ATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCC
TTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGG
AAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCATT
CTCTGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCC
AGCATCAAGGGATCTAGTAGTCAATTATGTTAATACTAACATGGGTTTAAAAATTAGGC
AACTATTGTGGTTTCATATATCTTGCCTTACTTTTGGAAGAGAGACTGTACTTGAATAT
TTGGTATCTTTCGGAGTGTGGATTCGCACTCCTCCAGCCTATAGACCACCAAATGCCCC
TATCTTATCAACACTTCCGGAAACTACTGTTGTTAGACGACGGGACCGAGGCAGGTCCC
CTAGAAGAAGAACTCCCTCGCCTCGCAGACGCAGATCTCAATCGCCGCGTCGCAGAAGA
TCTCAATCTCGGGAATCTCAATGTTGA (SEQ ID NO:1)

Fig. 1

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAI
LCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKIRQLLWFHISCLTFGRETVLEY
LVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRRDRGRSPRRRTPSPRRRRSQSPRRRR
SQSRESQC (SEQ ID NO:2)

Fig. 2

ATGGGCAGCAGCCATCATCATCATCATCACAGCAGCGGCCTGGTGCCGCGCGGCAGCCA
TATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGC
CTTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGG
GAAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCAT
TCTCTGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATC
CAGCATCAAGGGATCTAGTAGTCAGTTATGTTAATACTAACATGGGTTTAAAATTTAGG
CAACTATTGTGGTTTCATATATCTTGCCTTACTTTTGGAAGAGAGACTGTACTTGAATA
TTTGGTATCTTTCGGAGTGTGGATTCGCACTCCTCCAGCCTATAGACCACCAAATGCCC
CTATCTTATCAACACTTCCGGAAACTACTGTTGTTAACTGA (SEQ ID NO:3)

Fig. 3

MGSSHHHHHHSSGLVPRGSHMDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYR
EALESPEHCSPHHTALRQAILCWGELMTLATWVGNNLEDPASRDLVVSYVNTNMGLKFR
QLLWFHISCLTFGRETVLEYLVSFGVWIRTPPAYRPPNAPILSTLPETTVVN
(SEQ ID NO:4)

Fig. 4

ATGGGCAGCAGCCATCATCATCATCACAGCAGCGGCCTGGTGCCGCGCGGCAGCCA
TATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGC
CTTCTGACTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGG
GAAGCCTTAGAGTCTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCAT
TCTCTGCTGGGGGGAATTGATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATC
CAGCATCAAGGGATCTAGTAGTCAATTATGTTAATACTAACATGGGTTTAAAATTTAGG
CAACTATTGTGGTTTCATATATCTTGCCTTACTTTTGGAAGAGAGACTGTACTTGAATA
TTTGGTATCTTTCGGAGTGTGGATTCGCACTCCTCCAGCCTATAGACCACCAAATGCCC
CTATCTTATCAACACTTCCGGAAACTACTGTTGTTAGACGACGGGACCGAGGCAGGTCC
CCTAGAAGAAGAACTCCCTCGCCTCGCAGACGCAGATCTCAATCGCCGCGTCGCAGAAG
ATCTCAATCTCGGGAATCTCAATGTGTTAACGCCAAGACAATTGCGTACGACGAAGAGG
CCCGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCGATGCGGTAAAGGTGACATTG
GGCCCCAAGGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCCCCCACGATCACCAA
CGATGGTGTGTCCATCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAAGATCGGCG
CCGAGCTGGTCAAAGAGGTAGCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCACG
ACGGCCACCGTGCTGGCCCAGGCGTTGGTTCGCGAGGGCCTGCGCAACGTCGCGGCCGC
CGCCAACCCGCTCGGTCTCAAACGCGGCATCGAAAAGGCCGTGGAGAAGGTCACCGAGA
CCCTGCTCAAGGGCGCCAAGGAGGTCGAGACCAAGGAGCAGATTGCGGCCACCGCAGCG
ATTTCGGCGGGTGACCAGTCCATCGGTGACCTGATCGCCGAGGCGATGGACAAGGTGGG
CAACGAGGGCGTCATCACCGTCGAGGAGTCCAACACCTTTGGGCTGCAGCTCGAGCTCA
CCGAGGGTATGCGGTTCGACAAGGGCTACATCTCGGGGTACTTCGTGACCGACCCGGAG
CGTCAGGAGGCGGTCCTGGAGGACCCCTACATCCTGCTGGTCAGCTCCAAGGTGTCCAC
TGTCAAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGAGCCGGTAAGCCGCTGCTGA
TCATCGCCGAGGACGTCGAGGGCGAGGCGCTGTCCACCCTGGTCGTCAACAAGATCCGC
GGCACCTTCAAGTCGGTGGCGGTCAAGGCTCCCGGCTTCGGCGACCGCCGCAAGGCGAT
GCTGCAGGATATGGCCATTCTCACCGGTGGTCAGGTGATCAGCGAAGAGGTCGGCCTGA
CGCTGGAGAACGCCGACCTGTCGCTGCTAGGCAAGGCCCGCAAGGTCGTGGTCACCAAG
GACGAGACCACCATCGTCGAGGGCGCCGGTGACACCGACGCCATCGCCGGACGAGTGGC
CCAGATCCGCCAGGAGATCGAGAACAGCGACTCCGACTACGACCGTGAGAAGCTGCAGG

Fig. 5 (page 1 of 2)

AGCGGCTGGCCAAGCTGGCCGGTGGTGTCGCGGTGATCAAGGCCGGTGCCGCCACCGAG
GTCGAACTCAAGGAGCGCAAGCACCGCATCGAGGATGCGGTTCGCAATGCCAAGGCCGC
CGTCGAGGAGGGCATCGTCGCCGGTGGGGGTGTGACGCTGTTGCAAGCGGCCCCGACCC
TGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACCGGCGCCAACATCGTGAAGGTGGCG
CTGGAGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCTGGAGCCGGGCGTGGTGGC
CGAGAAGGTGCGCAACCTGCCGGCTGGCCACGGACTGAACGCTCAGACCGGTGTCTACG
AGGATCTGCTCGCTGCCGGCGTTGCTGACCCGGTCAAGGTGACCCGTTCGGCGCTGCAG
AATGCGGCGTCCATCGCGGGGCTGTTCCTGACCACCGAGGCCGTCGTTGCCGACAAGCC
GGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGTGGCATGGATTTCTGA
(SEQ ID NO:5)

Fig. 5 (page 2 of 2)

MGSSHHHHHHSSGLVPRGSHMDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYR
EALESPEHCSPHHTALRQAILCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKFR
QLLWFHISCLTFGRETVLEYLVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRRDRGRS
PRRRTPSPRRRRSQSPRRRRSQSRESQCVNAKTIAYDEEARRGLERGLNALADAVKVTL
GPKGRNVVLEKKWGAPTITNDGVSIAKEIELEDPYEKIGAELVKEVAKKTDDVAGDGTT
TATVLAQALVREGLRNVAAGANPLGLKRGIEKAVEKVTETLLKGAKEVETKEQIAATAA
ISAGDQSIGDLIAEAMDKVGNEGVITVEESNTFGLQLELTEGMRFDKGYISGYFVTDPE
RQEAVLEDPYILLVSSKVSTVKDLLPLLEKVIGAGKPLLIIAEDVEGEALSTLVVNKIR
GTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEVGLTLENADLSLLGKARKVVVTK
DETTIVEGAGDTDAIAGRVAQIRQEIENSDSDYDREKLQERLAKLAGGVAVIKAGAATE
VELKERKHRIEDAVRNAKAAVEEGIVAGGGVTLLQAAPTLDELKLEGDEATGANIVKVA
LEAPLKQIAFNSGLEPGVVAEKVRNLPAGHGLNAQTGVYEDLLAAGVADPVKVTRSALQ
NAASIAGLFLTTEAVVADKPEKEKASVPGGGDMGGMDF (SEQ ID NO:6)

Fig. 6

ATGGGCAGCAGCCATCATCATCATCATCACAGCAGCGGCCTGGTGCCGCGCGGCAGCCATATGGA
CATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGACTTCT
TTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGGAAGCCTTAGAGTCTCCT
GAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCATTCTCTGCTGGGGGGAATTGATGAC
TCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCAAGGGATCTAGTAGTCAGTTATG
TTAATACTAACATGGGTTTAAAATTTAGGCAACTATTGTGGTTTCATATATCTTGCCTTACTTTT
GGAAGAGAGACTGTACTTGAATATTTGGTATCTTTCGGAGTGTGGATTCGCACTCCTCCAGCCTA
TAGACCACCAAATGCCCCTATCTTATCAACACTTCCGGAAACTACTGTTGTTAACGCCAAGACAA
TTGCGTACGACGAAGAGGCCCGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCGATGCGGTA
AAGGTGACATTGGGCCCCAAGGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCCCCCACGAT
CACCAACGATGGTGTGTCCATCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAAGATCGGCG
CCGAGCTGGTCAAAGAGGTAGCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCACGACGGCC
ACCGTGCTGGCCCAGGCGTTGGTTCGCGAGGGCCTGCGCAACGTCGCGGCCGGCGCCAACCCGCT
CGGTCTCAAACGCGGCATCGAAAAGGCCGTGGAGAAGGTCACCGAGACCCTGCTCAAGGGCGCCA
AGGAGGTCGAGACCAAGGAGCAGATTGCGGCCACCGCAGCGATTTCGGCGGGTGACCAGTCCATC
GGTGACCTGATCGCCGAGGCGATGGACAAGGTGGGCAACGAGGGCGTCATCACCGTCGAGGAGTC
CAACACCTTTGGGCTGCAGCTCGAGCTCACCGAGGGTATGCGGTTCGACAAGGGCTACATCTCGG
GGTACTTCGTGACCGACCCGGAGCGTCAGGAGGCGGTCCTGGAGGACCCCTACATCCTGCTGGTC
AGCTCCAAGGTGTCCACTGTCAAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGAGCCGGTAA
GCCGCTGCTGATCATCGCCGAGGACGTCGAGGGCGAGGCGCTGTCCACCCTGGTCGTCAACAAGA
TCCGCGGCACCTTCAAGTCGGTGGCGGTCAAGGCTCCCGGCTTCGGCGACCGCCGCAAGGCGATG
CTGCAGGATATGGCCATTCTCACCGGTGGTCAGGTGATCAGCGAAGAGGTCGGCCTGACGCTGGA
GAACGCCGACCTGTCGCTGCTAGGCAAGGCCCGCAAGGTCGTGGTCACCAAGGACGAGACCACCA
TCGTCGAGGGCGCCGGTGACACCGACGCCATCGCCGGACGAGTGGCCCAGATCCGCCAGGAGATC
GAGAACAGCGACTCCGACTACGACCGTGAGAAGCTGCAGGAGCGGCTGGCCAAGCTGGCCGGTGG
TGTCGCGGTGATCAAGGCCGGTGCCGCCACCGAGGTCGAACTCAAGGAGCGCAAGCACCGCATCG
AGGATGCGGTTCGCAATGCCAAGGCCGCCGTCGAGGAGGGCATCGTCGCCGGTGGGGGTGTGACG
CTGTTGCAAGCGGCCCCGACCCTGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACCGGCGCCAA
CATCGTGAAGGTGGCGCTGGAGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCTGGAGCCGG
GCGTGGTGGCCGAGAAGGTGCGCAACCTGCCGGCT

Fig. 7 (page 1 of 2)

GGCCACGGACTGAACGCTCAGACCGGTGTCTACGAGGATCTGCTCGCTGCCGGCGTTGCTGACCC
GGTCAAGGTGACCCGTTCGGCGCTGCAGAATGCGGCGTCCATCGCGGGGCTGTTCCTGACCACCG
AGGCCGTCGTTGCCGACAAGCCGGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGT
GGCATGGATTTCTGA (SEQ ID NO:7)

Fig. 7 (page 2 of 2)

MGSSHHHHHHSSGLVPRGSHMDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYR
EALESPEHCSPHHTALRQAILCWGELMTLATWVGNNLEDPASRDLVVSYVNTNMGLKFR
QLLWFHISCLTFGRETVLEYLVSFGVWIRTPPAYRPPNAPILSTLPETTVVNAKTIAYD
EEARRGLERGLNALADAVKVTLGPKGRNVVLEKKWGAPTITNDGVSIAKEIELEDPYEK
IGAELVKEVAKKTDDVAGDGTTTATVLAQALVREGLRNVAAGANPLGLKRGIEKAVEKV
TETLLKGAKEVETKEQIAATAAISAGDQSIGDLIAEAMDKVGNEGVITVEESNTFGLQL
ELTEGMRFDKGYISGYFVTDPERQEAVLEDPYILLVSSKVSTVKDLLPLLEKVIGAGKP
LLIIAEDVEGEALSTLVVNKIRGTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEV
GLTLENADLSLLGKARKVVVTKDETTIVEGAGDTDAIAGRVAQIRQEIENSDSDYDREK
LQERLAKLAGGVAVIKAGAATEVELKERKHRIEDAVRNAKAAVEEGIVAGGGVTLLQAA
PTLDELKLEGDEATGANIVKVALEAPLKQIAFNSGLEPGVVAEKVRNLPAGHGLNAQTG
VYEDLLAAGVADPVKVTRSALQNAASIAGLFLTTEAVVADKPEKEKASVPGGGDMGGMD
F

SEQ ID NO:8)

Fig. 8

ATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGA
CTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGGAAGCCTTAGAGT
CTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCATTCTCTGCTGGGGGGAATTG
ATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCAAGGGATCTAGTAGTCAA
TTATGTTAATACTAACATGGGTTTAAAATTTAGGCAACTATTGTGGTTTCATATATCTTGCCTTA
CTTTTGGAAGAGAGACTGTACTTGAATATTTGGTATCTTTCGGAGTGTGGATTCGCACTCCTCCA
GCCTATAGACCACCAAATGCCCCTATCTTATCAACACTTCCGGAAACTACTGTTGTTAGACGAGC
CAAGACAATTGCGTACGACGAAGAGGCCCGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCG
ATGCGGTAAAGGTGACATTGGGCCCCAAGGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCC
CCCACGATCACCAACGATGGTGTGTCCATCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAA
GATCGGCGCCGAGCTGGTCAAAGAGGTAGCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCA
CGACGGCCACCGTGCTGGCCCAGGCGTTGGTTCGCGAGGGCCTGCGCAACGTCGCGGCCGGCGCC
AACCCGCTCGGTCTCAAACGCGGCATCGAAAAGGCCGTGGAGAAGGTCACCGAGACCCTGCTCAA
GGGCGCCAAGGAGGTCGAGACCAAGGAGCAGATTGCGGCCACCGCAGCGATTTCGGCGGGTGACC
AGTCCATCGGTGACCTGATCGCCGAGGCGATGGACAAGGTGGGCAACGAGGGCGTCATCACCGTC
GAGGAGTCCAACACCTTTGGGCTGCAGCTCGAGCTCACCGAGGGTATGCGGTTCGACAAGGGCTA
CATCTCGGGGTACTTCGTGACCGACCCGGAGCGTCAGGAGGCGGTCCTGGAGGACCCCTACATCC
TGCTGGTCAGCTCCAAGGTGTCCACTGTCAAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGA
GCCGGTAAGCCGCTGCTGATCATCGCCGAGGACGTCGAGGGCGAGGCGCTGTCCACCCTGGTCGT
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ACGCTGGAGAACGCCGACCTGTCGCTGCTAGGCAAGGCCCGCAAGGTCGTGGTCACCAAGGACGA
GACCACCATCGTCGAGGGCGCCGGTGACACCGACGCCATCGCCGGACGAGTGGCCCAGATCCGCC
AGGAGATCGAGAACAGCGACTCCGACTACGACCGTGAGAAGCTGCAGGAGCGGCTGGCCAAGCTG
GCCGGTGGTGTCGCGGTGATCAAGGCCGGTGCCGCCACCGAGGTCGAACTCAAGGAGCGCAAGCA
CCGCATCGAGGATGCGGTTCGCAATGCCAAGGCCGCCGTCGAGGAGGGCATCGTCGCCGGTGGGG
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GGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGTGGCATGGATTTCTGA SEQID

NO:9)

Fig. 9

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAI
LCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKFRQLLWFHISCLTFGRETVLEY
LVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRAKTIAYDEEARRGLERGLNALADAVK
VTLGPKGRNVVLEKKWGAPTITNDGVSIAKEIELEDPYEKIGAELVKEVAKKTDDVAGD
GTTTATVLAQALVREGLRNVAAGANPLGLKRGIEKAVEKVTETLLKGAKEVETKEQIAA
TAAISAGDQSIGDLIAEAMDKVGNEGVITVEESNTFGLQLELTEGMRFDKGYISGYFVT
DPERQEAVLEDPYILLVSSKVSTVKDLLPLLEKVIGAGKPLLIIAEDVEGEALSTLVVN
KIRGTFKSVAVKAPGFGDRRKAMLQDMAILTGGQVISEEVGLTLENADLSLLGKARKVV
VTKDETTIVEGAGDTDAIAGRVAQIRQEIENSDSDYDREKLQERLAKLAGGVAVIKAGA
ATEVELKERKHRIEDAVRNAKAAVEEGIVAGGGVTLLQAAPTLDELKLEGDEATGANIV
KVALEAPLKQIAFNSGLEPGVVAEKVRNLPAGHGLNAQTGVYEDLLAAGVADPVKVTRS
ALQNAASIAGLFLTTEAVVADKPEKEKASVPGGGDMGGMDF (SEQ ID NO:10)

Fig. 10

ATGGACATTGACCCTTATAAAGAATTTGGAGCTACTGTGGAGTTACTCTCGTTTTTGCCTTCTGA
CTTCTTTCCTTCCGTCAGAGATCTCCTAGACACCGCCTCAGCTCTGTATCGGGAAGCCTTAGAGT
CTCCTGAGCATTGCTCACCTCACCACACCGCACTCAGGCAAGCCATTCTCTGCTGGGGGGAATTG
ATGACTCTAGCTACCTGGGTGGGTAATAATTTGGAAGATCCAGCATCAAGGGATCTAGTAGTCAA
TTATGTTAATACTAACATGGGTTTAAAATTTAGGCAACTATTGTGGTTTCATATATCTTGCCTTA
CTTTTGGAAGAGAGACTGTACTTGAATATTTGGTATCTTTCGGAGTGTGGATTCGCACTCCTCCA
GCCTATAGACCACCAAATGCCCCTATCTTATCAACACTTCCGGAAACTACTGTTGTTAGACGACG
GGACCGAGGCAGGTCCCCTAGAAGAAGAACTCCCTCGCCTCGCAGACGCAGATCTCAATCGCCGC
GTCGCAGAAGATCTCAATCTCGGGAATCTCAATGTGCCAAGACAATTGCGTACGACGAAGAGGCC
CGTCGCGGCCTCGAGCGGGGCTTGAACGCCCTCGCCGATGCGGTAAAGGTGACATTGGGCCCCAA
GGGCCGCAACGTCGTCCTGGAAAAGAAGTGGGGTGCCCCCACGATCACCAACGATGGTGTGTCCA
TCGCCAAGGAGATCGAGCTGGAGGATCCGTACGAGAAGATCGGCGCCGAGCTGGTCAAAGAGGTA
GCCAAGAAGACCGATGACGTCGCCGGTGACGGCACCACGACGGCCACCGTGCTGGCCCAGGCGTT
GGTTCGCGAGGGCCTGCGCAACGTCGCGGCCGGCGCCAACCCGCTCGGTCTCAAACGCGGCATCG
AAAAGGCCGTGGAGAAGGTCACCGAGACCCTGCTCAAGGGCGCCAAGGAGGTCGAGACCAAGGAG
CAGATTGCGGCCACCGCAGCGATTTCGGCGGGTGACCAGTCCATCGGTGACCTGATCGCCGAGGC
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TCGAGCTCACCGAGGGTATGCGGTTCGACAAGGGCTACATCTCGGGGTACTTCGTGACCGACCCG
GAGCGTCAGGAGGCGGTCCTGGAGGACCCCTACATCCTGCTGGTCAGCTCCAAGGTGTCCACTGT
CAAGGATCTGCTGCCGCTGCTCGAGAAGGTCATCGGAGCCGGTAAGCCGCTGCTGATCATCGCCG
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CACCGGTGGTCAGGTGATCAGCGAAGAGGTCGGCCTGACGCTGGAGAACGCCGACCTGTCGCTGC
TAGGCAAGGCCCGCAAGGTCGTGGTCACCAAGGACGAGACCACCATCGTCGAGGGCGCCGGTGAC
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GTGCCGCCACCGAGGTCGAACTCAAGGAGCGCAAGCACCGCATCGAGGATGCGGTTCGCAATGCC
AAGGCCGCCGTCGAGGAGGGCATCGTCGCCGGTGGGGGTGTGACGCTGTTGCAAGCGGCCCCGAC
CCTGGACGAGCTGAAGCTCGAAGGCGACGAGGCGACCGGCGCCAACATCGTGAAGGTGGCGCTGG
AGGCCCCGCTGAAGCAGATCGCCTTCAACTCCGGGCTGGAGCCGGGCGTGGTGGCCGAGAAGGTG
CGCAACCTGCCGGCTGGCCACGGACTGAAC

Fig. 11 (page 1 of 2)

GCTCAGACCGGTGTCTACGAGGATCTGCTCGCTGCCGGCGTTGCTGACCCGGTCAAGGTGACCCG
TTCGGCGCTGCAGAATGCGGCGTCCATCGCGGGGCTGTTCCTGACCACCGAGGCCGTCGTTGCCG
ACAAGCCGGAAAAGGAGAAGGCTTCCGTTCCCGGTGGCGGCGACATGGGTGGCATGGATTTCTGA
(SEQ ID NO:11)

Fig. 11 (page 2 of 2)

MDIDPYKEFGATVELLSFLPSDFFPSVRDLLDTASALYREALESPEHCSPHHTALRQAI
LCWGELMTLATWVGNNLEDPASRDLVVNYVNTNMGLKFRQLLWFHISCLTFGRETVLEY
LVSFGVWIRTPPAYRPPNAPILSTLPETTVVRRRDRGRSPRRRTPSPRRRRSQSPRRRR
SQSRESQCAKTIAYDEEARRGLERGLNALADAVKVTLGPKGRNVVLEKKWGAPTITNDG
VSIAKEIELEDPYEKIGAELVKEVAKKTDDVAGDGTTTATVLAQALVREGLRNVAAGAN
PLGLKRGIEKAVEKVTETLLKGAKEVETKEQIAATAAISAGDQSIGDLIAEAMDKVGNE
GVITVEESNTFGLQLELTEGMRFDKGYISGYFVTDPERQEAVLEDPYILLVSSKVSTVK
DLLPLLEKVIGAGKPLLIIAEDVEGEALSTLVVNKIRGTFKSVAVKAPGFGDRRKAMLQ
DMAILTGGQVISEEVGLTLENADLSLLGKARKVVVTKDETTIVEGAGDTDAIAGRVAQI
RQEIENSDSDYDREKLQERLAKLAGGVAVIKAGAATEVELKERKHRIEDAVRNAKAAVE
EGIVAGGGVTLLQAAPTLDELKLEGDEATGANIVKVALEAPLKQIAFNSGLEPGVVAEK
VRNLPAGHGLNAQTGVYEDLLAAGVADPVKVTRSALQNAASIAGLFLTTEAVVADKPEK
EKASVPGGGDMGGMDF (SEQ ID NO:12)

Fig. 12

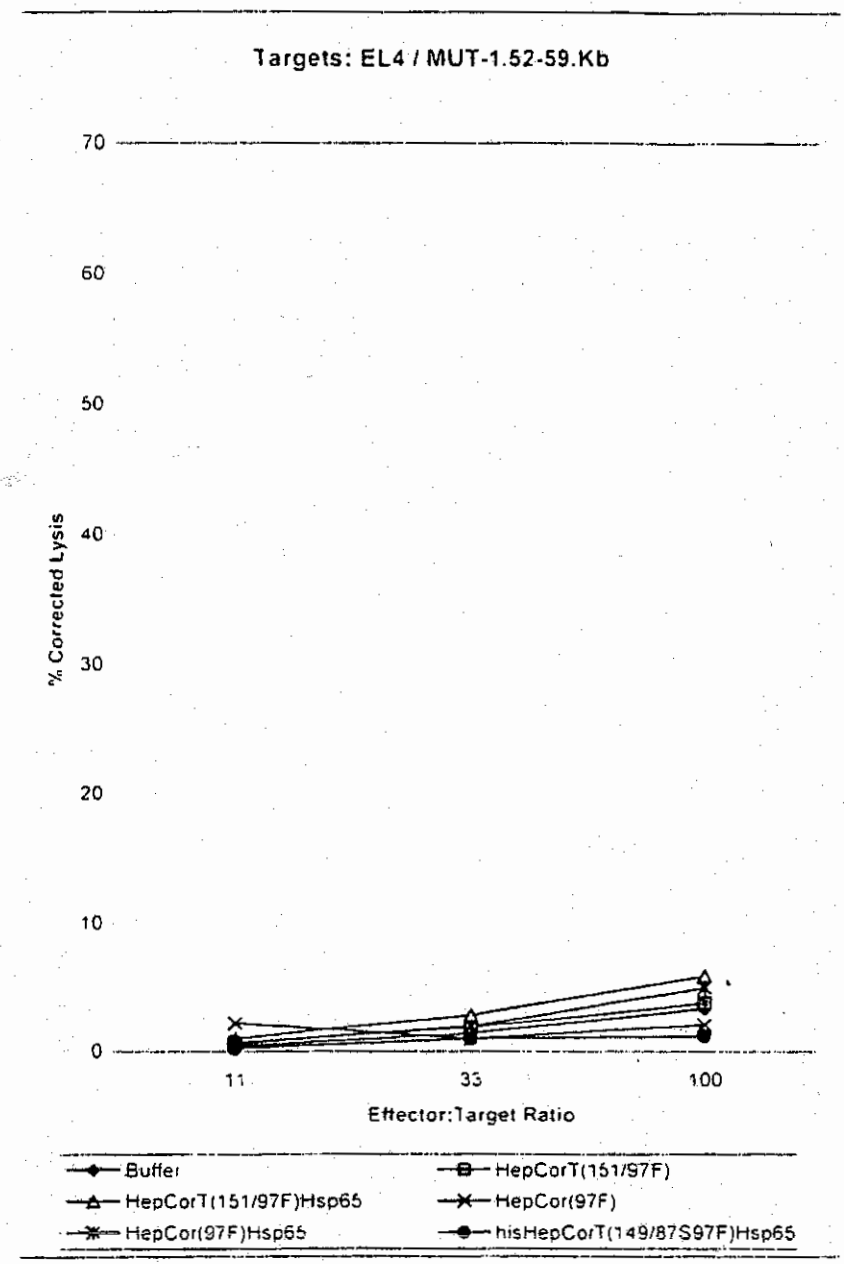

Targets: EL4 / MUT-1.52-59.Kb
70
60
50
40
30
20
10
0
% Corrected Lysis
11
33
100
Effector:Target Ratio
Buffer
HepCorT(151/97F)
HepCorT(151/97F)Hsp65
HepCor(97F)
HepCor(97F)Hsp65
hisHepCorT(149/87S97F)Hsp65

Fig. 13

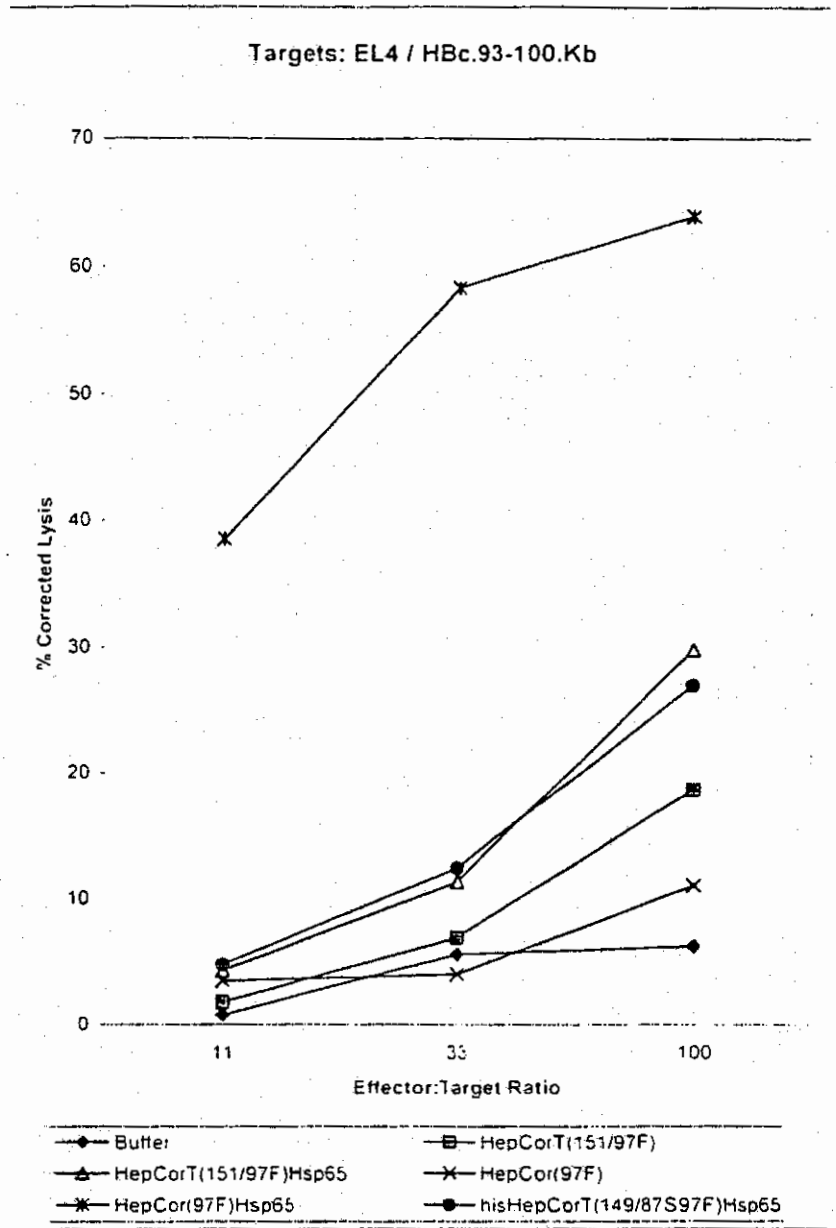

Targets: EL4 / HBc.93-100.Kb
70
60
50
40
30
20
10
0
% Corrected Lysis
11
33
100
Effector:Target Ratio
Buffer
HepCorT(151/97F)
HepCorT(151/97F)Hsp65
HepCor(97F)
HepCor(97F)Hsp65
hisHepCorT(149/87S97F)Hsp65

Fig. 14

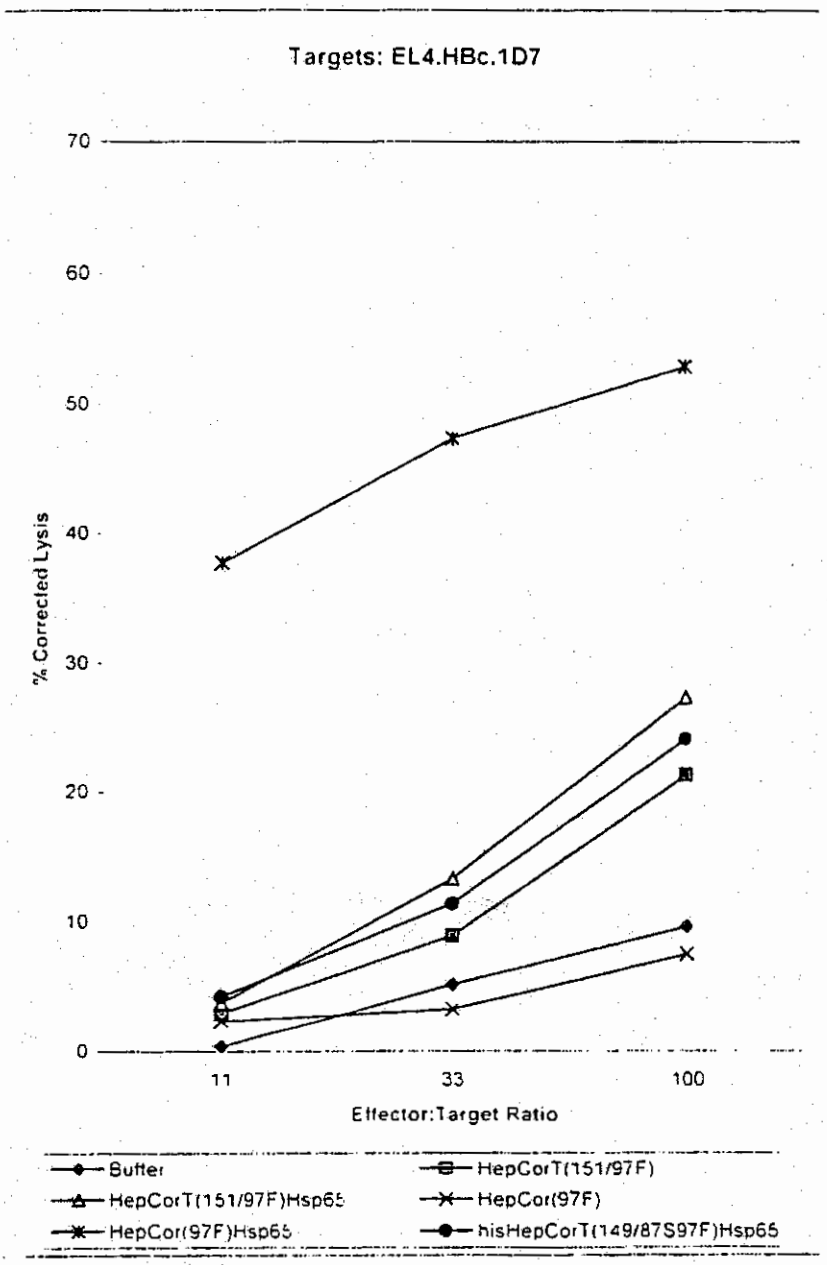

Targets: EL4.HBc.1D7
70
60
50
40
30
20
10
0
% Corrected Lysis
11
33
100
Effector:Target Ratio
Buffer
HepCorT(151/97F)
HepCorT(151/97F)Hsp65
HepCor(97F)
HepCor(97F)Hsp65
hisHepCorT(149/87S97F)Hsp65

Fig. 15

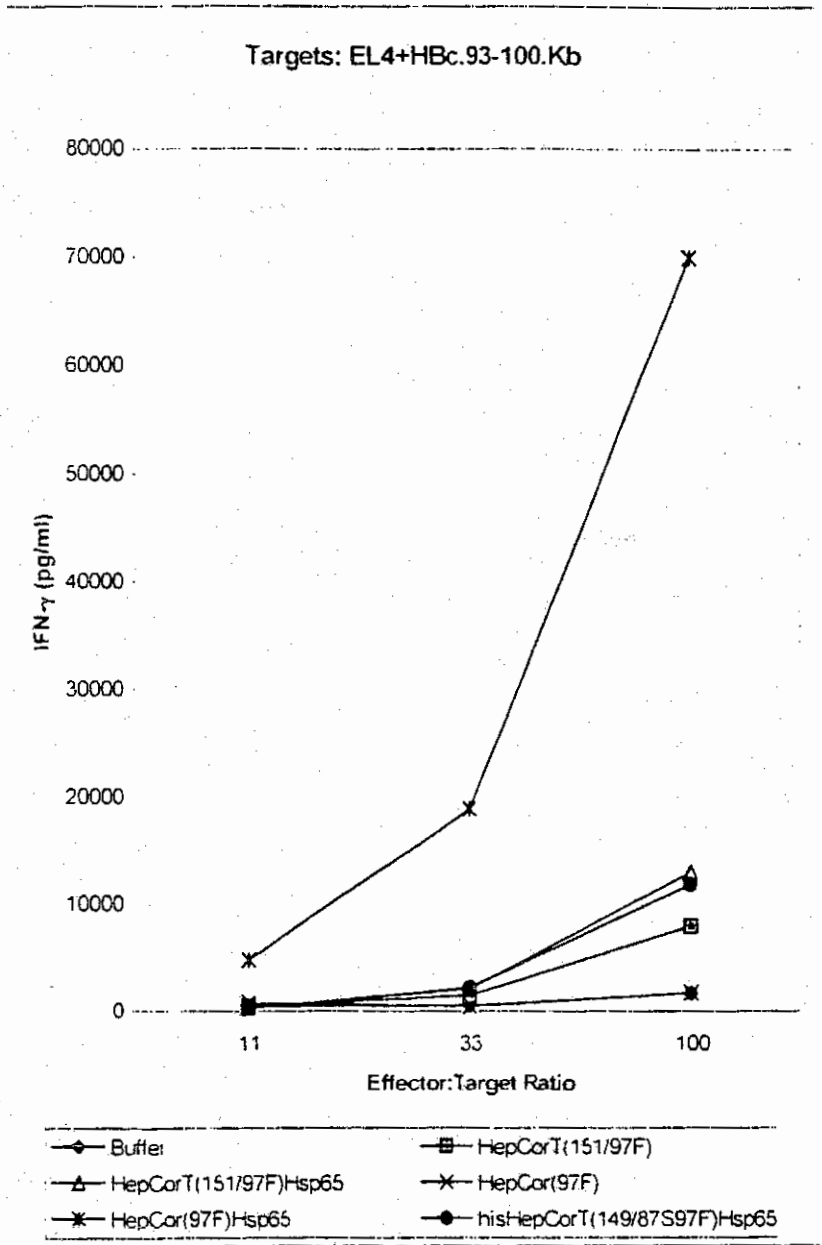

Targets: EL4+HBc.93-100.Kb
80000
70000
60000
50000
40000
30000
20000
10000
0
IFN-γ (pg/ml)
11
33
100
Effector:Target Ratio
Buffer
HepCorT(151/97F)
HepCorT(151/97F)Hsp65
HepCor(97F)
HepCor(97F)Hsp65
hisHepCorT(149/87S97F)Hsp65

Fig. 16

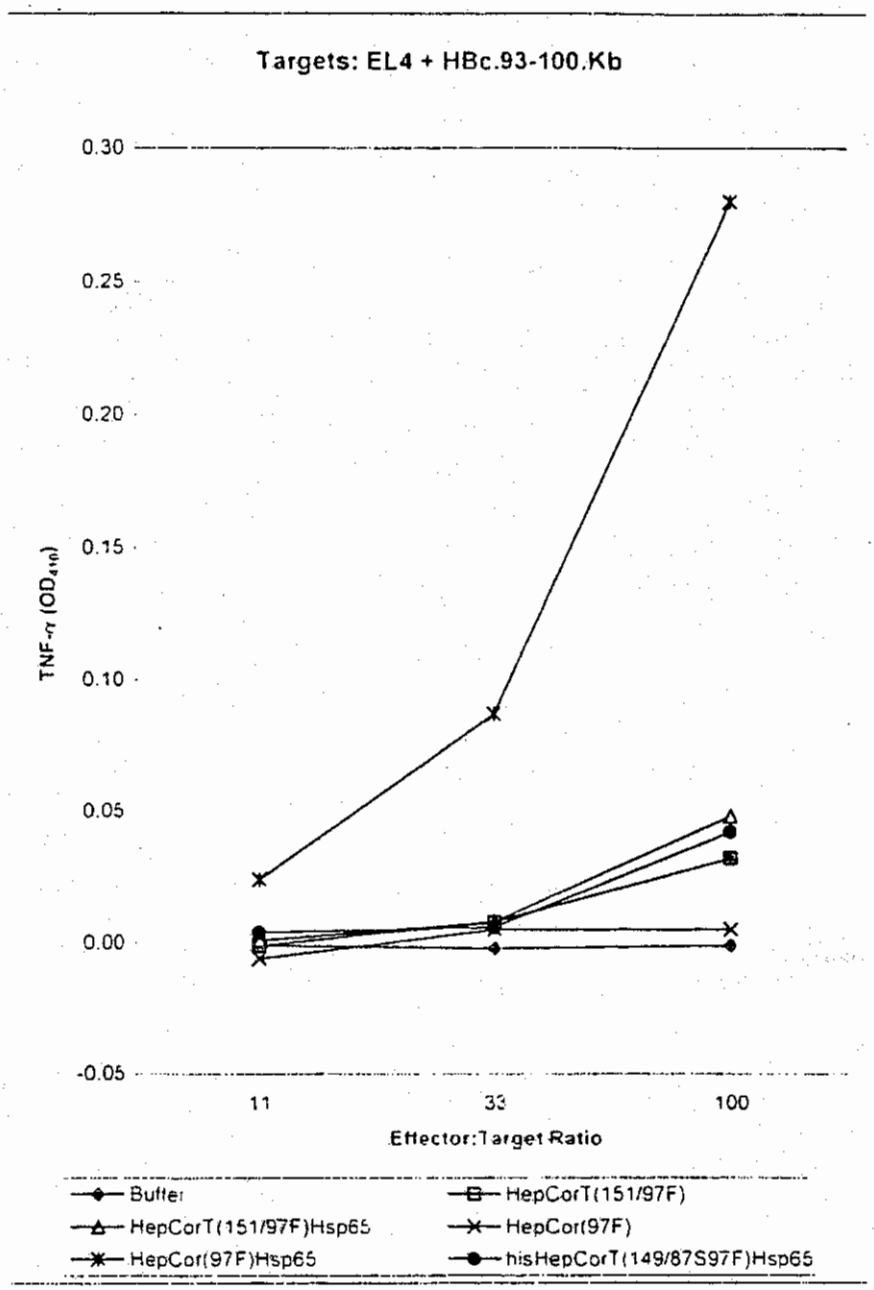

Targets: EL4 + HBc.93-100.Kb
0.30
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
TNF-α (OD410)
11
33
100
Effector:Target Ratio
Buffer
HepCorT(151/97F)
HepCorT(151/97F)Hsp65
HepCor(97F)
HepCor(97F)Hsp65
hisHepCorT(149/87S97F)Hsp65

Fig. 17