

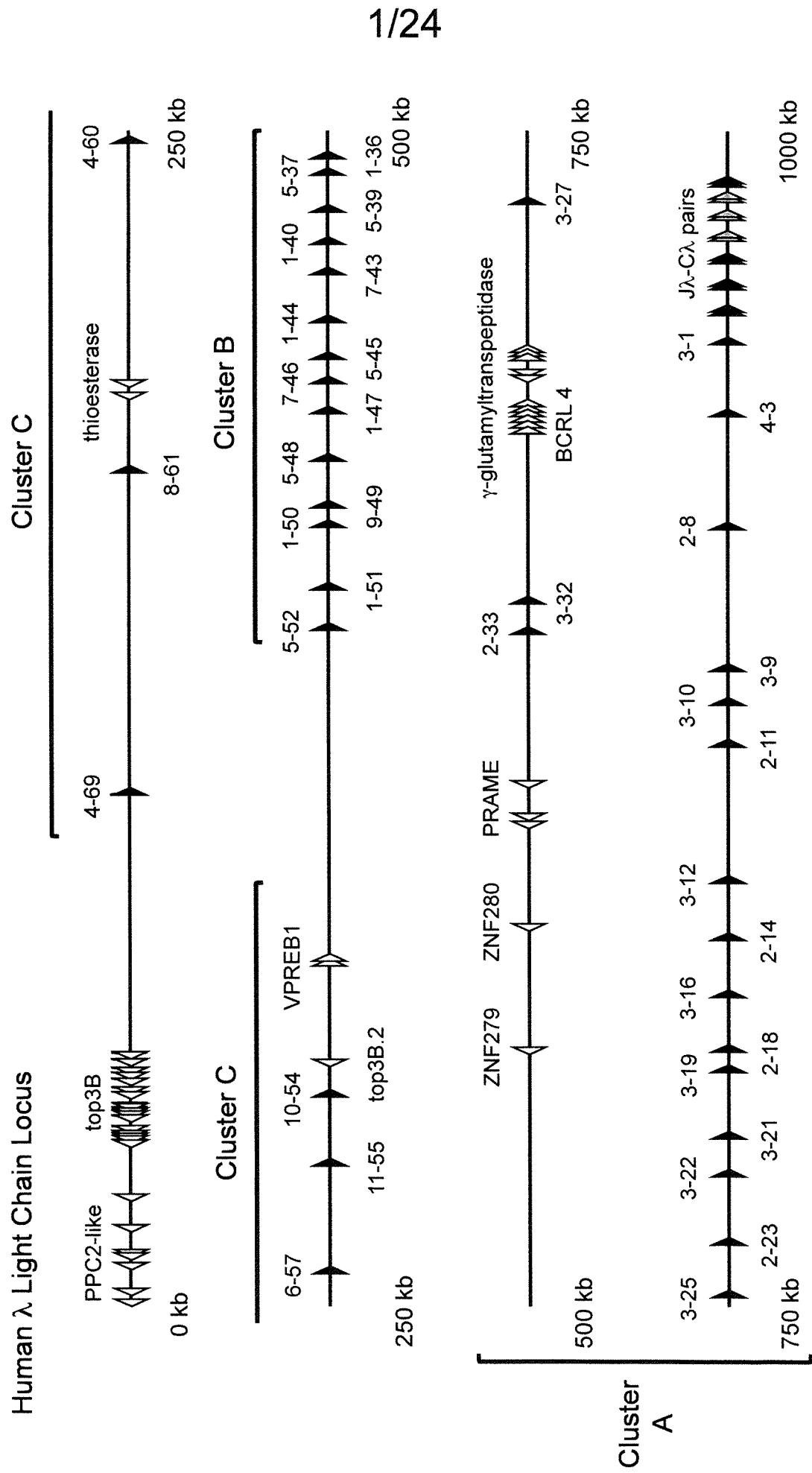
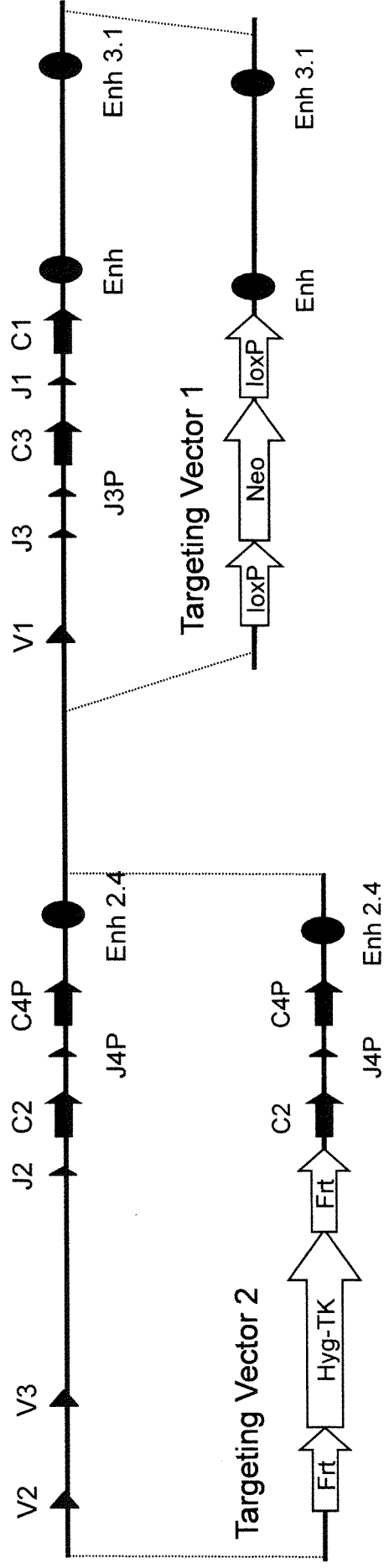


FIG. 1

Mouse λ Light Chain Locus



+ Cre

Inactivated Mouse λ Light Chain Locus

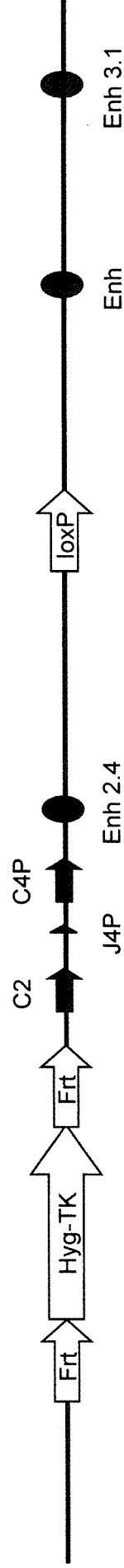


FIG. 2

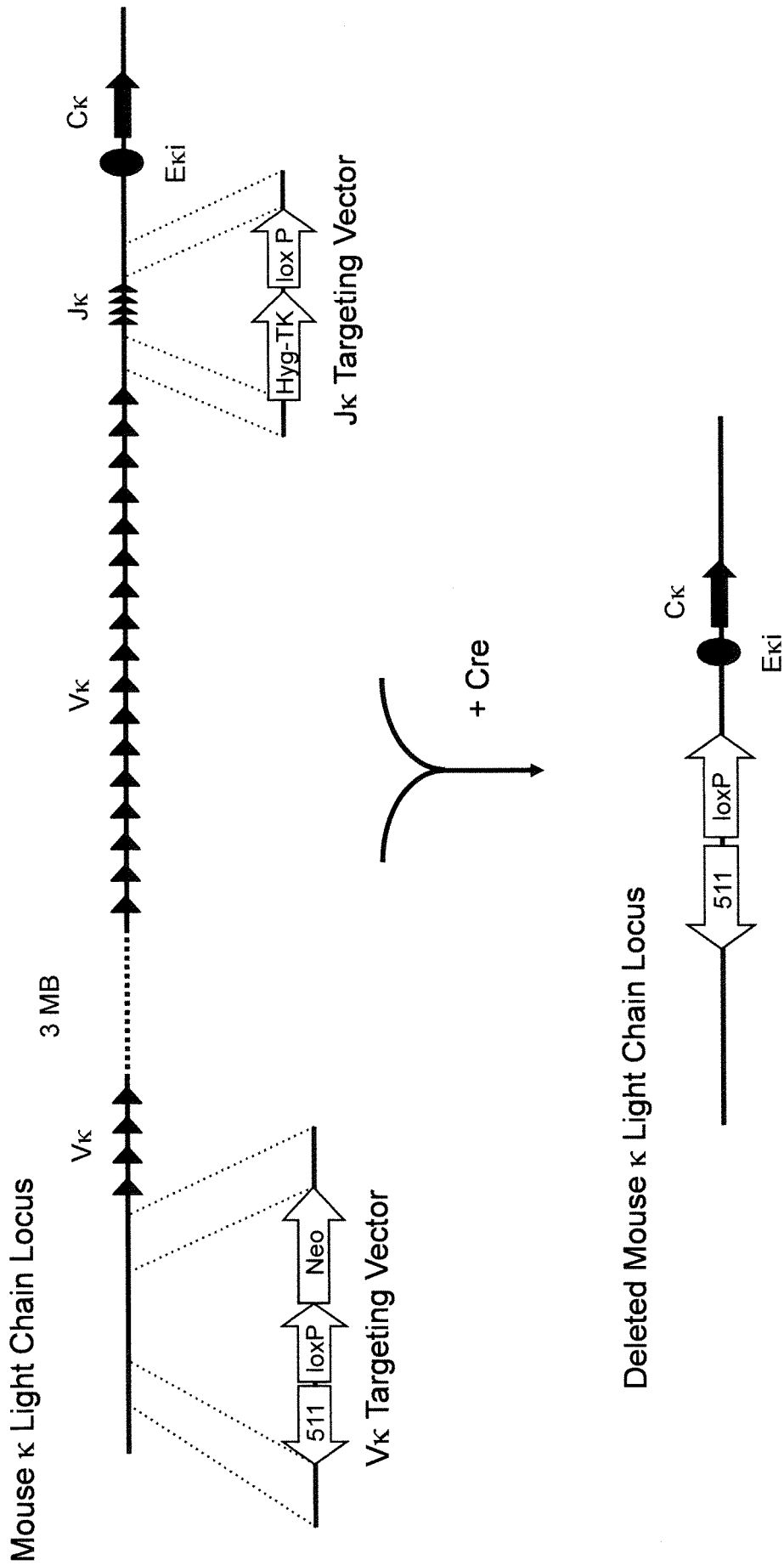


FIG. 3

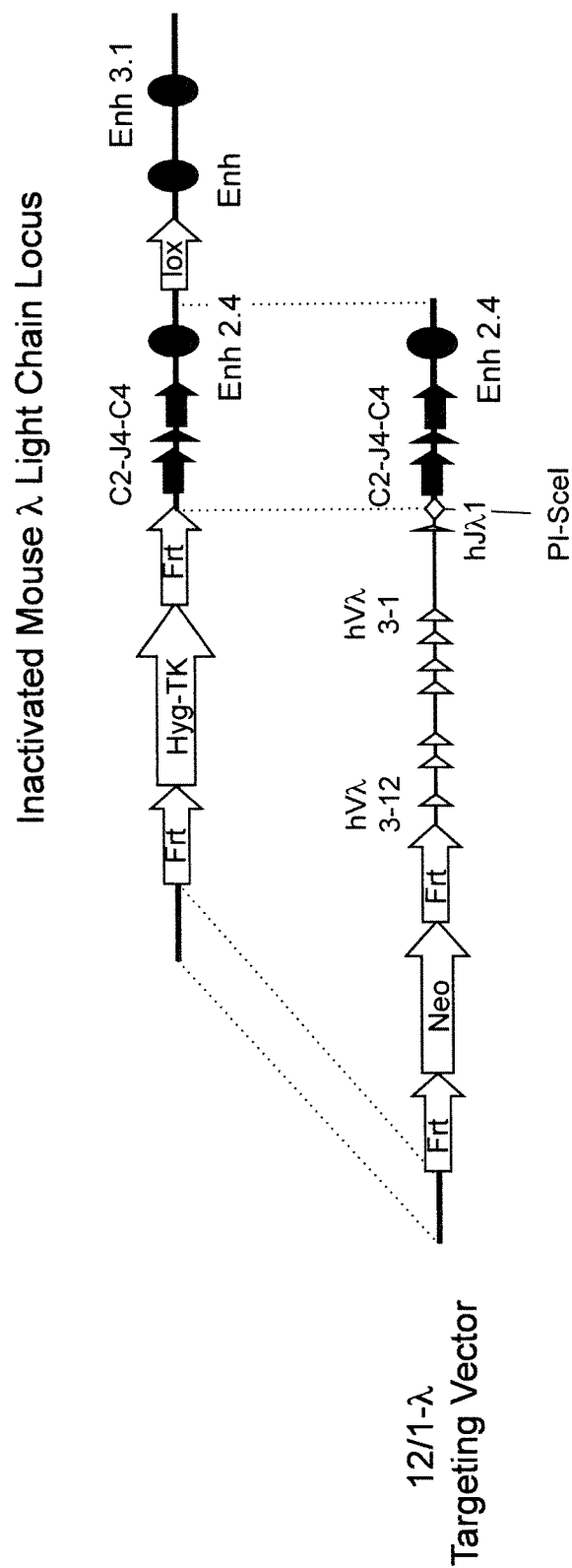


FIG. 4A

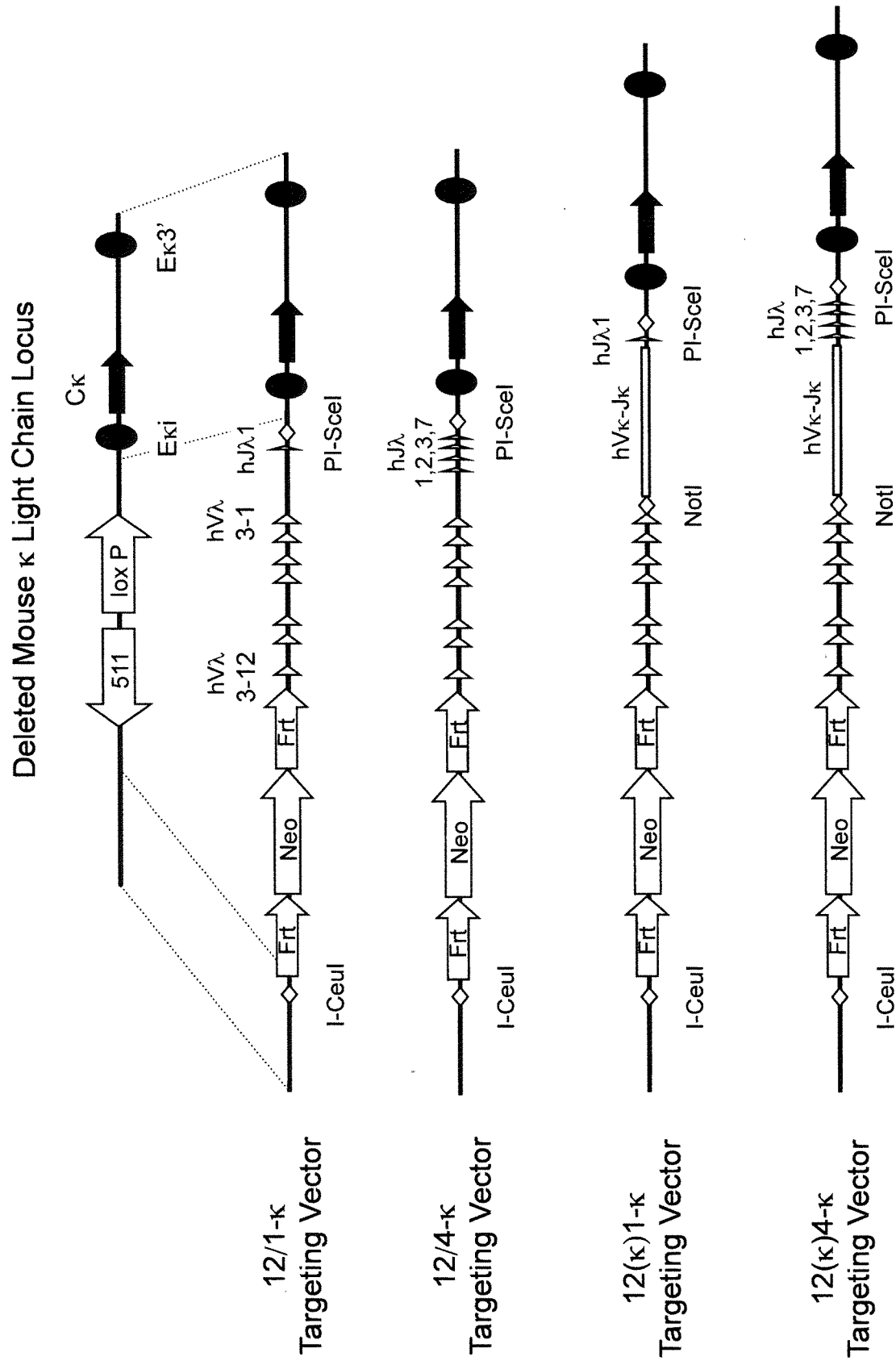


FIG. 4B

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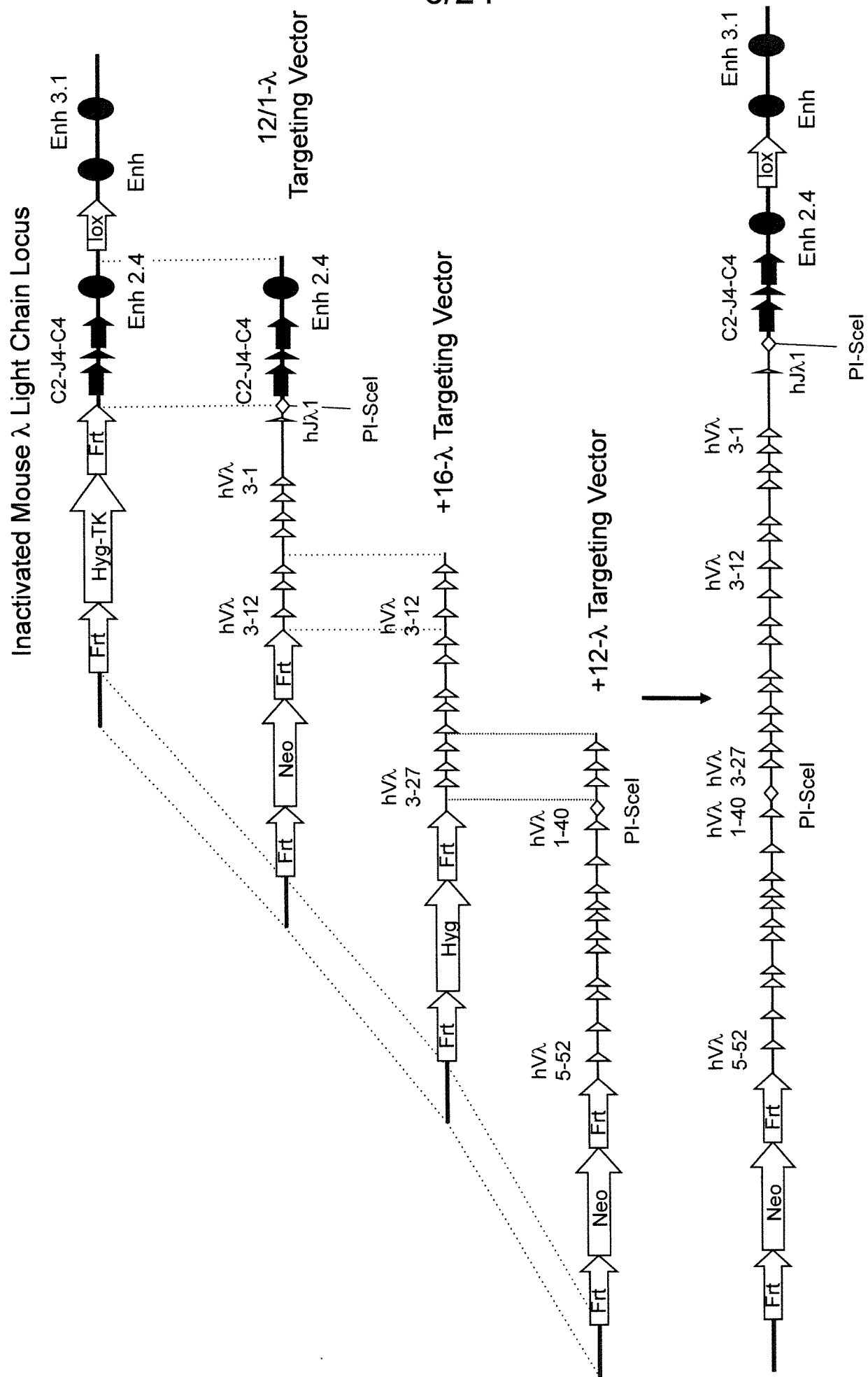


FIG. 5A

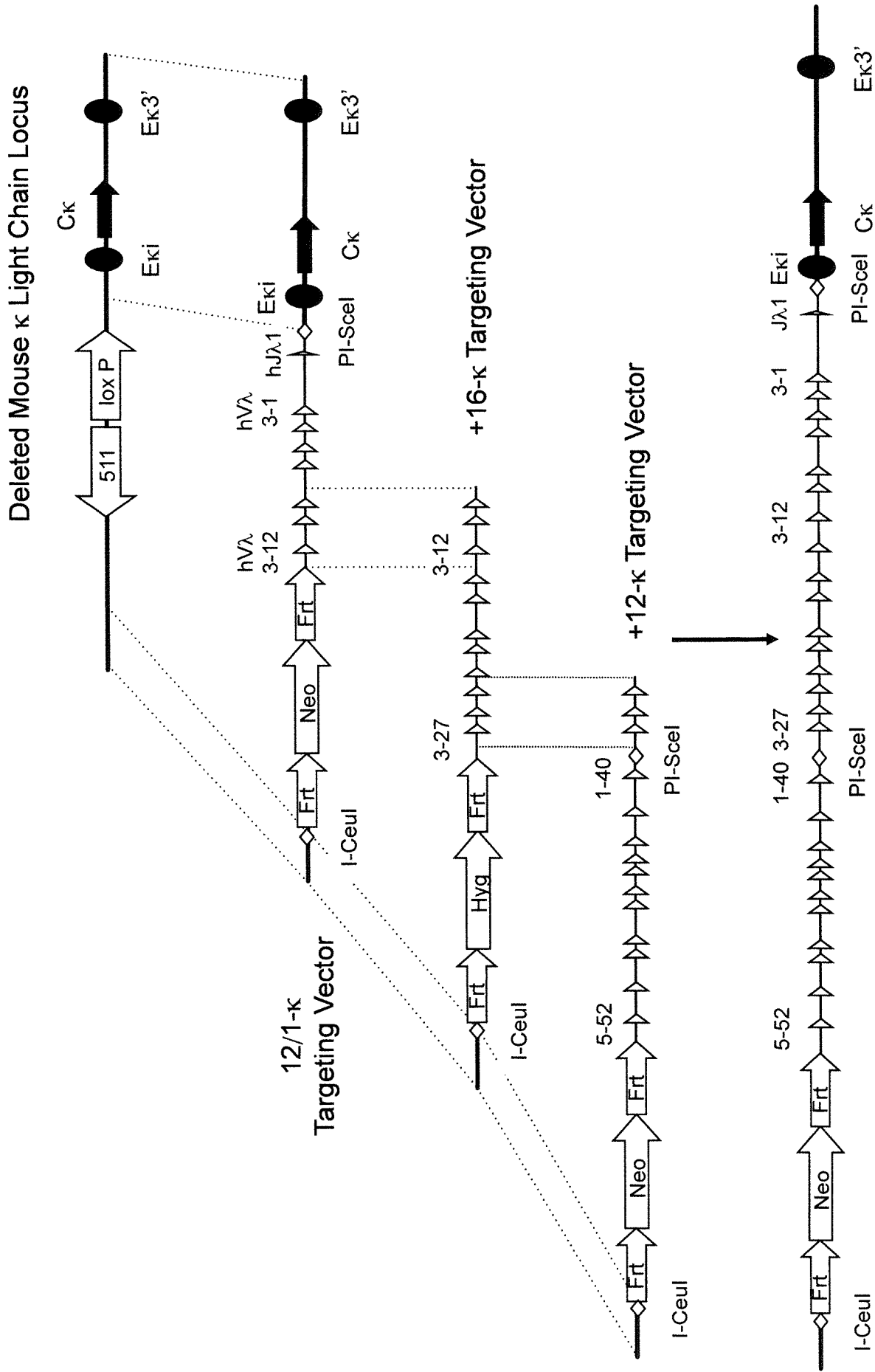


FIG. 5B

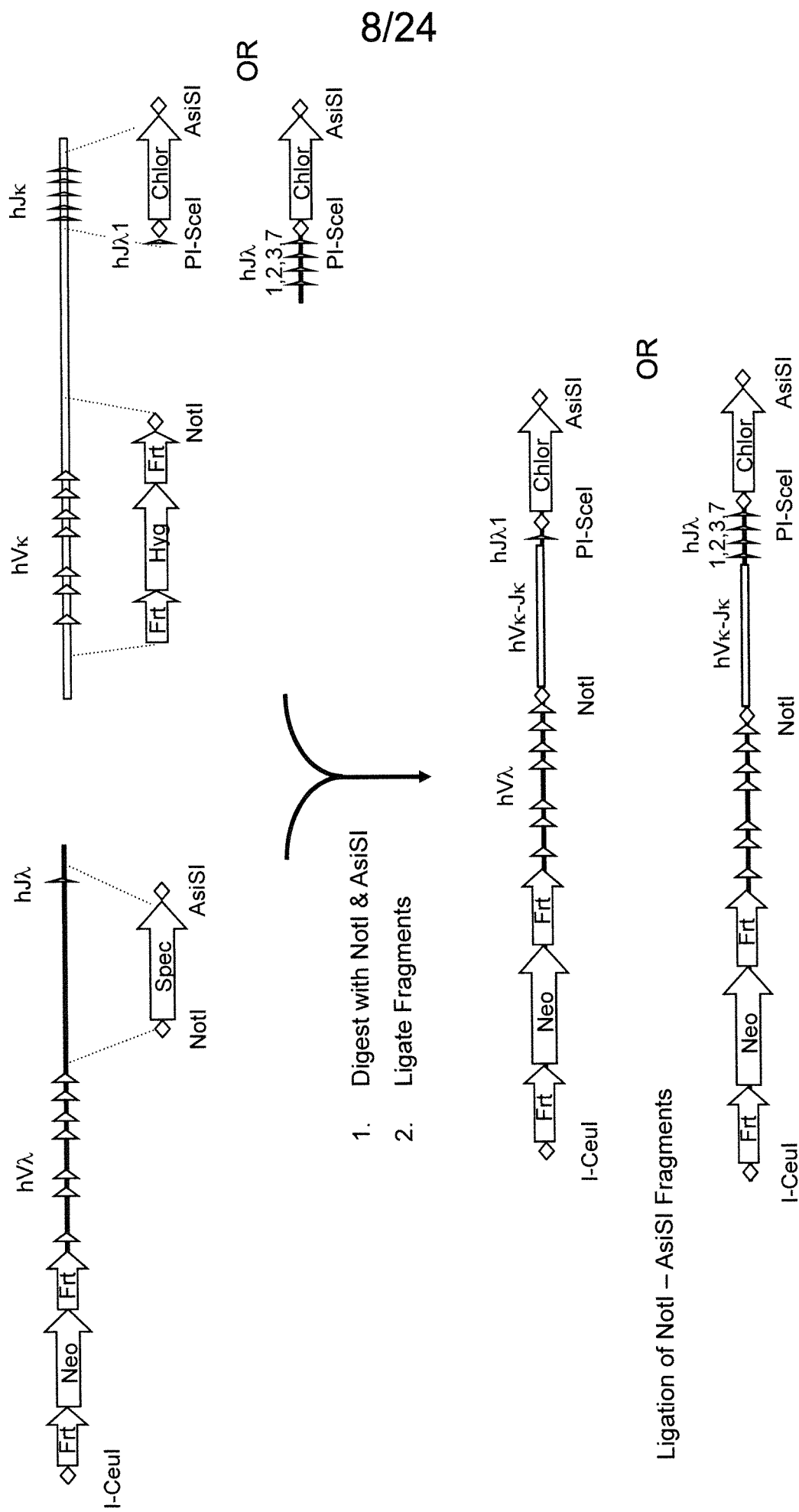


FIG. 6

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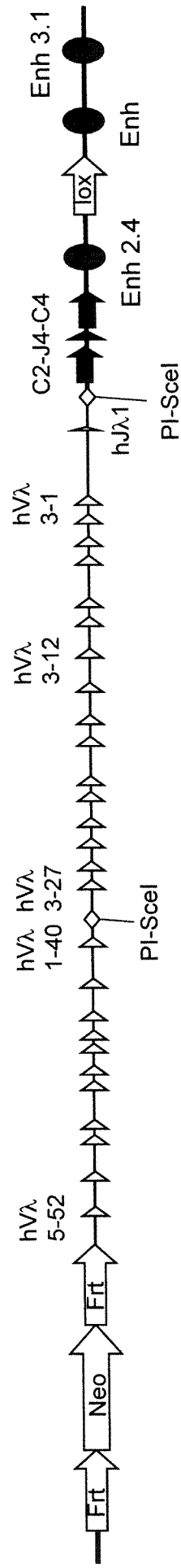


FIG. 7A

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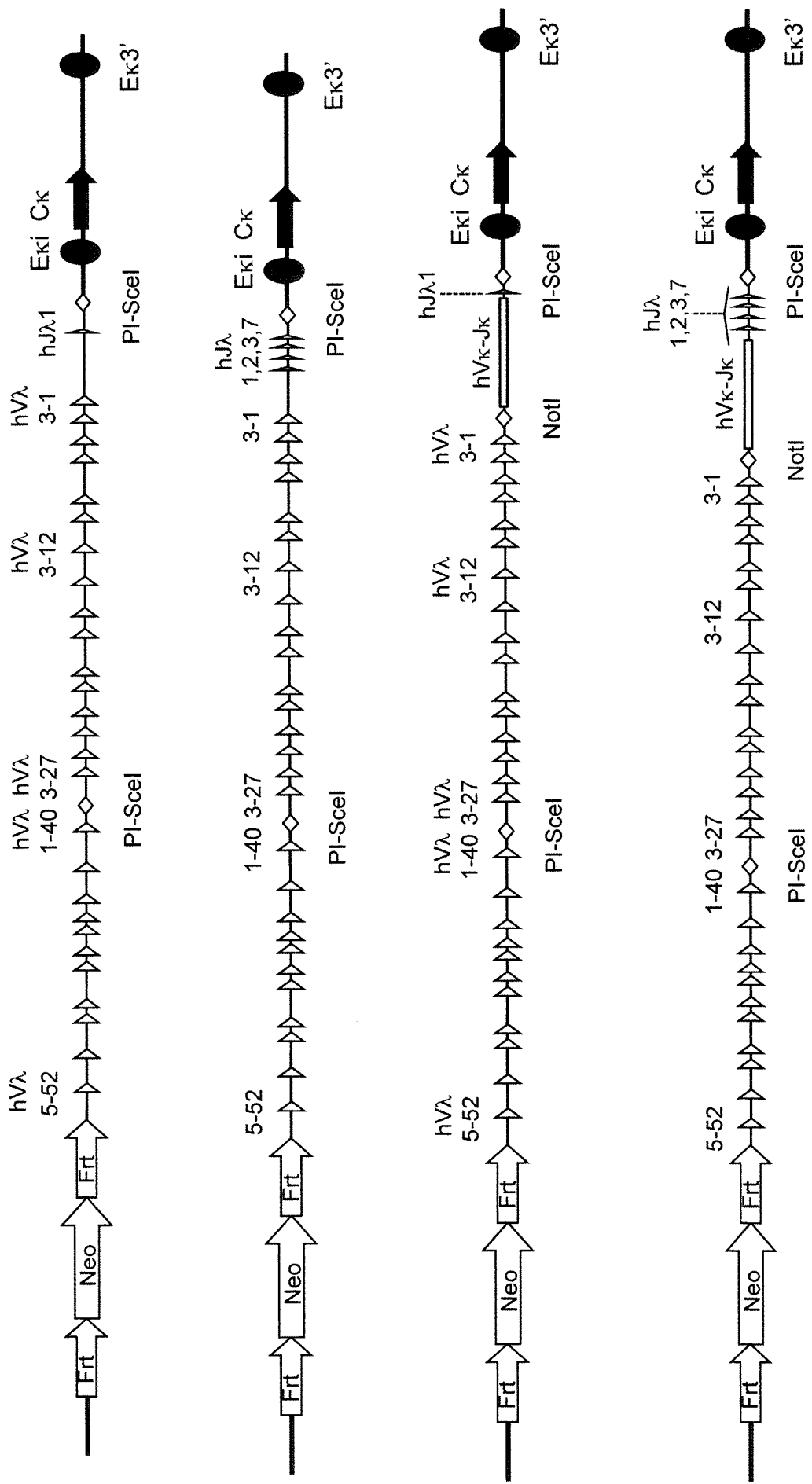


FIG. 7B

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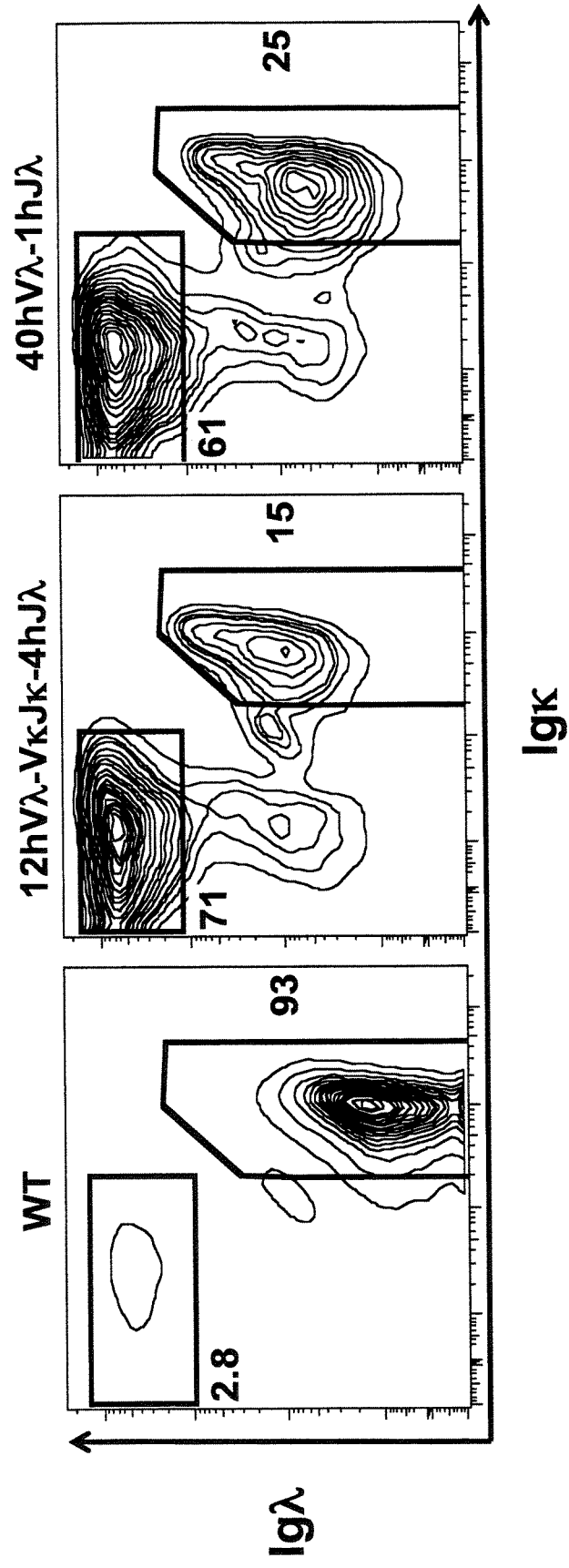


FIG. 8A

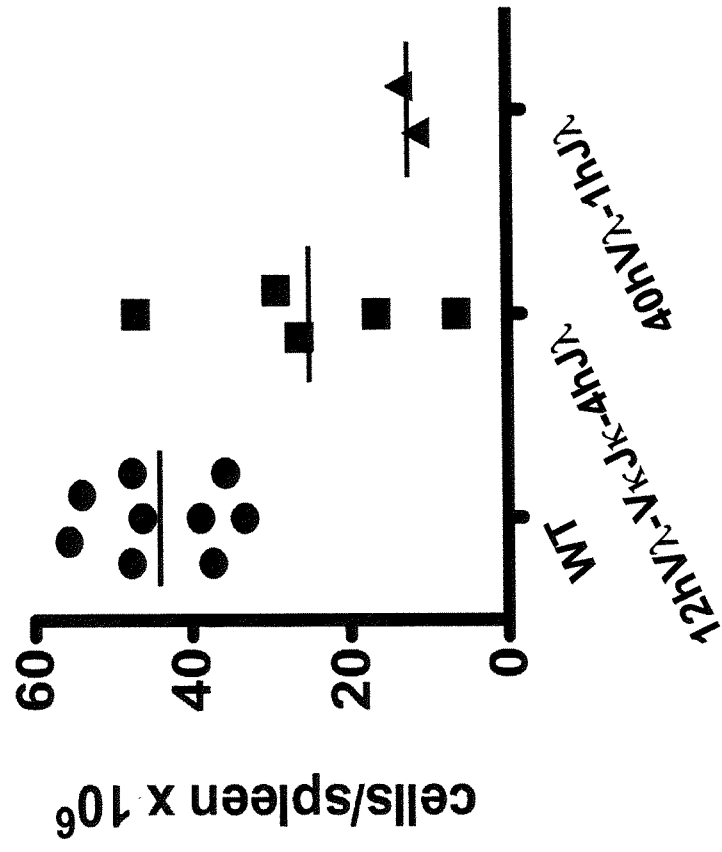


FIG. 8B

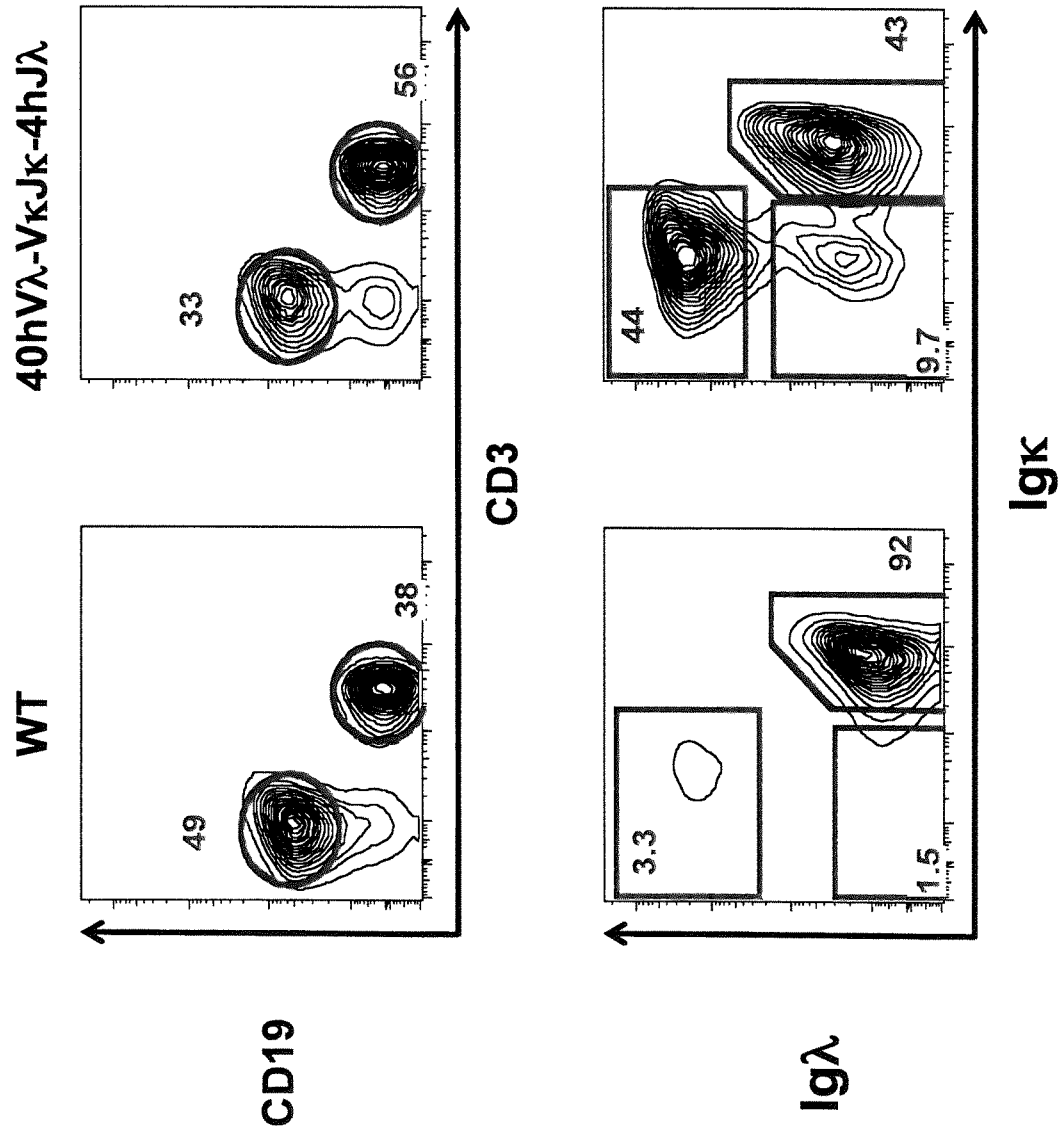


FIG. 9A

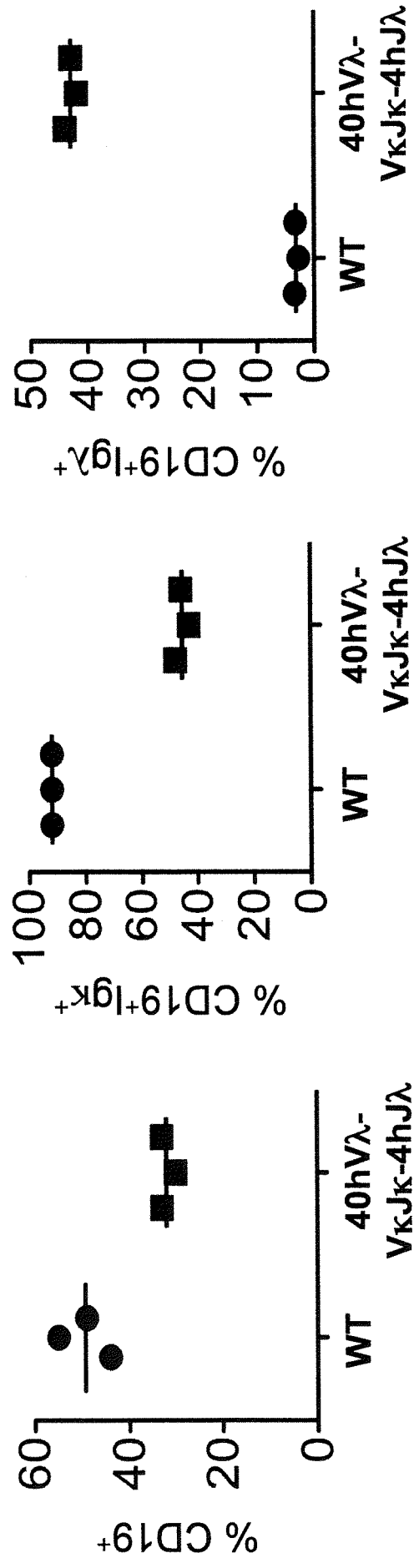


FIG. 9B

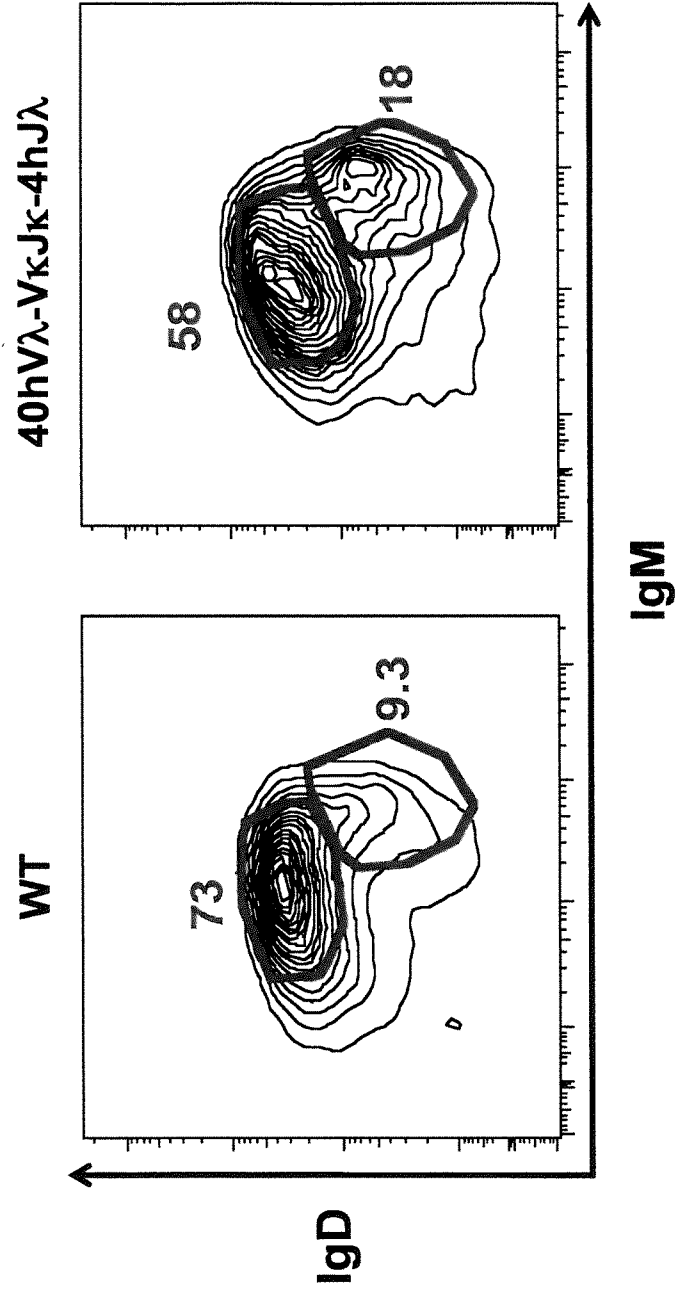


FIG. 9C

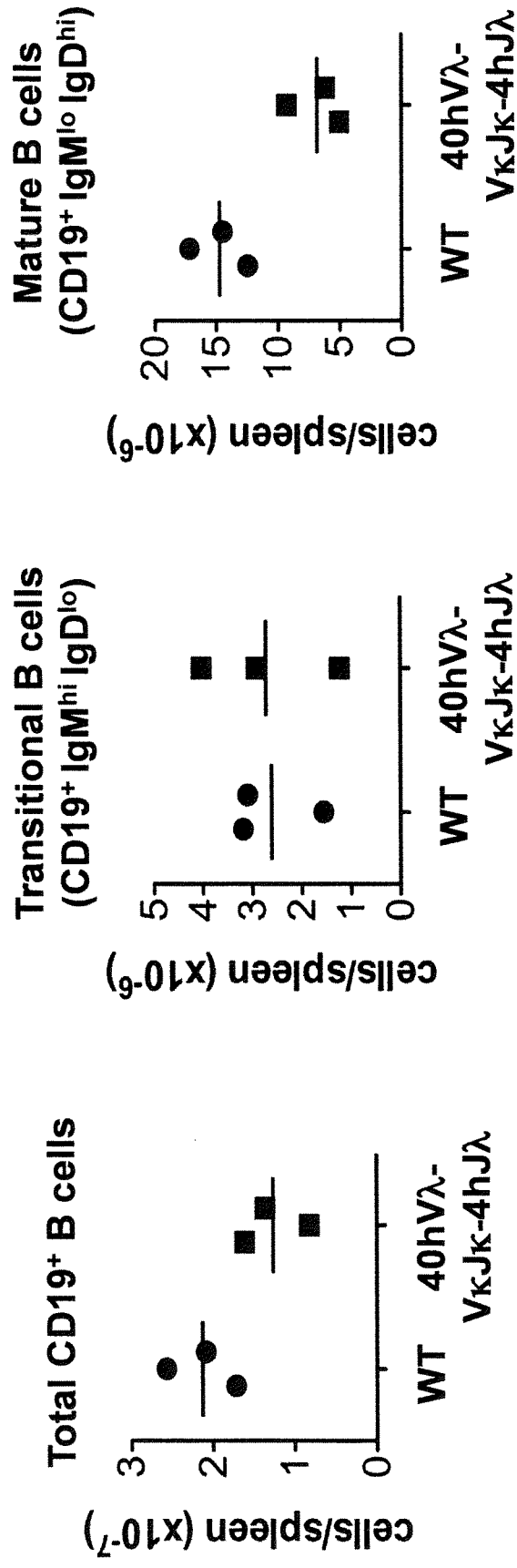


FIG. 9D

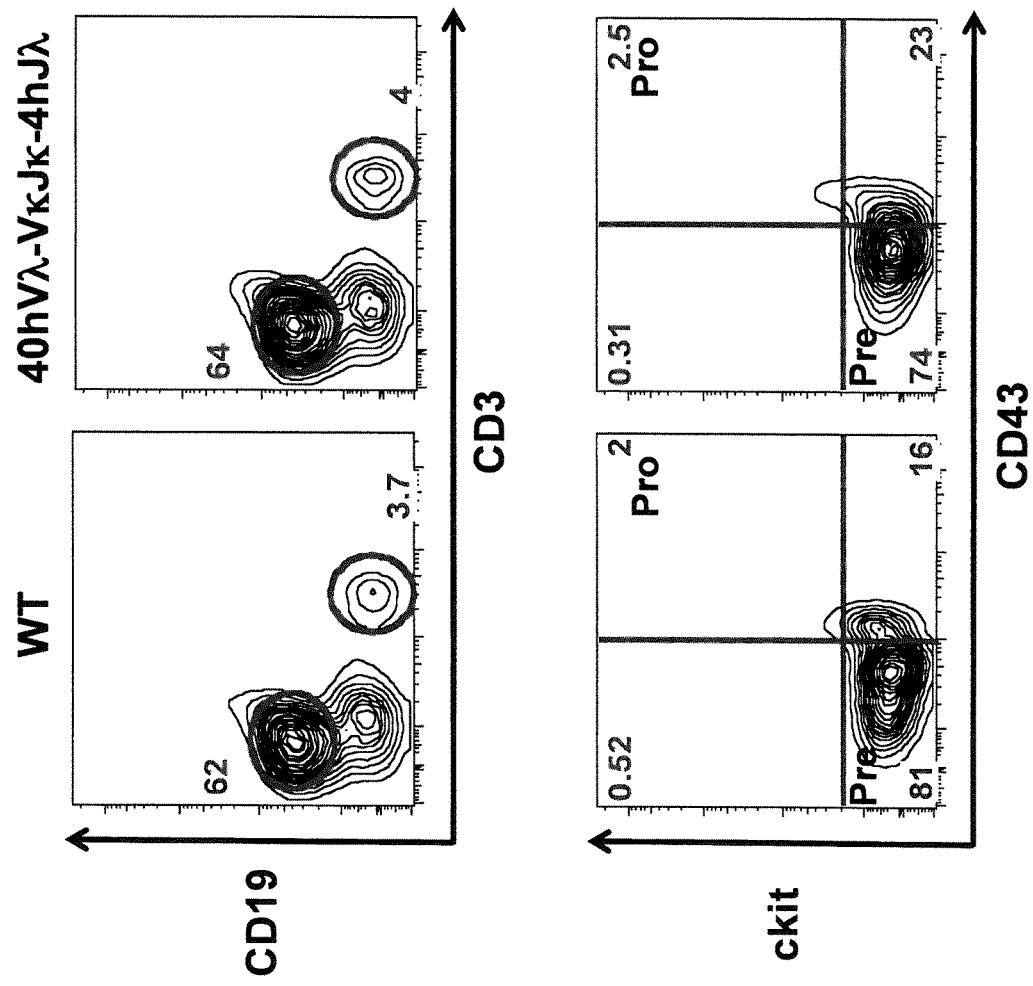


FIG. 10A

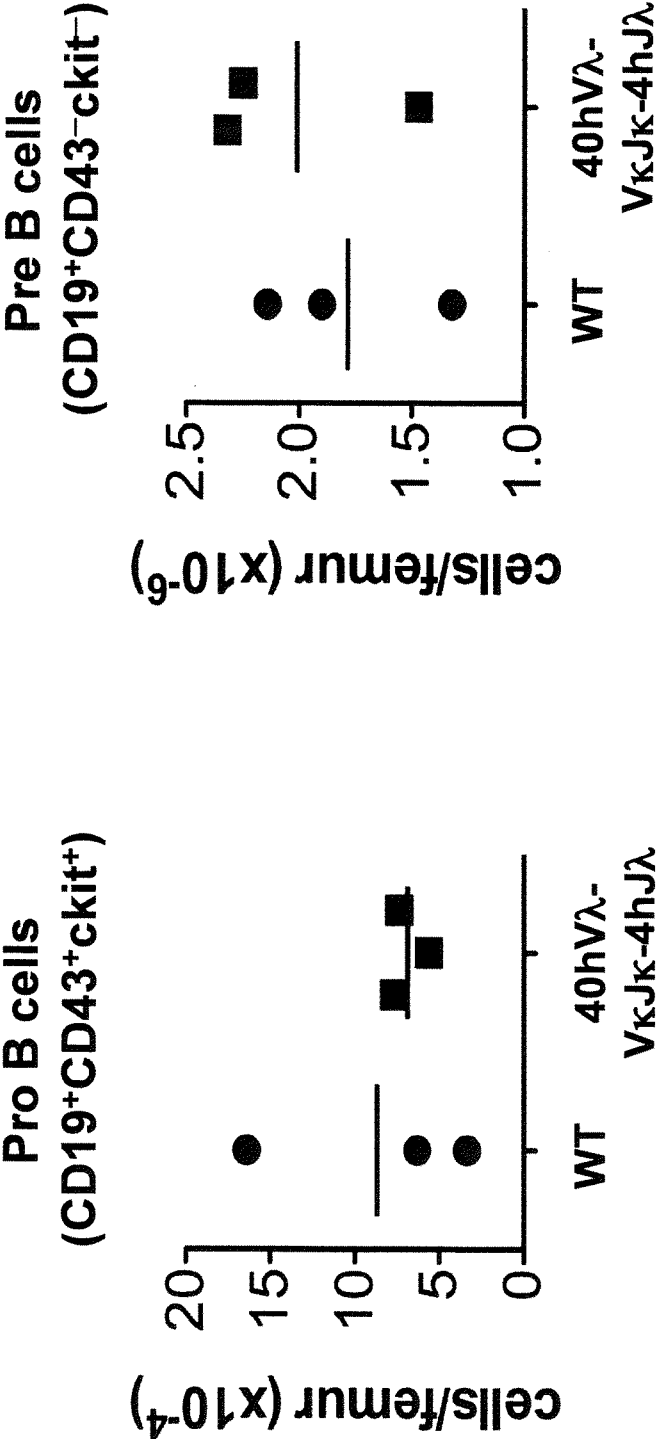


FIG. 10B

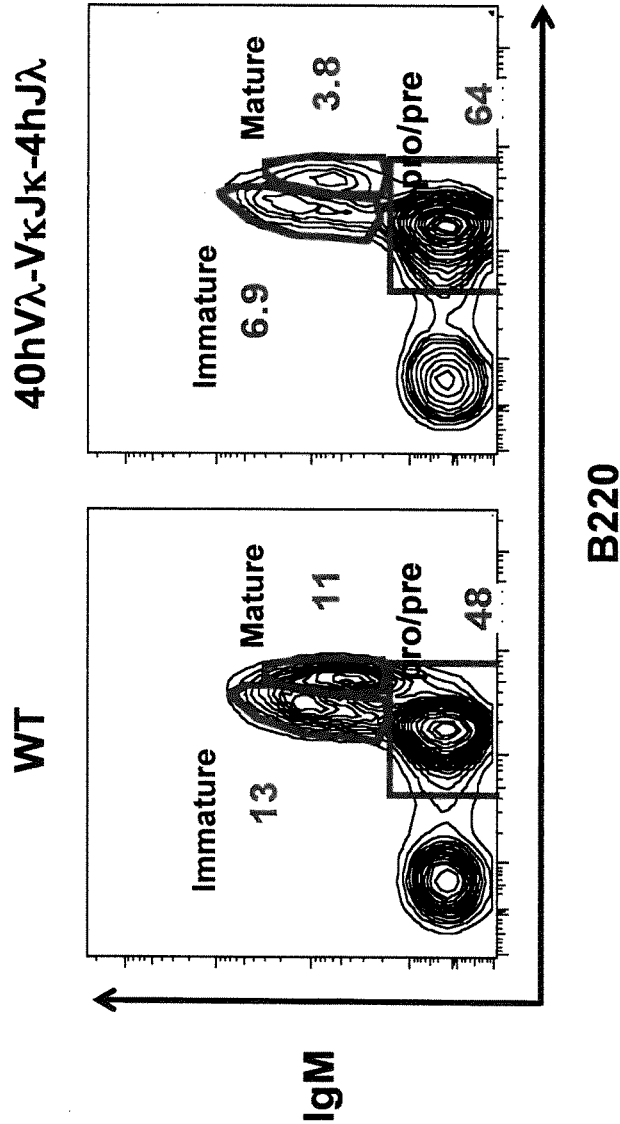


FIG. 10C

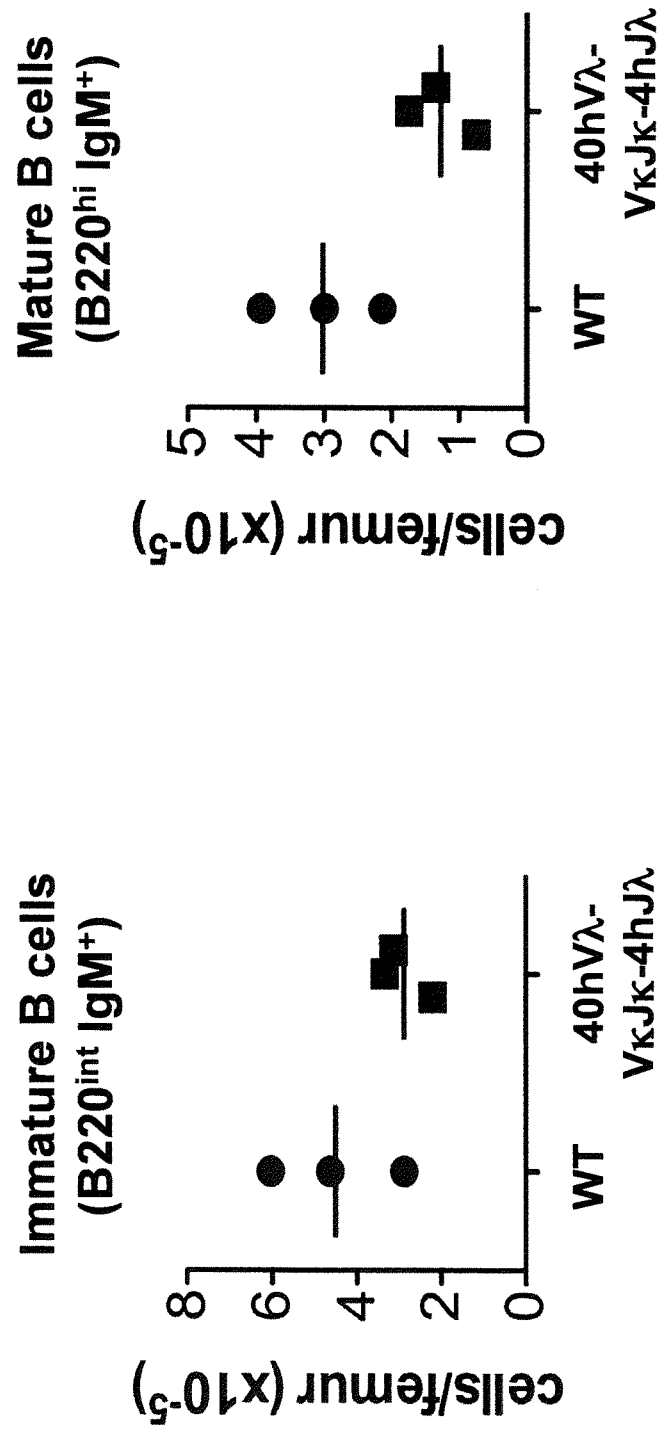


FIG. 10D

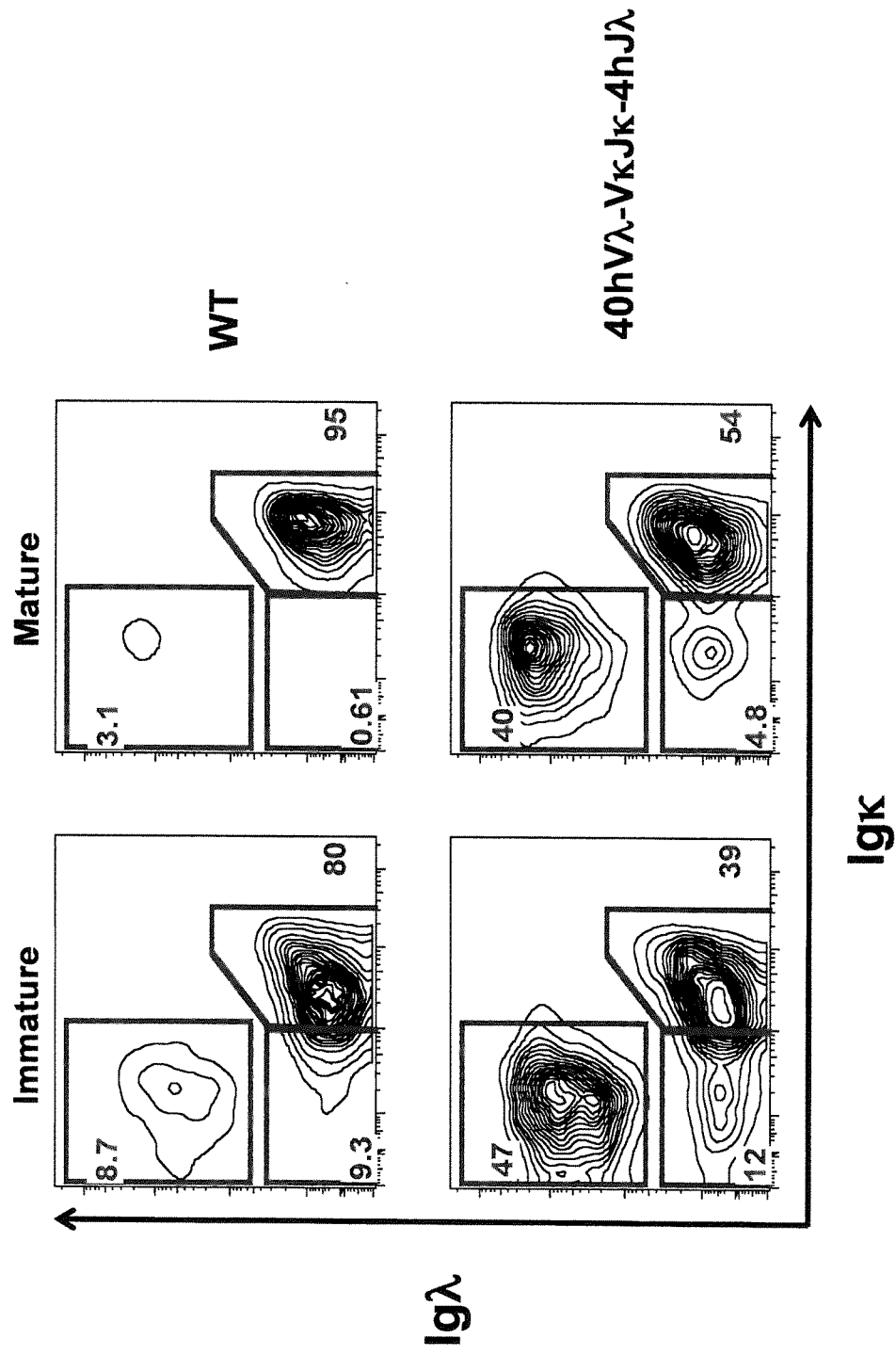


FIG. 10E

3' Human Vλ	Human Jλ1	5' Mouse Cκ
A6	GCAACAATT	GGGTGATGCTGCACCAACTGTATCCATCTTC
B6	GCAACAATT	GGGTGATGCTGCACCAACTGTATCCATCTTC
F6	GCAACAATT	GGGTGATGCTGCACCAACTGTATCCATCTTC
B7	GCAACAATT	GGGTGATGCTGCACCAACTGTATCCATCTTC
E7	GCAACAAT	GGGTGATGCTGCACCAACTGTATCCATCTTC
F7	GCAACAATT	GGGTGATGCTGCACCAACTGTATCCATCTTC
C8	GCAACAATT	GGGTGATGCTGCACCAACTGTATCCATCTTC
E12	CAAGTCGGTT	GGGTGATGCTGCACCAACTGTATCCATCTTC
1-4	TGAGTGCT	GGGTGATGCTGCACCAACTGTATCCATCTTC
1-20	TGAGTGCg	GGGTGATGCTGCACCAACTGTATCCATCTTC
3B43	CTGAATGGT	GGGTGATGCTGCACCAACTGTATCCATCTTC
5-8	AGTGGTAAT	GGGTGATGCTGCACCAACTGTATCCATCTTC
5-19	AGTGGTGCT	GGGTGATGCTGCACCAACTGTATCCATCTTC
1010	AGCAGCACT	GGGTGATGCTGCACCAACTGTATCCATCTTC
11A1	AGCAGCGCT	GGGTGATGCTGCACCAACTGTATCCATCTTC
7A8	GGTGGTGCT	GGGTGATGCTGCACCAACTGTATCC
3A3	AGTAGCACT	GGGTGATGCTGCACCAACTGTATCCATC
2-7	AGCAGCACT	GGGTGATGCTGCACCA
FWR4	F G T G T K V T V L G A D A A P T V S I F	

FIG. 11

	3' Human Vλ	Human Jλ	5' Mouse Cκ
5-2	CAGCCTGAGTGGTTC	TGTGTTTCGGAGGAGGCACCCGGCTGACCGCCCTCG	GGGCTGATGCTGCACCAACTGTATCCATC
2-5	CAGCCTGAGTGGTT	ATGTC'TTCGGAAC'TGGGACCAAGGTCACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
1-3	CAGCCTGAATGGT	GCTGTGTTTCGGAGGAGGCACCCAGCTGACCGCCCTCG	GGGCTGATGCTGCACCAACTGTATCCATC
4B-1	CAGCCTGAGTGGTC	GGGTGTTTCGGCGGAGGACCAAGCTGACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
3B-5	CAGCAGCACTGC	TGTGTTTCGGAGGAGGCACCCAGCTGACCGCCCTCG	GGGCTGATGCTGCACCAACTGTATCCATC
7A-1	CAGCAGTGGTAAT	GCTGTGTTTCGGAGGAGGCACCCAGCTGACCGCCCTCG	GGGCTGATGCTGCACCAACTGTATCCATC
5-1	CAGCAGTGGTAATCATAG	GGTGTTCGGCGGAGGACCAAGCTGACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
4A-1	CAGCCTGAGTGGTT	ATGTC'TTCGGAAC'TGGGACCAAGGTCACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
11A-1	CAGCAGCGCT	GTGGTATTTCGGCGGAGGACCAAGCTGACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
5-7	CTACTATGGTGGTCTC	GGGTGTTTCGGCGGAGGACCAAGCTGACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
5-4	CTCCTATAGTGGTGCCTCGa	GTATTTCGGCGGAGGACCAAGCTGACCGTCCTAG	GGGCTGATGCTGCACCAACTGTATCCATC
2-3	GAGCAACTTCGTGT	CTGTGTTTCGGAGGAGGCACCCAGCTGACCGCCCTCG	GGGCTGATGCTGCACCAACTGTATCCATC
FWR4		F G G G T K L T V L G A D A A P T V S I	

FIG. 12

	3' Human Vλ	Human Jλ1	5' Mouse Cλ2
2D1	GCAGGCAGCAACAATTa	aGTCTTCGGAACTGGGACCAAGGTCACCGTCCTAG	GTCAGCCCCAAGTCCCACTCCCACACTCTC
2D9	GACAGCAGTGGTAATCAT	TATGTCCTTCGGAACTGGGACCAAGGTCACCGTCCTAG	GTCAGCCCCAAGTCCCACTCCCACACTCTC
3E15	GACAGCAGCACTGCC	GTCTTCGGAACTGGGACCAAGGTCACCGTCCTAG	GTCAGCCCCAAGTCCCACTCCCACACTCTC
FWR4		F G T G T K K V T V L G Q P K S T P T L	

FIG. 13

SEQUENCE LISTING

<110> Macdonald, Lynn
 Stevens, Sean
 Gurer, Cagan
 Murphy, Andrew J.
 Hosiawa, Karolina A.

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ggcaaagccc	ccaaactcat	gatttatgag	gtcagtaagc	ggccctcagg	ggtccctgat	240
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gaggatgagg	ctgattatta	ctgcagctca	tatgcaggca	gcaacaatta	tgtcttcgga	360
actgggacca	aggtcacctg	cctaggggct	gatgctgcac	caactgtatc	catcttccca	420
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<210> 61

<211> 438

<212> DNA

<213> artificial sequence

<220>

<223> synthetic

<400> 61

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tgactggaa	ccagcagtga	cgttggtggt	tataactatg	tctcctggta	ccaacagcac	180
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gctgaggatg	aggctgatta	ttactgcagc	tcatatgcag	gcagcaacaa	tgtcttcgga	360
actgggacca	aggtcacctg	cctaggggct	gatgctgcac	caactgtatc	catcttccca	420
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<210> 62

<211> 441

<212> DNA

<213> artificial sequence

<220>

<223> synthetic

<400> 62

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gctgaggatg	aggctgatta	ttactgcagc	tcatatgcag	gcagcaacaa	ttatgtcttc	360
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<210> 63
 <211> 442
 <212> DNA
 <213> artificial sequence

<220>
 <223> synthetic

<400> 63
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<210> 64
 <211> 428
 <212> DNA
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<220>
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<400> 64
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<210> 65
 <211> 441
 <212> DNA
 <213> artificial sequence

<220>
 <223> synthetic

<400> 65
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 ccaccatcca gtgagcagtt a 441

<210> 66
 <211> 441
 <212> DNA
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<220>

<223> synthetic

<400> 66

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<210> 67

<211> 345

<212> DNA

<213> artificial sequence

<220>

<223> synthetic

<400> 67

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cagcggccct caggggtccc tgaccgattc tctggctcca agtctggcac ctcagcctcc 180
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gacagcctga atgggttatgt cttcggaact gggaccaagg tcaccgtcct aggggctgat 300
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<210> 68

<211> 432

<212> DNA

<213> artificial sequence

<220>

<223> synthetic

<400> 68

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tgctctggag atgcattgcc aaaaaaatat gcttattggg accagcagaa gtcaggccag 180
gcccctgtgc tggatcatcta tgaggacagc aaacgaccct ccgggatccc tgagagattc 240
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gaagctgact actactgtta ctcaacagac tacagtggta atcatgtctt cggaactggg 360
accaaggtca ccgtcctagg ggctgatgct gcaccaactg tatccatctt cccaccatcc 420
agtgagcagt ta 432
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<210> 69

<211> 426

<212> DNA

<213> artificial sequence

<220>

<223> synthetic

<400> 69

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cctgaggatg aggctgagta ttactgcttg ctctcctata gtggtgctta tgtcttcgga 360
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<212> DNA
<213> artificial sequence

<220>
<223> synthetic

<400> 70
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cctgaccatc agcagagccc aagccgggga tgaggctgac tattactgtc aggtgtggga 240
cagcagcact tatgtcttcg gaactgggac caaggtcacc gtcctagggg ctgatgctgc 300
accaactgta tccatcttcc caccatccag t 331

<210> 71
<211> 417
<212> DNA
<213> artificial sequence

<220>
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<400> 71
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<210> 72
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<220>
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<400> 72
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gcagtcacca gtggttacta tccaaactgg ttccagcaga aacctggaca agcaccacagg 180
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<210> 73
<211> 417
<212> DNA
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<220>
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<400> 73
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gctgaggacg aggctgatta ttactgctgc tcatatgcag gtagtagcac ttatgtcttc 360
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<210> 74
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<220>
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caccagggca aagcccccaa actcatgatt tatgaggcca gtaatcggcc ctccaggggtt 180
tctaatacgt tctctggctc caagtctggc aacacggcct ccctgaccat ctctgggctc 240
caggctgagg acgaggctga ttattactgc agctcatata caagcagcag cacttatgtc 300
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<213> Artificial Sequence

<220>
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<400> 75
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<210> 76
<211> 19
<212> DNA
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<220>
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<400> 76
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<210> 77
<211> 20
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<400> 77
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<210> 78
<211> 20
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<400> 84
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<210> 89
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