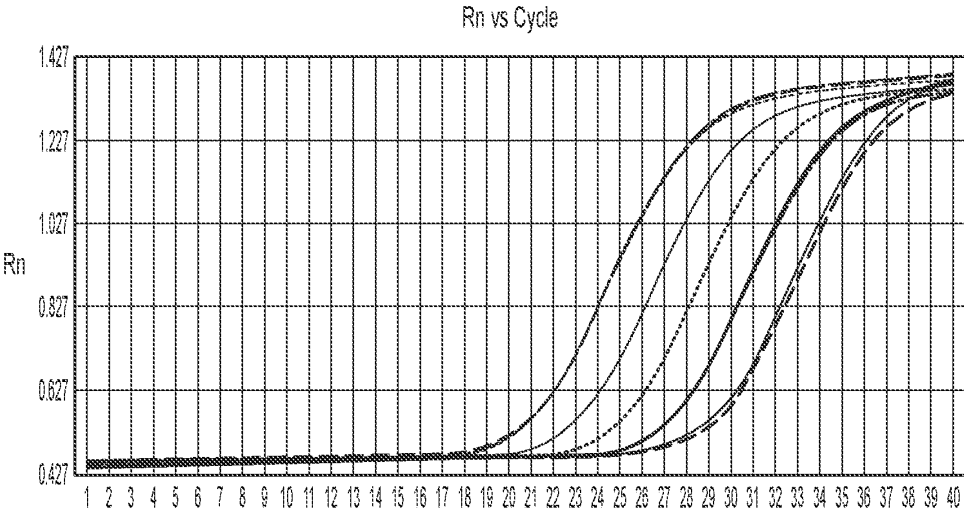
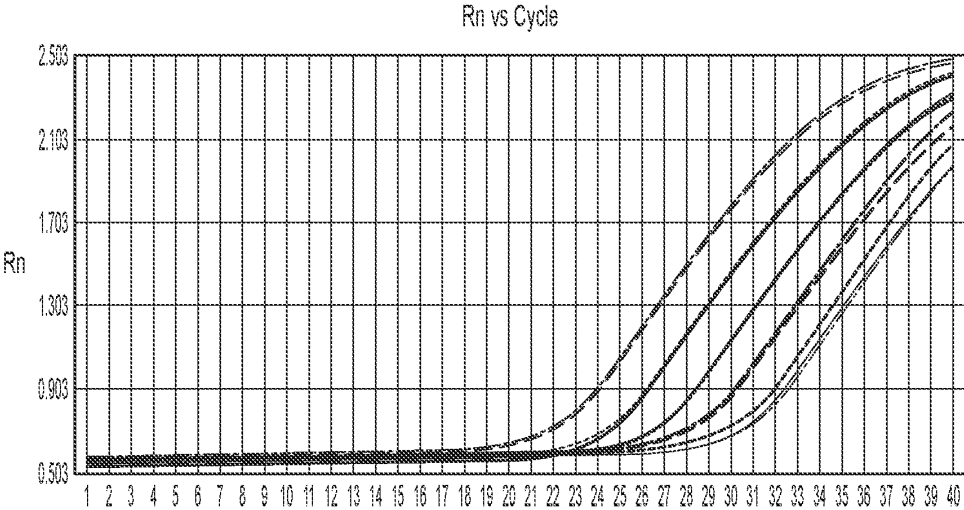


FIG. 4B

FIG. 4C

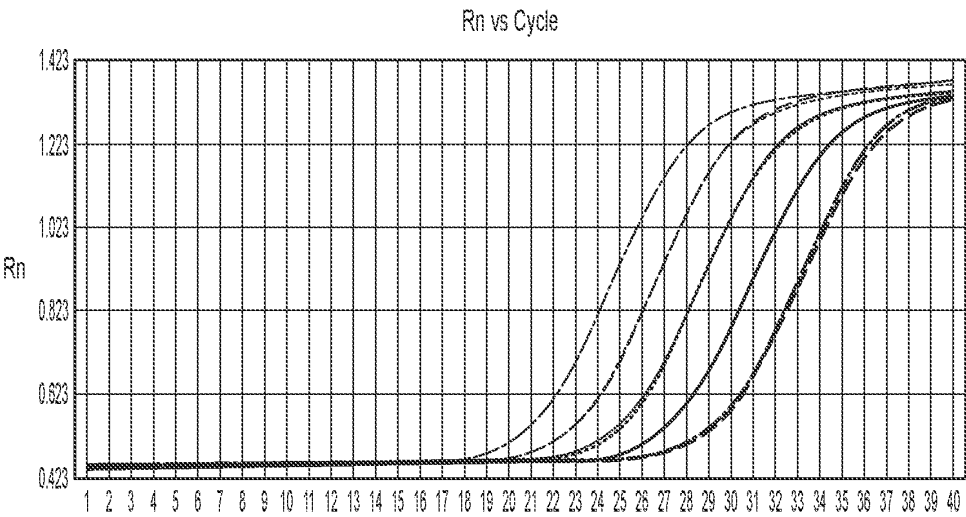
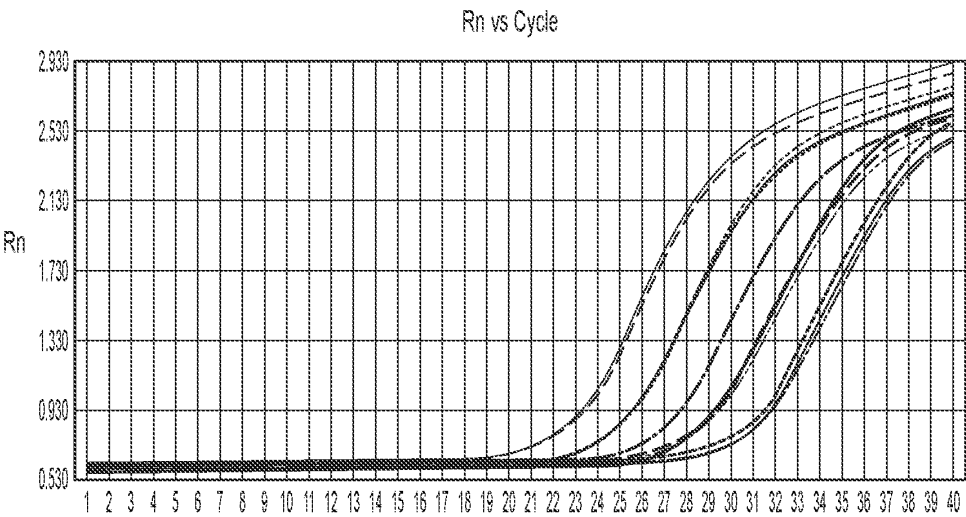


FIG. 4D

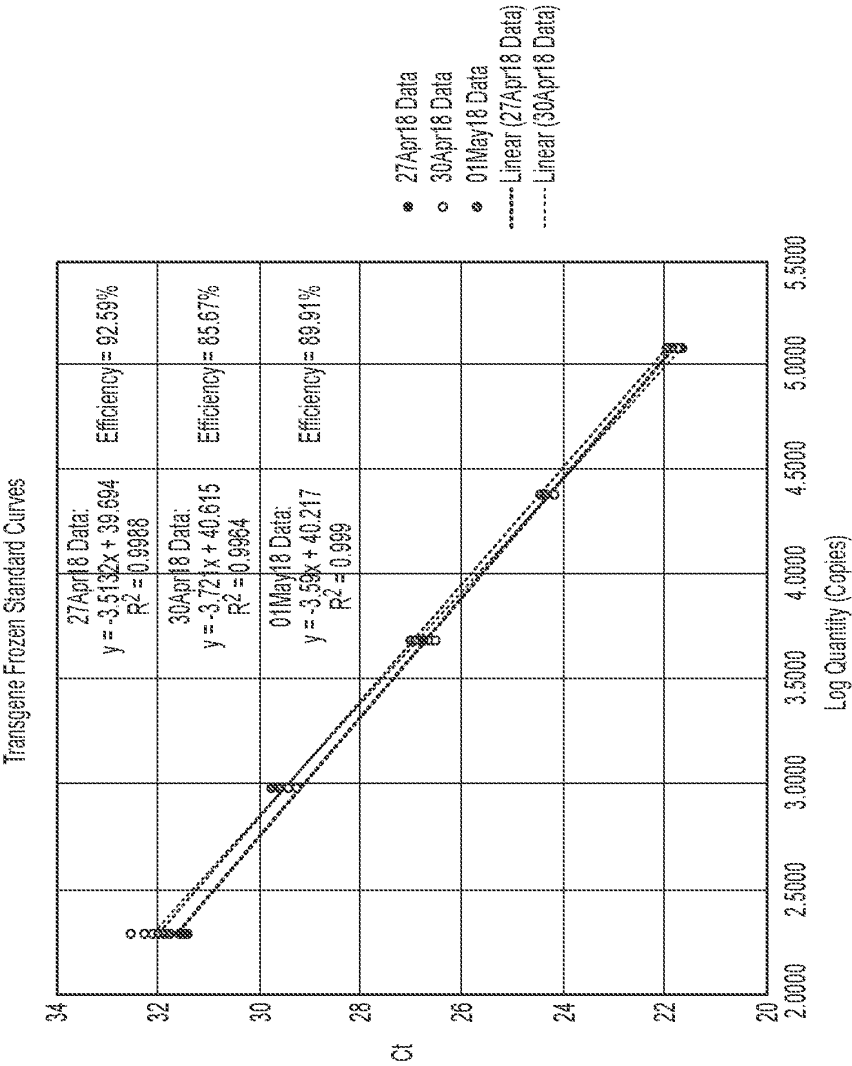


FIG. 5A

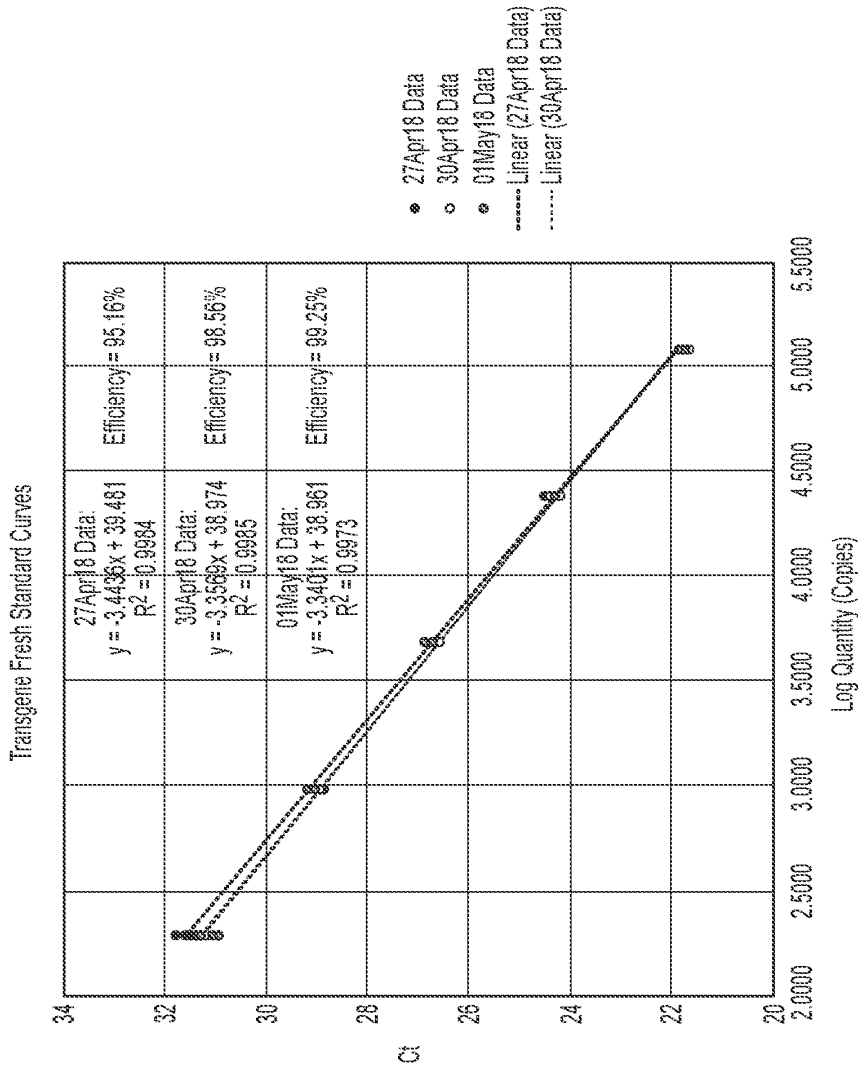


FIG. 5B

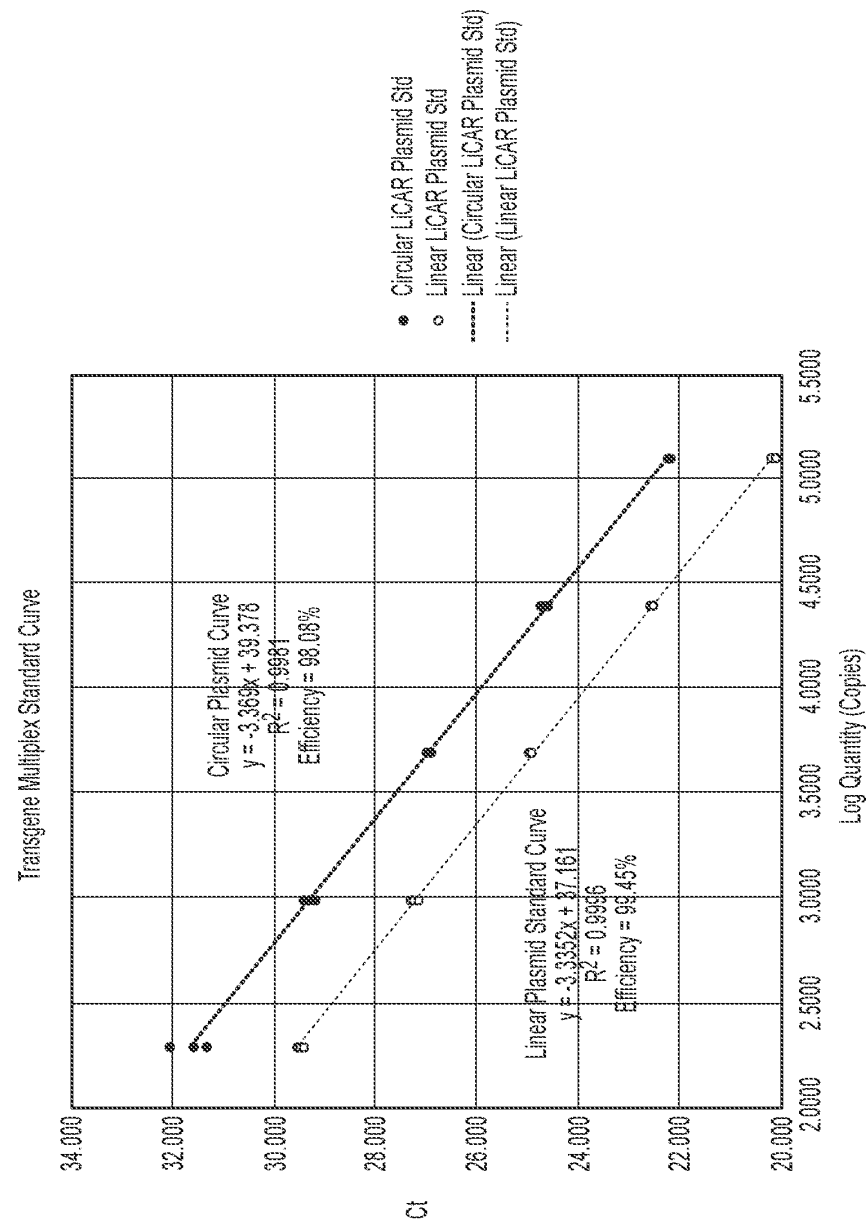


FIG. 6

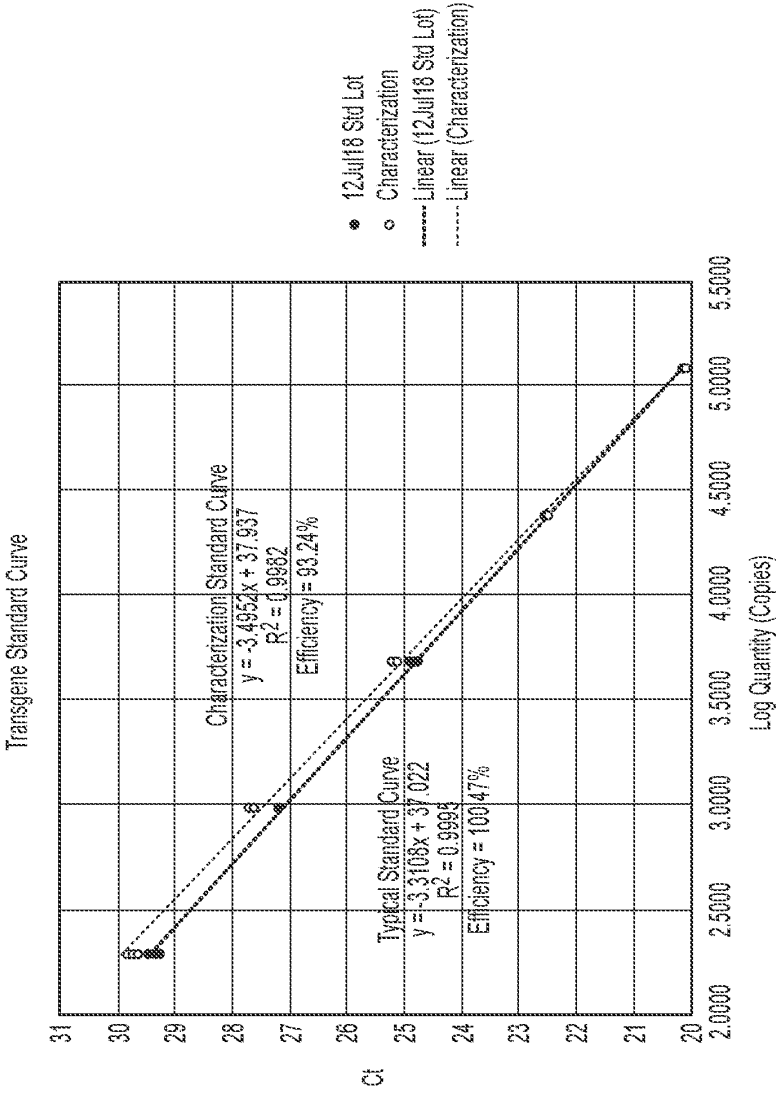


FIG. 7

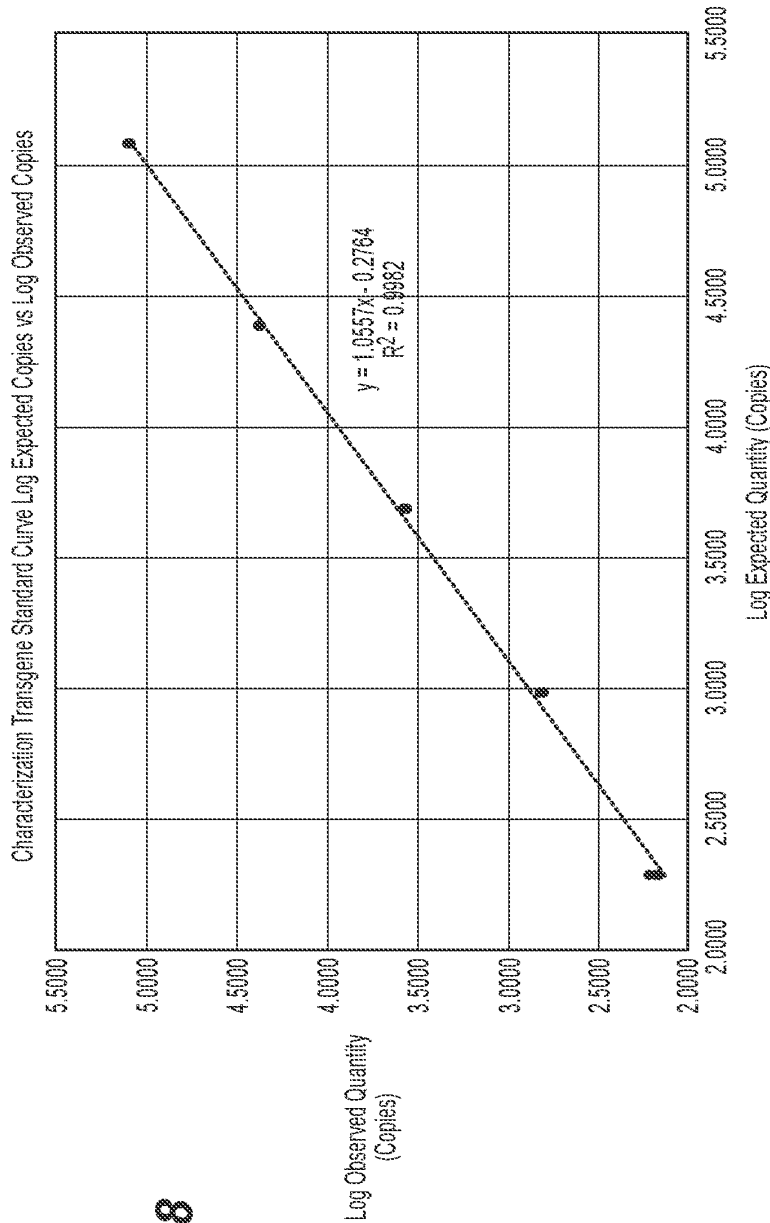


FIG. 8

FIG. 9

	1	2	3	4	5	6	7	8	9	10	11	12
A	<u>Standard #1</u>			<u>Standard #2</u>			<u>Standard #3</u>			<u>Standard #4</u>		
B	<u>Standard #5</u>			NTC			BCMA Mid Ctrl			BCMA Low Ctrl		
C	Sample 1			Sample 2			Sample 3			Sample 4		
D	Sample 5			Sample 6			Sample 7			Sample 8		
E	Sample 9			Sample 10			Sample 11			Sample 12		
F	Sample 13			Sample 14			Sample 15			Sample 16		
G	Sample 17			Sample 18			Sample 19			Sample 20		
H	Sample 21			Sample 22			Sample 23			Sample 24		

FIG. 10

	1	2	3	4	5	6	7	8	9	10	11	12
A	<u>Standard #1</u>			<u>Standard #2</u>			<u>Standard #3</u>			<u>Standard #4</u>		
B	<u>Standard #5</u>			NTC			BCMA Mid Ctrl (Qualified lot)			BCMA Low Ctrl (Qualified lot)		
C	BCMA Mid Ctrl (New Lot)			BCMA Low Ctrl (New Lot)								
D												
E												
F												
G												
H												

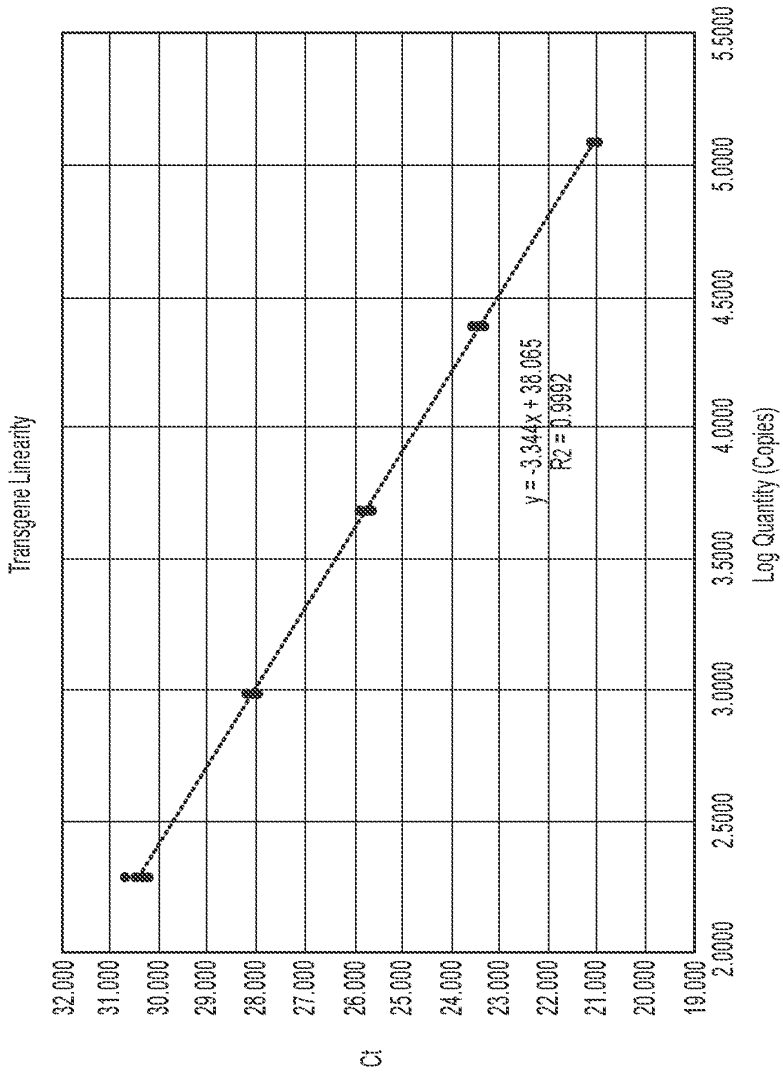


FIG. 11

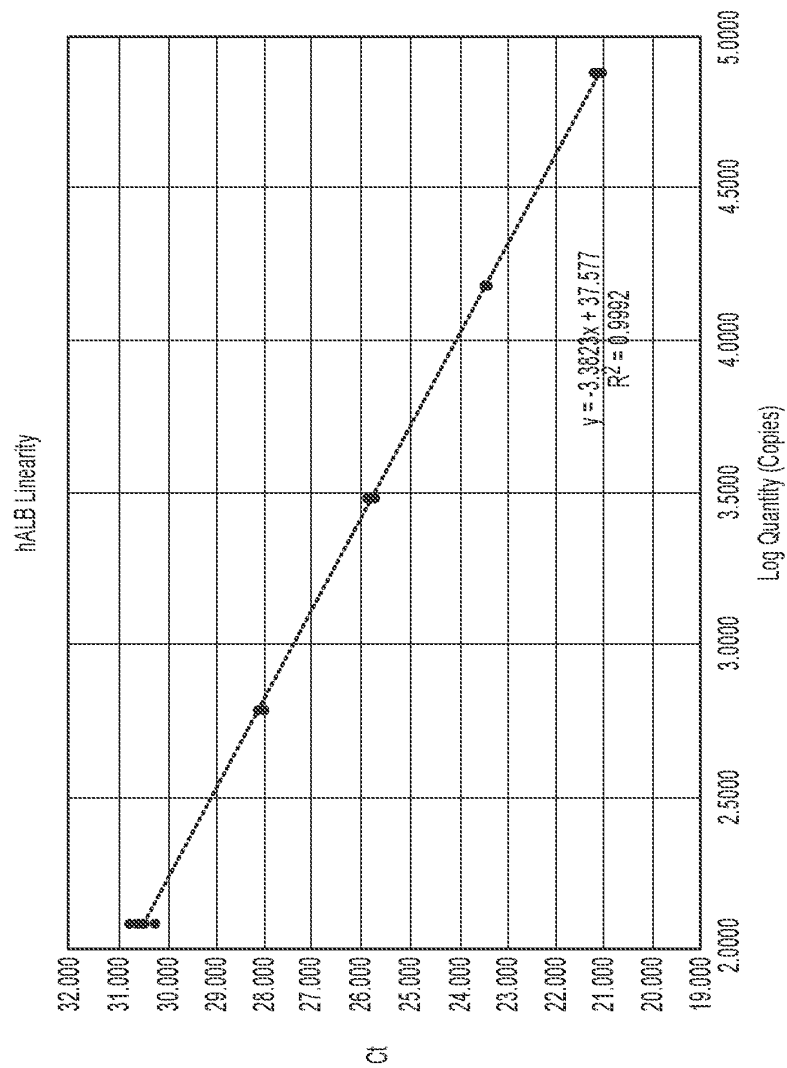


FIG. 12

FIG. 13

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11101 tttttttata  gctttggcat  gacctcaca  cttaggagga  tagcttaggc  tttctgtgg
11161 agttgtctaca  atttccctgc  tgccagaat  gtttctctcat  ccttcccttt  cccaggcttt
11221 aacaattttt  gaaatagtta  attagtgtga  tacattgtca  taaaataata  catgttcacg
11281 gcaaagctca  acattcctta  ctccctaggg  gtatttctga  aaatacgtct  agaaacattt
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11401 tataatatat  gtgtgtgact  atgtattgcc  tgtctatcta  actaatctaa  tctaacttag
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11521 cacaggtgct  ttatatattg  tgaaaagacc  agaagttcag  tataatggca  atatggtagg
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11701 gatttcactc  atacagagaa  gaaagagaat  attttaagaa  catatctctg  cccatctatt
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12961 agtactagaa  ttagtatctt  atggcaaatt  atagaacctc  tccctttaga  atattttcaa
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13261 ctaataataa  taatatgtac  aatcatagcc  atcatttatt  aaacttttat  tatatgcaag
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13441 caactgaaga atgagttaca tgacttggct caaatactgg tcattgaact ccagagcctg
13501 aatattctta accacttaca tgatgcaagc tcaccaataa aatagttoga atgtattgtg
13561 acagagcggc attgatattc atctattcat gtggctttga gtaggaagaa gaaaggatat
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13681 cacaattctt ttatgtttca gttcgatgaa tttaaacctc ttgtggaaga gcctcagaat
13741 ttaatcaaac aaaattgtga gctttttgag cagcttggag agtacaaatt ccagaatgag
13801 taagtaattt ttattgactg atttttttta tcaatttgta attatttaag acttaataata
13861 tgagccacct agcatagaac ttttaagaat gaaaatacat tgcataattc taatcactct
13921 ttgtcaagaa agataggaga ggagagataa aatagttgat ggggtggaga ggtctatat
13981 tgaatgtagt ctaaaaattg ttctcttaag attggaagta tgtaggctgg gagggtaaat
14041 accaaatctt ggtatatcag aactgagcat gtcccttgaa ggtaagaaa tagttaatgg
14101 gcaaatagag catggcaata tttgttagag cagcaagtag taggccttga atagatgtcg
14161 ctcaaaaagt aatatgtaag ctgaacacaa aaatgtaaca aatgaattta gatacatatt
14221 tgaatattaa attcaggttg tttgggagat gcacctagtc tttgatgggt aaacctttcc
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14581 ttttaattta acccttgaaac tatccctatt gagtccagata tatttctctc catctttctac
14641 ttgtatcttt caagtttagc atatgctgat acatatgaag ctctctccag gttttattga
14701 aagagaaat taataaattt attaatgtca ctgaattagg caactcactt tcccaagatt
14761 atgcaagtgg tacaggtgga actcaaagcc aagtttaact agttgttcag gagaatgttt
14821 tctaccctcc actaaccac tactctgcag atggagataa tatgatgaat ggaacatagc
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15601 aatgctgcac agaattcctg gtgaacaggg gacctgctt ttcagctctg gaagtgcag
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15961 ttattcagag taatattgtg gattaaagcc acaatagaat aacatgttag accatattca
16021 gtagaaaaag atgaacaatt aactgataaa tttgtgcaca tggcaaatga gttaatggga
16081 accataggag aatttatttc tagatgtaaa taattatttt aagtttgccc tatggtggcc
16141 ccacacatga gacaaacccc caagatgtga cttttgagaa tgagacttgg ataaaaaca
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16561 ctctttaata gcaataaaac tcaatatgac ataatatggc acttccaaaa tctgaataat
16621 atataattgc aatgacatac ttcttttcag agatttactg aaaagaaatt tgttgacact
16681 acataacgtg atgagtgggt tatactgatt gtttcagttg gtcttccac caactccatg
16741 aaagtggatt ttattatcct catcatgcag atgagaatat tgagacttat agcggtagc

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16801 ctggcccaag tactcagagt tgcctgggctc caagatttat aatctttaat gatgggacta
16861 ccatcctttac tctctccatt tttctatacg tgagtaaatgt tttttctggt tttttttttt
16921 ctttttccat tcaaactcag tgcacttggt gagctcgtga aacacaagcc caaggcaaca
16981 aaagagcaac tgaaagctgt tatggatgat ttccgagctt ttgtagagaa gtgctgcaag
17041 gctgacgata aggagacctg ctttgccgag gaggtactac agttctcttc attttaatat
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17401 ggtgggttgt gatttagttg attttatagg ctagtgggag aatttacatt caaatgtcta
17461 aatcacttaa aatttccctt tatggcctga cagtaacttt tttttattca tttggggaca
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17821 accatttcca agagccatat agaccagcac cgaccactat tctaaactat ttatgtatgt
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17941 ttttgtagat gagaaaatga agataaacat caaagcatag attaagtaat tttccaaagg
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18661 ttcaattaat aaaaaatgga aagaatctaa tagagtggta cagcactggt atttttcaaa
18721 gatgtgttgc tatcctgaaa attctgtagg ttctgtggaa gttccagtgt tctctcttat
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18841 ttctaagtta tggattataa acattcaaaa taatattttg acattatgat aattctgaat
18901 aaaaagaaca aaaccatggt ataggtaagg aatataaaac atggctttta ccttagaaaa
18961 aacaattcta aaattcatat ggaatcaaaa aagagcctgc ag

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FIG. 14

Sequence - Transgene FWD		25 nmole DNA Oligo, 22 bases
5'- CCA GTA CAA ACT ACT CAA GAG G -3'		
Properties	Amount Of Oligo	Shipped To
Tm (50mM NaCl)*: 52.5°C	5.7= 25.6 =0.17	REBECCA GEORGE
GC Content: 45.5%	OD260 nmol	JANSSEN RESEARCH & DEVELOPMENT LL
Molecular Weight: 6,721.4	For 100 µM: add 256 µL	200 GREAT VALLEY PKWY
nmol/OD260: 4.5		MALVERN, PA 19355
ug/OD260: 30.1		USA
Ext. Coefficient: 223,000 L/(mole cm)		6106516441
Secondary Structure Calculations		Customer No. 370226 PO No. 993913510
Lowest folding free energy (kcal/mole): -0.52 at 25°C		
Strongest folding Tm: 33.4°C		
Oligo Base Types	Quantity	Disclaimer
DNA Bases	22	See on reverse page notes (i) (ii) & (iii) for usage, label
Modifications and Services	Quantity	license, and product warranties
Standard Desalting	1	