Figure 1

Figure 1A

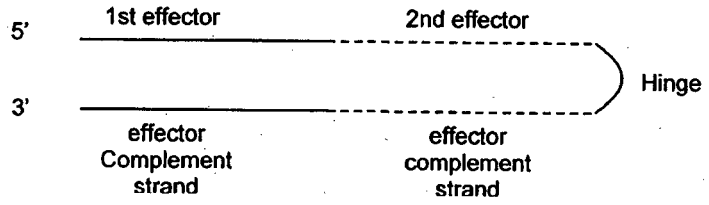


Figure 1B

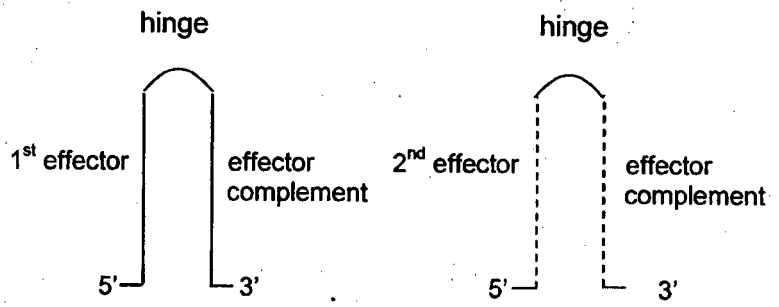


Figure 1C

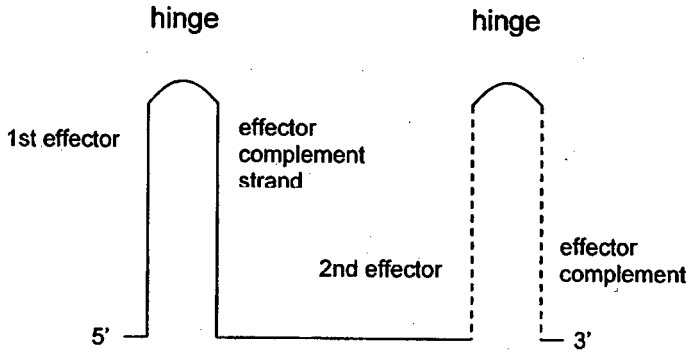


Figure 1D

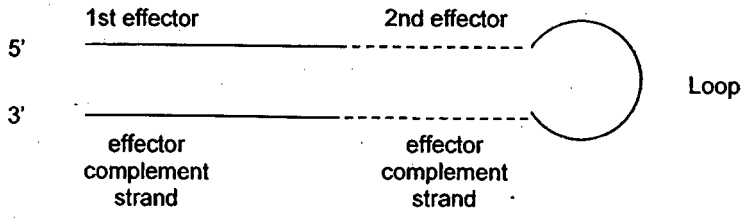


Figure 1E

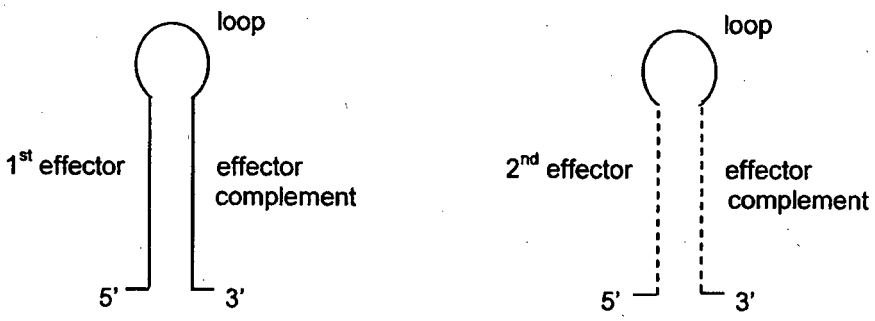


Figure 1F

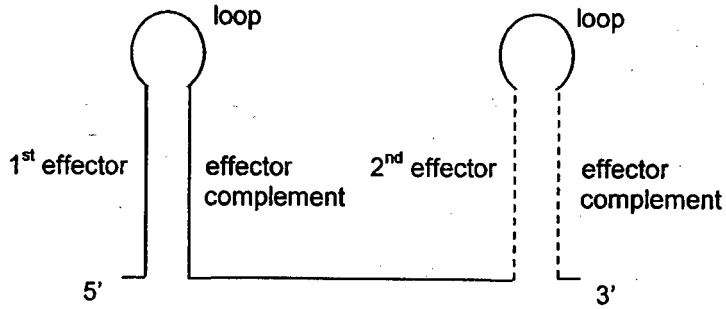


Figure 1G

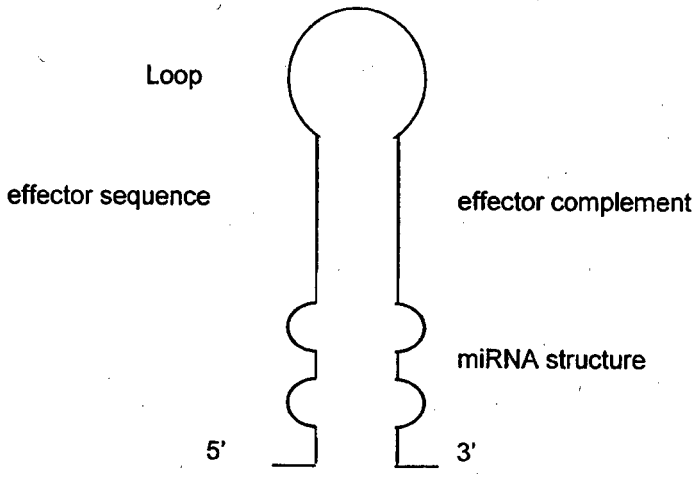


Figure 2

Figure 2A

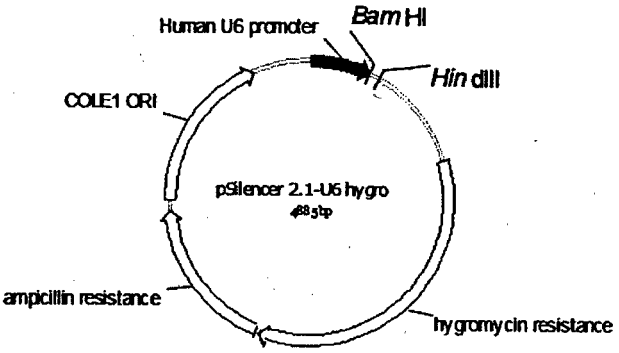


Figure 2B

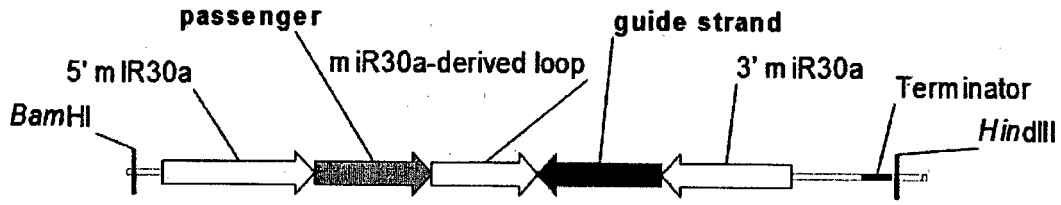


Figure 2C – DNA Sequence of B

ggatccggtatattgctgttgacagtgagcgaTAGACACACCCACCCACATA*actgtga*
*agcagatgggt***TATGTGGGTGGGTGTGTCTAC**cgcctactgcctcggacttcaagctag
cggtacctttttaagctt (SEQ ID NO: 98)

Figure 2D Predicted RNA structure of B

```
--      AU      --      -----UUGA      A    A                          GUGAA
  GGUAU  UGCUG  UUGA           CAGUG GCG UAGACACACCCACCCACAUAACU      G
  CCAUG  GCGAU  AACU           GUCAU CGC AUCUGUGUGGGUGGGUGUAUUGG      C
UU      --      CG     UCAGGCUCC      C    C                          GUAGA
(SEQ ID NO: 147)
```

Figure 3

Figure 3A

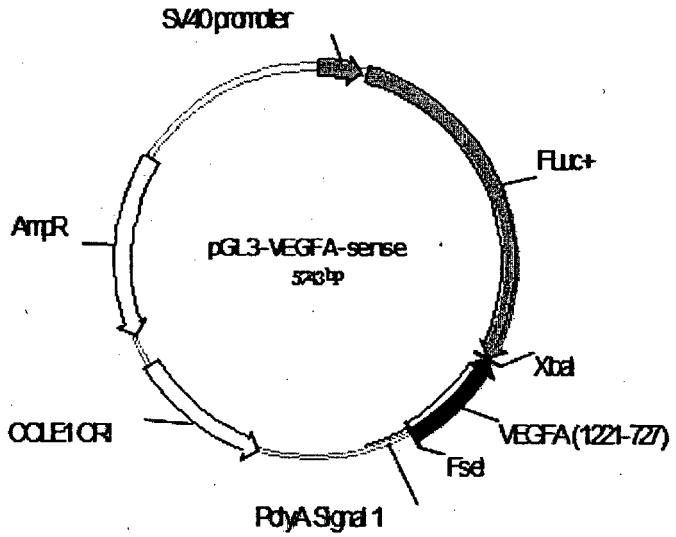


Figure 3B

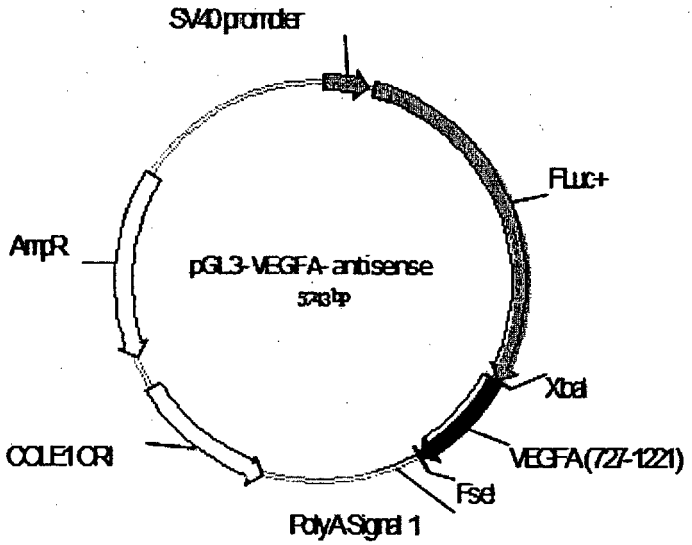


Figure 4

Figure 4A

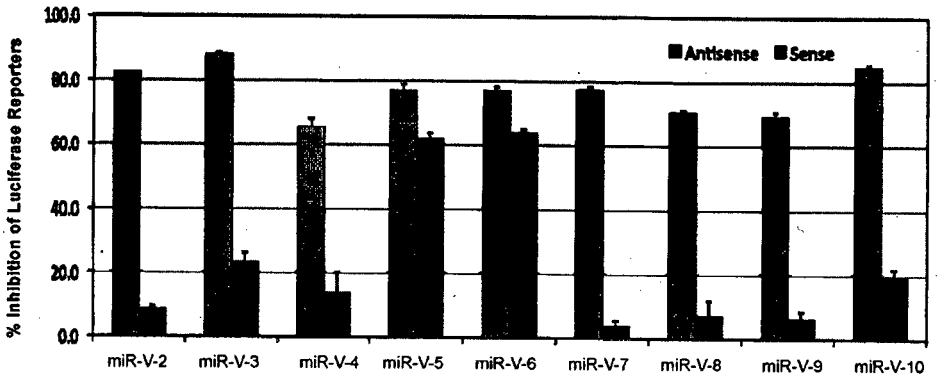


Figure 4B

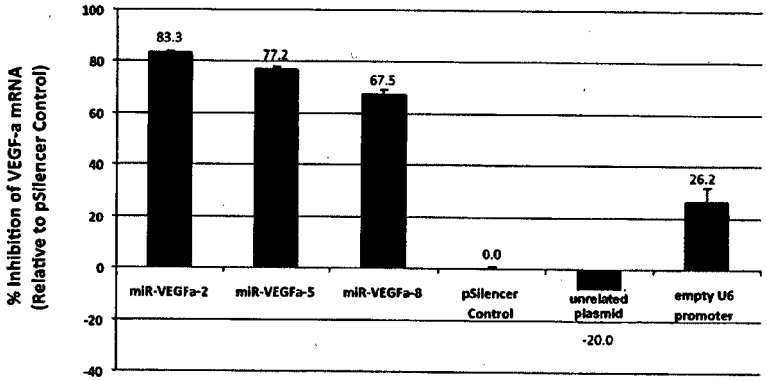


Figure 4C

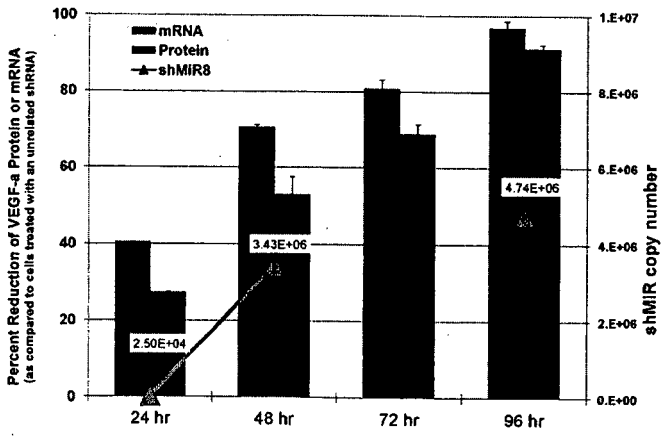


Figure 5

Figure 5A

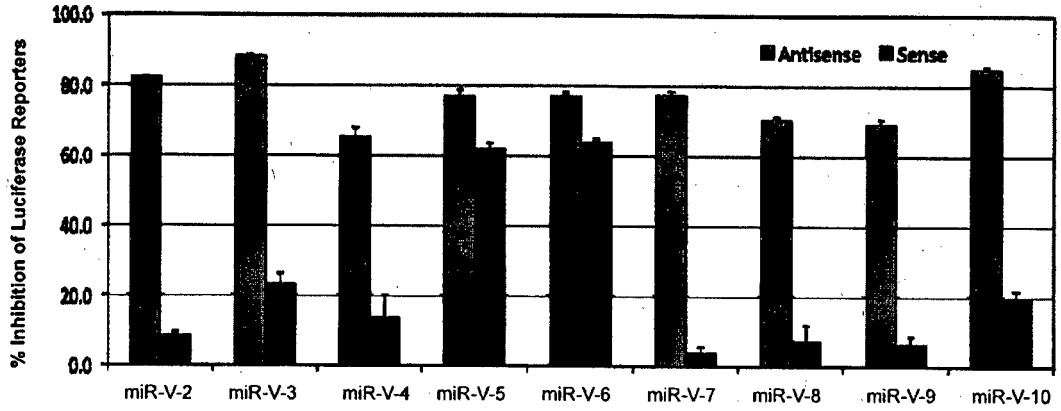


Figure 5B

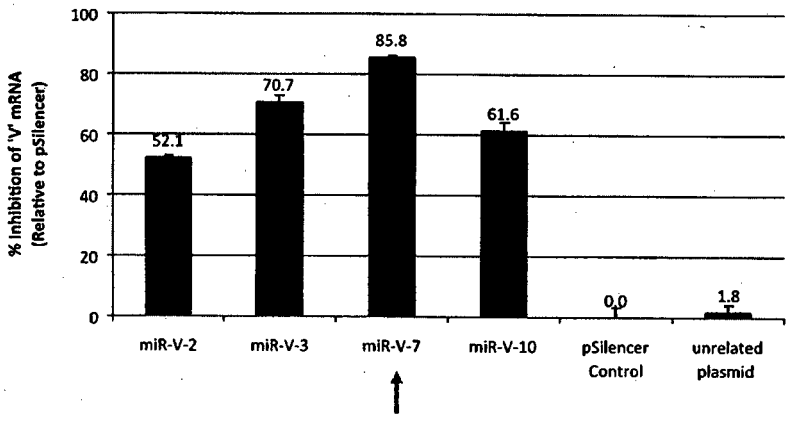


Figure 5C

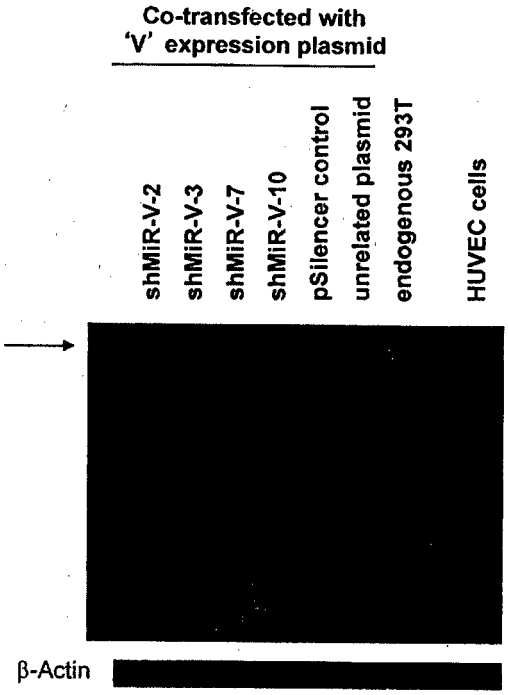

Co-transfected with
'V' expression plasmid
shMiR-V-2
shMiR-V-3
shMiR-V-7
shMiR-V-10
pSilencer control
unrelated plasmid
endogenous 293T
HUVEC cells
β-Actin

Figure 6

Figure 6A

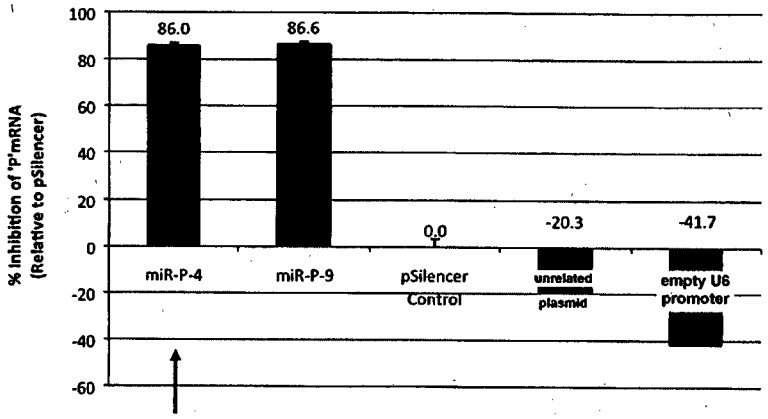


Figure 6B

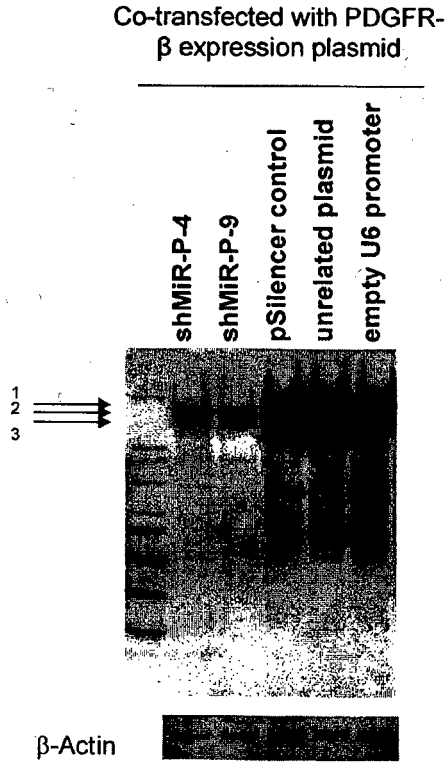


Figure 7

Figure 7A

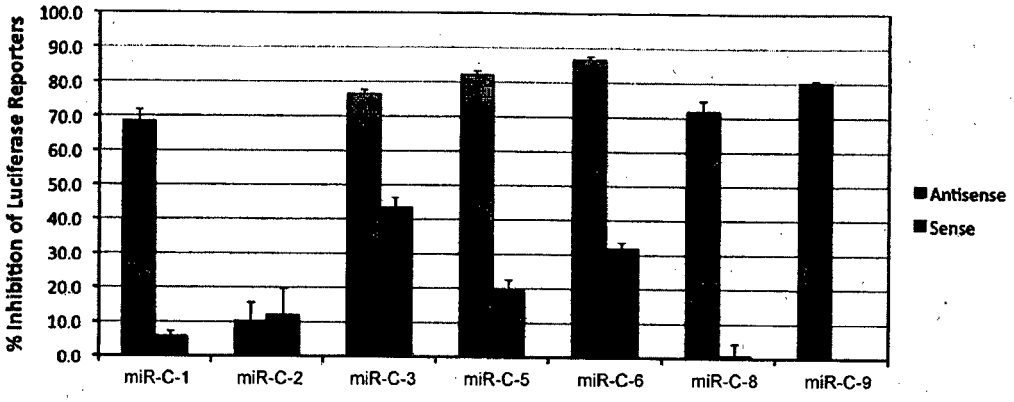


Figure 7B

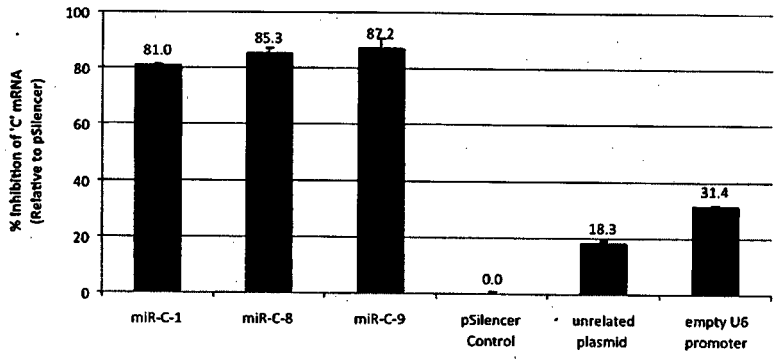


Figure 7C

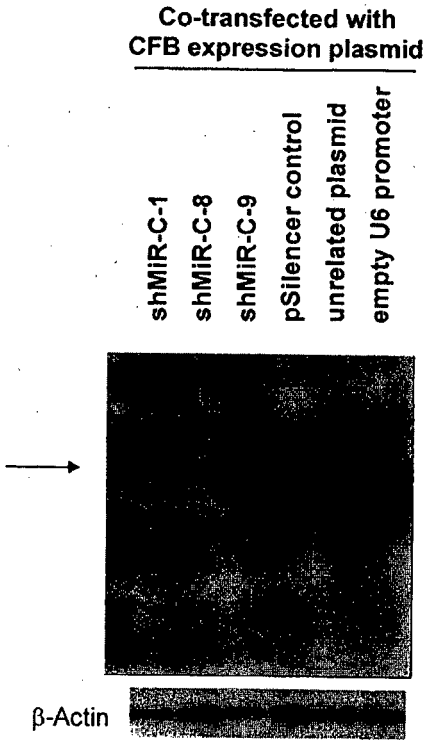

Co-transfected with
CFB expression plasmid
shMiR-C-1
shMiR-C-8
shMiR-C-9
pSilencer control
unrelated plasmid
empty U6 promoter
β-Actin

Figure 8

Figure 8A



Figure 8B



Figure 8C



Figure 8D



Figure 8E



Figure 9

Figure 9A

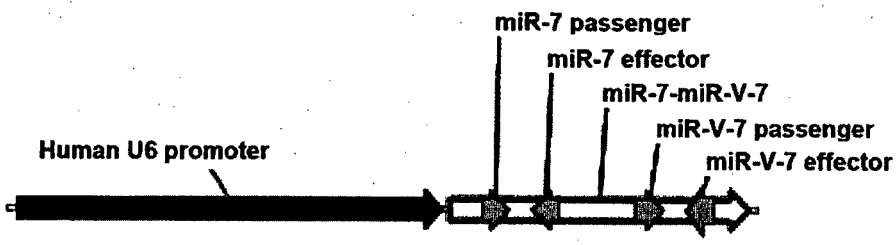


Figure 9B



Figure 9C



Figure 9D



Figure 9E

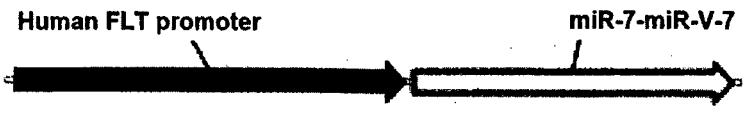


Figure 10

Figure 10A

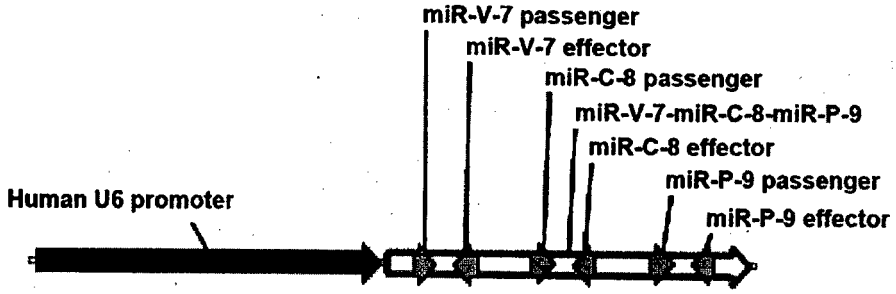


Figure 10B

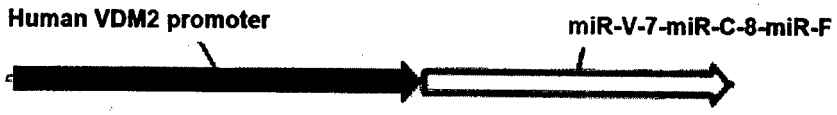


Figure 10C

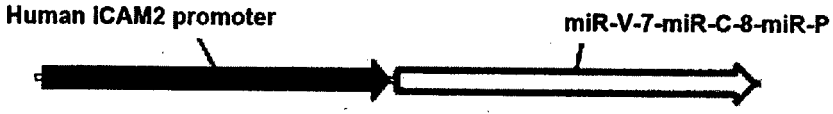


Figure 10D



Figure 10E



Figure 11

VEGF-A target

SEQ ID NO:1 AGCAAGAGCTCCAGAGAGAAG

SEQ ID NO:2 GGCCTCCGAAACCATGAACTT

SEQ ID NO:3 CGAGACCCTGGTGGACATCTT

SEQ ID NO:4 GCACATAGGAGAGATGAGCTT

SEQ ID NO:5 TGAATGCAGACCAAAGAAAGA

SEQ ID NO:6 CAGAACAGTCCTTAATCCAGA

SEQ ID NO:7 TCTGGGATTCCTGTAGACACA

SEQ ID NO:8 GTAGACACACCCACCCACATA

SEQ ID NO:9 GGTGCTACTGTTTATCCGTAA

SEQ ID NO:10 CGAGATATTCCGTAGTACATA

VEGFR2 target

SEQ ID NO:11 TTGGACTGGCTTTGGCCCAAT

SEQ ID NO:12 CCCAGCTACATGATCAGCTAT

SEQ ID NO:13 GCCATGTTCTTCTGGCTACTT

SEQ ID NO:14 CGGACCGTTAAGCGGGCCAAT

SEQ ID NO:15 TCATGGTGATTGTGGAATTCT

SEQ ID NO:16 CCTGACCTTGGAGCATCTCAT

SEQ ID NO:17 TGGAGCATCTCATCTGTTACA

SEQ ID NO:18 GGCTAAGGGCATGGAGTTCTT

SEQ ID NO:19 ACCAGAAATGTACCAGACCAT

SEQ ID NO:20 ACCCCAAATTCCATTATGACA

PDGFR-β target

SEQ ID NO:21 ACTCCAGGTGTCATCCATCAA

SEQ ID NO:22 AGGTGTCATCCATCAACGTCT

SEQ ID NO:23 CCATGAGTACATCTACGTGGA

SEQ ID NO:24 GGACCTCGTGGGCTTCAGCTA

SEQ ID NO:25 AGGCAAGCTGGTCAAGATCTG

SEQ ID NO:26 GGAGAGCATCTTCAACAGCCT

SEQ ID NO:27 GCATCTTCAACAGCCTCTACA

SEQ ID NO:28 CCCAGAGCTGCCCATGAACGA

SEQ ID NO:29 GCAGTTCTACAATGCCATCAA

SEQ ID NO:30 CCATGCCTCCGACGAGATCTA

CFB target

SEQ ID NO:31 CTGCCAAGACTCCTTCATGTA

SEQ ID NO:32 GAACATCTACCTGGTGCTAGA

SEQ ID NO:33 CCGCCATGTCATCATCCTCAT

SEQ ID NO:34 GGAGGATTATCTGGATGTCTA

SEQ ID NO:35 GCAACATGTGTTCAAAGTCAA

SEQ ID NO:36 CATGTGTTCAAAGTCAAGGAT

SEQ ID NO:37 CAGGATATCAAAGCTCTGTTT

SEQ ID NO:38 TCGGAAGGAGGTCTACATCAA

SEQ ID NO:39 GAGGATTTGGGTTTTCTATAA

VEGF-A effector

SEQ ID NO:40 CUUCUCUCUGGAGCUCUUGCU

SEQ ID NO:41 AAGUUCAUGGUUUCGGAGGCC

SEQ ID NO:42 AAGAUGUCCACCAGGGUCUCG

SEQ ID NO:43 AAGCUCAUCUCUCCUAUGUGC

SEQ ID NO:44 UCUUUCUUUGGUCUGCAUUCA

SEQ ID NO:45 UCUGGAUUAAGGACUGUUCUG

SEQ ID NO:46 UGUGUCUACAGGAAUCCCAGA

SEQ ID NO:47 UAUGUGGGUGGGUGUGUCUAC

SEQ ID NO:48 UUACGGAUAAACAGUAGCACC

SEQ ID NO:49 UAUGUACUACGGAAUAUCUCG

VEGFR2 effector

SEQ ID NO:50 AUUGGGCCAAAGCCAGUCCAA

SEQ ID NO:51 AUAGCUGAUCAUGUAGCUGGG

SEQ ID NO:52 AAGUAGCCAGAAGAACAUGGC

SEQ ID NO:53 AUUGGCCCGCUUAACGGUCCG

SEQ ID NO:54 AGAAUUCCACAAUCACCAUGA

SEQ ID NO:55 AUGAGAUGCUCCAAGGUCAGG

SEQ ID NO:56 UGUAACAGAUGAGAUGCUCCA

SEQ ID NO:57 AAGAACUCCAUGCCCUUAGCC

SEQ ID NO:58 AUGGUCUGGUACAUUUCUGGT

SEQ ID NO:59 UGUCAUAAUGGAAUUUGGGGT

PDGFR-β effector

SEQ ID NO:60 UUGAUGGAUGACACCUGGAGU

SEQ ID NO:61 AGACGUUGAUGGAUGACACCU

SEQ ID NO:62 UCCACGUAGAUGUACUCAUGG

SEQ ID NO:63 UAGCUGAAGCCCACGAGGUCC

SEQ ID NO:64 CAGAUCUUGACCAGCUUGCCU

SEQ ID NO:65 AGGCUGUUGAAGAUGCUCUCC

SEQ ID NO:66 UGUAGAGGCUGUUGAAGAUGC

SEQ ID NO:67 UCGUUCAUGGGCAGCUCUGGG

SEQ ID NO:68 UUGAUGGCAUUGUAGAACUGC

SEQ ID NO:69 UAGAUCUCGUCGGAGGCAUGG

CFB effector

SEQ ID NO:70 UACAUGAAGGAGUCUUGGCAG

SEQ ID NO:71 UCUAGCACCAGGUAGAUGUUC

SEQ ID NO:72 AUGAGGAUGAUGACAUGGCGG

SEQ ID NO:73 UAGACAUCCAGAUAAUCCUCC

SEQ ID NO:74 UUGACUUUGAACACAUGUUGC

SEQ ID NO:75 AUCCUUGACUUUGAACACAUG

SEQ ID NO:76 AAACAGAGCUUUGAUAUCCUG

SEQ ID NO:77 UUGAUGUAGACCUCCUUCCGA

SEQ ID NO:78 UUAUAGAAAACCCAAAUCCUC

SEQ ID NO:79 (Human VEGF-A)

TCGCGGAGGCTTGGGGCAGCCGGGTAGCTCGGAGGTCGTGGCGCTGGG
GGCTAGCACCAGCGCTCTGTCGGGAGGCGCAGCGGTTAGGTGGACCGGT
CAGCGGACTCACCGGCCAGGGCGCTCGGTGCTGGAATTTGATATTCATTG
ATCCGGGTTTTATCCCTCTTCTTTTTTCTTAAACATTTTTTTTTAAAACTGTAT
TGTTTCTCGTTTTAATTTATTTTTGCTTGCCATTCCCCACTTGAATCGGGCC
GACGGCTTGGGGAGATTGCTCTACTTCCCCAAATCACTGTGGATTTTGGAA
ACCAGCAGAAAGAGGAAAGAGGTAGCAAGAGCTCCAGAGAGAAGTCGAG
GAAGAGAGAGACGGGGTCAGAGAGAGCGCGCGGGCGTGCGAGCAGCGA

AAGCGACAGGGGCAAAGTGAGTGACCTGCTTTTGGGGGTGACCGCCGGA
GCGCGGCGTGAGCCCTCCCCCTTGGGATCCCGCAGCTGACCAGTCGCGC
TGACGGACAGACAGACAGACACCGCCCCCAGCCCCAGCTACCACCTCCT
CCCCGGCCGGCGGCGGACAGTGGACGCGGCGGCGAGCCGCGGGCAGG
GGCCGGAGCCCGCGCCCGGAGGCGGGGTGGAGGGGGTCGGGGCTCGC
GGCGTCGCACTGAAACTTTTCGTCCAACTTCTGGGCTGTTCTCGCTTCGGA
GGAGCCGTGGTCCGCGCGGGGGAAGCCGAGCCGAGCGGAGCCGCGAGA
AGTGCTAGCTCGGGCCGGGAGGAGCCGCAGCCGGAGGAGGGGGAGGAG
GAAGAAGAGAAGGAAGAGGAGAGGGGGCCGCAGTGGCGACTCGGCGCT
CGGAAGCCGGGCTCATGGACGGGTGAGGCGGCGGTGTGCGCAGACAGT
GCTCCAGCCGCGCGCGCTCCCCAGGCCCTGGCCCGGGCCTCGGGCCGG
GGAGGAAGAGTAGCTCGCCGAGGCGCCGAGGAGAGCGGGCCGCCCCAC
AGCCCGAGCCGGAGAGGGAGCGCGAGCCGCGCCGGCCCCGGTCGGGC
CTCCGAAACCATGAACTTTCTGCTGTCTTGGGTGCATTGGAGCCTTGCCTT
GCTGCTCTACCTCCACCATGCCAAGTGGTCCCAGGCTGCACCCATGGCAG
AAGGAGGAGGGCAGAATCATCACGAAGTGGTGAAGTTCATGGATGTCTAT
CAGCGCAGCTACTGCCATCCAATCGAGACCCTGGTGGACATCTTCCAGGA
GTACCCTGATGAGATCGAGTACATCTTCAAGCCATCCTGTGTGCCCCTGAT
GCGATGCGGGGGCTGCTGCAATGACGAGGGCCTGGAGTGTGTGCCCACT
GAGGAGTCCAACATCACCATGCAGATTATGCGGATCAAACCTCACCAAGG
CCAGCACATAGGAGAGATGAGCTTCCTACAGCACAACAAATGTGAATGCA
GACCAAAGAAAGATAGAGCAAGACAAGAAAAAAAATCAGTTCGAGGAAAG
GGAAAGGGGCAAAAACGAAAGCGCAAGAAATCCCGGTATAAGTCCTGGAG
CGTGTACGTTGGTGCCCGCTGCTGTCTAATGCCCTGGAGCCTCCCTGGCC
CCCATCCCTGTGGGCCTTGCTCAGAGCGGAGAAAGCATTTGTTTGTACAA
GATCCGCAGACGTGTAAATGTTCCTGCAAAAACACAGACTCGCGTTGCAA
GGCGAGGCAGCTTGAGTTAAACGAACGTACTTGCAGATGTGACAAGCCGA
GGCGGTGAGCCGGGCAGGAGGAAGGAGCCTCCCTCAGGGTTTCGGGAA
CCAGATCTCTCACCAGGAAAGACTGATACAGAACGATCGATACAGAAACCA
CGCTGCCGCCACCACACCATCACCATCGACAGAACAGTCCTTAATCCAGA
AACCTGAAATGAAGGAAGAGGAGACTCTGCGCAGAGCACTTTGGGTCCGG

AGGGCGAGACTCCGGCGGAAGCATTCCCGGGCGGGTGACCCAGCACGG
TCCCTCTTGGAATTGGATTCGCCATTTTATTTTTCTTGCTGCTAAATCACCG
AGCCCGGAAGATTAGAGAGTTTTATTTCTGGGATTCCTGTAGACACACCCA
CCCACATACATACATTTATATATATATATATTATATATATATATAAAAATAAATAT
CTCTATTTTATATATATAAAATATATATATTCTTTTTTTAAATTAACAGTGCTA
ATGTTATTGGTGTCTTCACTGGATGTATTTGACTGCTGTGGACTTGAGTTG
GGAGGGGAATGTTCCCACTCAGATCCTGACAGGGAAGAGGAGGAGATGA
GAGACTCTGGCATGATCTTTTTTTTGTCCCACTTGGTGGGGCCAGGGTCCT
CTCCCCTGCCCAGGAATGTGCAAGGCCAGGGCATGGGGGCAAATATGAC
CCAGTTTTGGGAACACCGACAAACCCAGCCCTGGCGCTGAGCCTCTCTAC
CCCAGGTCAGACGGACAGAAAGACAGATCACAGGTACAGGGATGAGGAC
ACCGGCTCTGACCAGGAGTTTGGGGAGCTTCAGGACATTGCTGTGCTTTG
GGGATTCCCTCCACATGCTGCACGCGCATCTCGCCCCCAGGGGCACTGC
CTGGAAGATTCAGGAGCCTGGGCGGCCTTCGCTTACTCTCACCTGCTTCT
GAGTTGCCCAGGAGACCACTGGCAGATGTCCCGGCGAAGAGAAGAGACA
CATTGTTGGAAGAAGCAGCCCATGACAGCTCCCCTTCCTGGGACTCGCCC
TCATCCTCTTCCTGCTCCCCTTCCTGGGGTGCAGCCTAAAAGGACCTATGT
CCTCACACCATTGAAACCACTAGTTCTGTCCCCCCAGGAGACCTGGTTGT
GTGTGTGTGAGTGGTTGACCTTCCTCCATCCCCTGGTCCTTCCCTTCCCTT
CCCGAGGCACAGAGAGACAGGGCAGGATCCACGTGCCCATTGTGGAGGC
AGAGAAAAGAGAAAGTGTTTTATATACGGTACTTATTTAATATCCCTTTTTAA
TTAGAAATTAAAACAGTTAATTTAATTAAAGAGTAGGGTTTTTTTTCAGTATT
CTTGGTTAATATTTAATTTCAACTATTTATGAGATGTATCTTTTGCTCTCTCT
TGCTCTCTTATTTGTACCGGTTTTTGTATATAAAATTCATGTTTCCAATCTCT
CTCTCCCTGATCGGTGACAGTCACTAGCTTATCTTGAACAGATATTTAATTT
TGCTAACACTCAGCTCTGCCCTCCCCGATCCCCTGGCTCCCCAGCACACA
TTCCTTTGAAATAAGGTTTCAATATACATCTACATACTATATATATATTTGGC
AACTTGTATTTGTGTGTATATATATATATATATGTTTATGTATATATGTGATT
CTGATAAAATAGACATTGCTATTCTGTTTTTTATATGTAAAAACAAAACAAGA
AAAAATAGAGAATTCTACATACTAAATCTCTCTCCTTTTTTAATTTTAATATTT
GTTATCATTTATTTATTGGTGCTACTGTTTATCCGTAATAATTGTGGGGAAA

AGATATTAACATCACGTCTTTGTCTCTAGTGCAGTTTTTCGAGATATTCCGT
AGTACATATTTATTTTTAAACAACGACAAAGAAATACAGATATATCTTAAAAA
AAAAAAAGCATTTTGTATTAAAGAATTTAATTCTGATCTCAAAAAAAAAAAAA
AAAAA

SEQ ID NO:80 (mouse VEGF-A)

AGCGCAGAGGCTTGGGGCAGCCGAGCTGCAGCGAGGCCGCGGCACTGG
GGGCGAGCTGAGCGGCGGCAGCGGAGCTCTGTCGCGAGACGCAGCGAC
AAGGCAGACTATTCAGCGGACTCACCAGCCCGGGAGTCTGTGCTCTGGGA
TTTGATATTCAAACCTCTTAATTTTTTTTTCTTAAACTGTATTGTTTTACGCTT
TAATTTATTTTTGCTTCCTATTCCCCTCTTAAATCGTGCCAACGGTTTGAGG
AGGTTGGTTCTTCACTCCCTCAAATCACTTCGGATTGTGGAAATCAGCAGA
CGAAAGAGGTATCAAGAGCTCCAGAGAGAAGTCAAGGAAGAGAGAGAGA
GACCGGTCAGAGAGAGCGCGCTGGCGAGCGAACAGAGAGAGGGACAGG
GGCAAAGTGACTGACCTGCTTTTGGGGGTGACCGCCAGAGCGCGGCGTG
AGCCCTCCCCCTTGGGATCTTGCATCGGACCAGTCGCGCTGACGGACAGA
CAGACAGACACCGCCCCCAGCCCCAGCGCCCACCTCCTCGCCGGCGGGC
TGCCGACGGTGGACGCGGCGGCGAGCCGCGAGGAACCGAAGCCCGCGC
CCGGAGGCGGGGTGGAGGGGGTCGGGGCTCGCGGGATTGCACGGAAAC
TTTTCGTCCAACTTCTGGGCTCTTCTCGCTCCGTAGTAGCCGTGGTCTGCG
CCGCAGGAGACAAACCGATCGGAGCTGGGAGAAGTGCTAGCTCGGGCCT
GGAGAAGCCGGGGCCCGAGAAGAGAGGGGAGGAAGAGAAGGAAGAGGA
GAGGGGGCCGCAGTGGGCGCTCGGCTCTCAGGAGCCGAGCTCATGGAC
GGGTGAGGCGGCCGTGTGCGCAGACAGTGCTCCAGCCGCGCGCGCGCC
CCAGGCCCCGGCCCGGGCCTCGGTTCCAGAAGGGAGAGGAGCCCGCCA
AGGCGCGCAAGAGAGCGGGCTGCCTCGCAGTCCGAGCCGGAGAGGGAG
CGCGAGCCGCGCCGGCCCCGGACGGGCCTCCGAAACCATGAACTTTCTG
CTCTCTTGGGTGCACTGGACCCTGGCTTTACTGCTGTACCTCCACCATGC
CAAGTGGTCCCAGGCTGCACCCACGACAGAAGGAGAGCAGAAGTCCCAT
GAAGTGATCAAGTTCATGGATGTCTACCAGCGAAGCTACTGCCGTCCGATT
GAGACCCTGGTGGACATCTTCCAGGAGTACCCCGACGAGATAGAGTACAT

CTTCAAGCCGTCCTGTGTGCCGCTGATGCGCTGTGCAGGCTGCTGTAACG
ATGAAGCCCTGGAGTGCGTGCCCACGTCAGAGAGCAACATCACCATGCAG
ATCATGCGGATCAAACCTCACCAAAGCCAGCACATAGGAGAGATGAGCTT
CCTACAGCACAGCAGATGTGAATGCAGACCAAAGAAAGACAGAACAAAGC
CAGAAAAAAAATCAGTTCGAGGAAAGGGAAAGGGTCAAAAACGAAAGCGC
AAGAAATCCCGGTTTAAATCCTGGAGCGTTCACTGTGAGCCTTGTTCAGAG
CGGAGAAAGCATTTGTTTGTCCAAGATCCGCAGACGTGTAAATGTTCCTGC
AAAAACACAGACTCGCGTTGCAAGGCGAGGCAGCTTGAGTTAAACGAACG
TACTTGCAGATGTGACAAGCCAAGGCGGTGAGCCAGGCTGCAGGAAGGA
GCCTCCCTCAGGGTTTCGGGAACCAGACCTCTCACCGGAAAGACCGATTA
ACCATGTCACCACCACGCCATCATCGTCACCGTTGACAGAACAGTCCTTAA
TCCAGAAAGCCTGACATGAAGGAAGAGGAGACTCTTCGAGGAGCACTTTG
GGTCCGGAGGGCGAGACTCCGGCAGACGCATTCCCGGGCAGGTGACCAA
GCACGGTCCCTCGTGGGACTGGATTCGCCATTTTCTTATATCTGCTGCTAA
ATCGCCAAGCCCGGAAGATTAGGGTTGTTTCTGGGATTCCTGTAGACACA
CCCACCCACATACACACATATATATATATTATATATATATAAATAAATATATATG
TTTTATATATAAAATATATATATATTCTTTTTTTTAAATTAACTCTGCTAATGT
TATTGGTGTCTTCACTGGATATGTTTGACTGCTGTGGACTTGTGTTGGGAG
GAGGATGTCCTCACTCGGATGCCGACACGGGAGACAATGGGATGAAAGG
CTTCAGTGTGGTCTGAGAGAGGCCGAAGTCCTTTTGCCTGCCGGGGAGCA
AGCAAGGCCAGGGCACGGGGGCACATTGGCTCACTTCCAGAAACACGAC
AAACCCATTCCTGGCCCTGAGTCAAGAGGACAGAGAGACAGATGATGACA
GAGAAAGAGATAAAGATGCCGGTTCCAACCAGAAGTTTGGGGAGCCTCAG
GACATGGCATGCTTTGTGGATCCCCATGATAGTCTACAAAAGCACCCCGC
CCCTCTGGGCACTGCCTGGAAGAATCGGGAGCCTGGCCAGCCTTCAGCT
CGCTCCTCCACTTCTGAGGGGCCTAGGAGGCCTCCCACAGGTGTCCCGG
CAAGAGAAGACACGGTGGTGGAAGAAGAGGCCTGGTAATGGCCCCTCCT
CCTGGGACCCCTTCGTCCTCTCCTTACCCCACCTCCTGGGTACAGCCCAG
GAGGACCTTGTGTGATCAGACCATTGAAACCACTAATTCTGTCCCCAGGAG
ACTTGGCTGTGTGTGTGAGTGGCTTACCCTTCCTCATCTTCCCTTCCCAAG
GCACAGAGCAATGGGGCAGGACCCGCAAGCCCCTCACGGAGGCAGAGAA

AAGAGAAAGTGTTTTATATACGGTACTTATTTAATAGCCCTTTTTAATTAGAA
ATTAAAACAGTTAATTTAATTAAAGAGTAGGGTTTTTTTCAGTATTCTTGGTT
AATATTTAATTTCAACTATTTATGAGATGTATCTCTCGCTCTCTCTTATTTGT
ACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATG
AAATCTGTGTTTCCAATCTCTCTCTCCCAGATCGGTGACAGTCACTAGCTT
GTCCTGAGAAGATATTTAATTTTGCTAACACTCAGCTCTGCCCTCCCTTGTC
CCCACCACACATTCCTTTGAAATAAGGTTTCAATATACATTTACATACTATAT
ATATATTTGGCAACTTGTGTTTGTATATAAATATATATATATATATATGTTT
ATGTATATATGTGATTCTGATAAAATAGACATTGCTATTCTGTTTTTTATATG
TAAAAACAAAACAAGAAAAATAGAGAATTCTACATACTAAATCTCTCTCCTT
TTTTAATTTTAATATTTGTTATCATTTATTTATTGGTGCTACTGTTTATCCGTA
ATAATTGTGGGGGAAAAAGATATTAACATCACGTCTTTGTCTCTAGAGCAG
TTTTCCGAGATATTCCGTAGTACATATTTATTTTTAAACAGCAACAAAGAAAT
ACAGATATATCTTAAAAAAAAAAGCATTTTGTATTAAAGAATTGAATTCTGAT
CTCAAAAAAAAAAAAAAAAAA

SEQ ID NO:81 (macaque VEGF-A)

ATGAACTATGAGTCCCATATTGTGCTGAGGAGGGGTCTGTGGCCTGAGAG
GGGAAGGGCCCTGGCCTCTGCCGCCCTGGAAGGCAACATCATAGCCAGG
AATGGAGCCTGCTGCTCCTACTCCTTAACCGGTGCTCACCCCAGGCCTGG
CTGTGCCTGGAAGGCCTTGTTTCCATCCTGGGCCTTCACTTGCCTTCCCC
CTGCTTATTCCTGGGCCTCCAAAAAGCTTCTCTGTGCCCCAAGCTCTCCTC
TTCCAGGAAGTCTTCCTTTCCTGTTTGAGAAGGGGCTCCCTAACCTGCACC
CAGCCAGGCCAGCGGAACAGCCCCTGTCCACCTCCTACCTTCCTCTTGGG
CAGCTTCAAGGAGCCTGGAGGCTGCCCCTGCCAGCCCTGGGGAACTGTG
GCCCCGTTCTCGAGAGCCAGACATCCCTGAGGAGCTTTAGGACAGGAGA
GGAGGAAGTAGGCTATGCCAGCTGTAGACCAGACCCTGGCAAGATCCGG
GTGGACAATCAGACTGACTGGTCCCACTCTTCCCACAGGCATCAGAACCC
CAACTTTGTTCCCTGGAGCAGCCTGGAAATAGCCGGGTCAGAACCCAGTC
AGGAATTTTTCCAAGCTGGTTCCTATAGGCAAGAATGGGATAGGGGCCTTT
GGGAGCACTTCGGGAAGATGTGGAGAGTTGGAGGAAAAGGCAGCTTGGA

GATTGCTTTACTTCCCCAAATCACTGTGGATTTTGGAAACCAGCAGAAAGA
GGAAAGAGGTAGCAAGAGCTCCAGAGAGAAGTCGAGGAAGAGAGAGACG
GGGTCAGAGAGAGCGCGCGGGCGTGCGAGCAGCGAGAGGGACAGGGGC
AAAGTGAGTGACCTGCTTTTGGGGGTGACCGCCGGAGCGCGGCGTGAGC
CCTCCCCCTTGGGATCCCGCAGCGGACCAGTAGCGCTGACGGACAGACA
GACAGACACCGCCCCCAGCCCCAGCGCCCACCTCCTCCCCGGCCGGCG
GCCGACAGTGGACGCGGCGGCGAGCCGCGGGCAGGGGCCGGAGCCCG
CGCCCGGAGGCGGGGTGGAGGGGGTCGGGGCTCGCGGCGTCGCACTGA
AACTTTTCGTCCAACTTCTGGGCTGTTCTCGCTTCGGAGGAGCCGTGGTC
CGCGCCGGGGAAGCCGAGCCGAGCGGAGCCGCGAGAAGTGCTAGCTCG
GGCCGGGAGGAGCCGCAGCCGGAGGAGGGGGAGGAGGAAGAAGAGAAG
GAAGAAGAGAGGGGGCCGCGGTGGCGACTCGGCGCTTGGAAGCCGGGC
TCATGGACGGGTGAGGCGGCGGTGTGCGCAGACAGTGCTCCAGCCGCGC
GCGCGCCCCAGGCCCTGGCCCGGGCCTCGGCCCGGGGAGGAAGAGGAG
CTCGCCGAGGCGCCGAAGAGAGCGGGCCGCCCCACAGCCCGAGCCGGA
GAGGGAGCGCGAGCCGCGCCGGCCCCGGTCGGGCCTCCGAAACCATGA
ACTTTCTGCTCTCTTGGGTGCATTGGAGCCTTGCCTTGCTGCTGTACCTCC
ACCATGCCAAGTGGTCCCAGGCTGCACCCATGGCAGAAGGAGGAGGGCA
GAATCATCACGAAGTGGTGAAGTTCATGGATGTCTATCAGCGCAGCTACTG
CCATCCAATCGAGACCCTGGTGGACATCTTCCAGGAGTACCCTGATGAGA
TTGAGTACATCTTCAAGCCATCCTGTGTGCCCCTGATGCGATGTGGGGGC
TGCTGCAATGACGAGGGCCTGGAGTGTGTGCCCACTGAGGAGTCCAACAT
CACCATGCAGATTATGCGGATCAAACCTCACCAAGGCCAGCACATAGGAG
AGATGAGCTTCCTACAGCACAACAAATGTGAATGCAGACCAAAGAAAGATA
GAGCAAGACAAGAAAAAAAATCAGTTCGAGGAAAGGGAAAGGGGCAAAAA
CGAAAGCGCAAGAAATCCCGGTATAAGTCCTGGAGCGTGTACGTTGGTGC
CCGCTGCTGTCTAATTCCCTGGAGCCTCCCTGGCCCCCATCCCTGTGGGC
CTTGCTCAGAGCGGAGAAAGCATTTGTTTGTACAAGATCCGCAGACGTGTA
AATGTTCCTGCAAAAACACAGACTCGCGTTGCAAGGCGAGGCAGCTTGAG
TTAAACGAACGTACTTGCAGATGTGACAAGCCGAGGCGGTGAGCCGGGCA
GGAGGAAGGAGCCTCCCTCAGGGTTTCGGGAACCAGATCTCTCACCAGG

AAAGACAGATACAGAACGATCGATACAGAAACCACGCTGCCGCCACCACA
CCATCACCATCGACAGAACAGTCCTTAATCCAGAAGCCTGAAATGAAGGAA
GAGGAGACTCTGCGCAGAGCACTTTGGGTCCGGAGGGCGAGACTCCGGC
AGAAGCATTCCCGGGCGGGTGACCCAGCATGGTCCCTCTTGGAATTGGAT
TCGCCATTTTATTTTTCTTGCTGCTAAATCACCGAGCCCGGAAGATTAGAG
AGTTTTATTTCTGGGATTCCTGTAGACACACCCACCCACATACATACATTTA
TATATATATATATATTATATATATATAAAAATAAATATCTATATTTTATATATATAA
AATATATATATTCTTTTTTTAAATTAACAGTGCTAATGTTATTGGTGTCTTCA
CTGGATGTATTTGACTGCTGTGGACTTGAGTTGGGAGGGGGAATGTTCCC
ACTCAGATCCTGACAGGGAAGAGGAGGAGATGAGAGACTCTGGCATGATC
TTTTTTTTTGTCCCACTTGGTGGGGCCAGGGTCCCCTCCCCTGCCCAGGA
ACGTGCAAGGCCAGGGTATGGGGGCAAATATGACCCACTTTTGGGAACAC
CGACAAACCCAGCCCTGGCACCGAGCCTCTACCCCGGGTCAGATGGACA
GAAAGACAGATGACAGGTACAGGGACGAGGACACTGGCTCTGACTAGGA
GTTTGGGGAGCTTCAGGACATTGCTGTGCTTTGGGGATTCCCTCCACATG
CTGCATGCGCATCTTGCCCCCAGGGGCAGCGCCTGGAAGATTCAGGAGC
CTGGGCGGCCTTCACTTACTCTCACCTGCTTCTGAGTTGCCCAGGAGGCC
ACTGGCAGATGGCCCGGCGAAGAGAAGAGACACATTGTTGGAAGAAGCA
GCTCATGACAGCTCCCCTTCCTGGGATTCACCCTCGTCCTCTTCCTGCTCC
CCTTCCTGGGGTGTAGCCTAAAAGGACCTGATGTCCTCACACCATTGAAAC
CACTAGTTCTGTCCCCCCAGGAGACCTGGTTGTGTGTGTGTGAGTGGTTG
ACCTTCCTCCATCCCCTGGTCCTTCCCTTCCCTTCCCGAGGCACAGAGAG
ACAGGGCAGGATCCACGTGCCCACTGTGGAGGCAGAGAAAAGAGAAAGT
GTTTTATATACGGTACTTATTTAATATCCCTTTTTAATTAGAAATTAAAACAG
TTAATTTAATTAAAAAGTAGGGTTTTTTTCAGTATTCTTGGTTAATATTTAATT
TCAACTATTTATGAGATGTATCTTTTGCTCTCTCTCGCTCTCTTATTTGTACC
GGTTTTTGTATATAAAATTCATGTTTCCAATCTCTCTCTCCCTGATCGGTGA
CAGTCACTAGCTTATCTTGAACAGATATTTAATTTTGCTAACACTTAGCTCT
GCCCTCCCCGTTCCCCTGGCTCCCCAGCACACATTCCTTTGAAATAAGGTT
TCAATATACATCTACATACTATATATATATTTGGCAACTTGTATTTGTGTGTA
TATATATATATATGTTTATGTATATATGTGATTCTGATAAAATAGACATTGCT

ATTCTGTTTTTTATATGTAAAAACAAAACAAGAAAAAATAGAGAATTCTACAT
ACTAAATCTCTCTCCTTTTTTAATTTTAATATTTGTTATCATTTATTTATTGGT
GCTACTGTTTATCCGTAATAATTGTGGGGAAAAGATATTAACATCACGTCTT
TGTCTCTAGTGCAGTTTTTTGAGATATTCCGTAGTACATATTTATTTTTAAAC
AACAACAAAGAAATACAGATATATCTTAAAAAAAAAAGGATTTTGTATTAAA
GAATTTAATTCTGATCTCAAA

SEQ ID NO:82 (Human VEGFR2)

ACTGAGTCCCGGGACCCCGGGAGAGCGGTCAATGTGTGGTCGCTGCGTT
TCCTCTGCCTGCGCCGGGCATCACTTGCGCGCCGCAGAAAGTCCGTCTG
GCAGCCTGGATATCCTCTCCTACCGGCACCCGCAGACGCCCCTGCAGCC
GCGGTCGGCGCCCGGGCTCCCTAGCCCTGTGCGCTCAACTGTCCTGCGC
TGCGGGGTGCCGCGAGTTCCACCTCCGCGCCTCCTTCTCTAGACAGGCG
CTGGGAGAAAGAACCGGCTCCCGAGTTCTGGGCATTTCGCCCGGCTCGA
GGTGCAGGATGCAGAGCAAGGTGCTGCTGGCCGTCGCCCTGTGGCTCTG
CGTGGAGACCCGGGCCGCCTCTGTGGGTTTGCCTAGTGTTTCTCTTGATC
TGCCCAGGCTCAGCATACAAAAAGACATACTTACAATTAAGGCTAATACAA
CTCTTCAAATTACTTGCAGGGGACAGAGGGACTTGGACTGGCTTTGGCCC
AATAATCAGAGTGGCAGTGAGCAAAGGGTGGAGGTGACTGAGTGCAGCG
ATGGCCTCTTCTGTAAGACACTCACAATTCCAAAAGTGATCGGAAATGACA
CTGGAGCCTACAAGTGCTTCTACCGGGAAACTGACTTGGCCTCGGTCATT
TATGTCTATGTTCAAGATTACAGATCTCCATTTATTGCTTCTGTTAGTGACC
AACATGGAGTCGTGTACATTACTGAGAACAAAAACAAAACTGTGGTGATTC
CATGTCTCGGGTCCATTTCAAATCTCAACGTGTCACTTTGTGCAAGATACC
CAGAAAAGAGATTTGTTCCTGATGGTAACAGAATTTCCTGGGACAGCAAGA
AGGGCTTTACTATTCCCAGCTACATGATCAGCTATGCTGGCATGGTCTTCT
GTGAAGCAAAAATTAATGATGAAAGTTACCAGTCTATTATGTACATAGTTGT
CGTTGTAGGGTATAGGATTTATGATGTGGTTCTGAGTCCGTCTCATGGAAT
TGAACTATCTGTTGGAGAAAAGCTTGTCTTAAATTGTACAGCAAGAACTGA
ACTAAATGTGGGGATTGACTTCAACTGGGAATACCCTTCTTCGAAGCATCA
GCATAAGAAACTTGTAAACCGAGACCTAAAAACCCAGTCTGGGAGTGAGAT

GAAGAAATTTTTGAGCACCTTAACTATAGATGGTGTAACCCGGAGTGACCA
AGGATTGTACACCTGTGCAGCATCCAGTGGGCTGATGACCAAGAAGAACA
GCACATTTGTCAGGGTCCATGAAAAACCTTTTGTTGCTTTTGGAAGTGGCA
TGGAATCTCTGGTGGAAGCCACGGTGGGGGAGCGTGTCAGAATCCCTGC
GAAGTACCTTGGTTACCCACCCCCAGAAATAAAATGGTATAAAAATGGAAT
ACCCCTTGAGTCCAATCACACAATTAAAGCGGGGCATGTACTGACGATTAT
GGAAGTGAGTGAAAGAGACACAGGAAATTACACTGTCATCCTTACCAATCC
CATTTCAAAGGAGAAGCAGAGCCATGTGGTCTCTCTGGTTGTGTATGTCCC
ACCCCAGATTGGTGAGAAATCTCTAATCTCTCCTGTGGATTCCTACCAGTA
CGGCACCACTCAAACGCTGACATGTACGGTCTATGCCATTCCTCCCCCGC
ATCACATCCACTGGTATTGGCAGTTGGAGGAAGAGTGCGCCAACGAGCCC
AGCCAAGCTGTCTCAGTGACAAACCCATACCCTTGTGAAGAATGGAGAAG
TGTGGAGGACTTCCAGGGAGGAAATAAAATTGAAGTTAATAAAAATCAATT
TGCTCTAATTGAAGGAAAAAACAAAACTGTAAGTACCCTTGTTATCCAAGC
GGCAAATGTGTCAGCTTTGTACAAATGTGAAGCGGTCAACAAAGTCGGGA
GAGGAGAGAGGGTGATCTCCTTCCACGTGACCAGGGGTCCTGAAATTACT
TTGCAACCTGACATGCAGCCCACTGAGCAGGAGAGCGTGTCTTTGTGGTG
CACTGCAGACAGATCTACGTTTGAGAACCTCACATGGTACAAGCTTGGCC
CACAGCCTCTGCCAATCCATGTGGGAGAGTTGCCCACACCTGTTTGCAAG
AACTTGGATACTCTTTGGAAATTGAATGCCACCATGTTCTCTAATAGCACAA
ATGACATTTTGATCATGGAGCTTAAGAATGCATCCTTGCAGGACCAAGGAG
ACTATGTCTGCCTTGCTCAAGACAGGAAGACCAAGAAAAGACATTGCGTG
GTCAGGCAGCTCACAGTCCTAGAGCGTGTGGCACCCACGATCACAGGAAA
CCTGGAGAATCAGACGACAAGTATTGGGGAAAGCATCGAAGTCTCATGCA
CGGCATCTGGGAATCCCCCTCCACAGATCATGTGGTTTAAAGATAATGAGA
CCCTTGTAGAAGACTCAGGCATTGTATTGAAGGATGGGAACCGGAACCTC
ACTATCCGCAGAGTGAGGAAGGAGGACGAAGGCCTCTACACCTGCCAGG
CATGCAGTGTTCTTGGCTGTGCAAAAGTGGAGGCATTTTTCATAATAGAAG
GTGCCCAGGAAAAGACGAACTTGGAAATCATTATTCTAGTAGGCACGGCG
GTGATTGCCATGTTCTTCTGGCTACTTCTTGTCATCATCCTACGGACCGTT
AAGCGGGCCAATGGAGGGGAACTGAAGACAGGCTACTTGTCCATCGTCAT

GGATCCAGATGAACTCCCATTGGATGAACATTGTGAACGACTGCCTTATGA
TGCCAGCAAATGGGAATTCCCCAGAGACCGGCTGAAGCTAGGTAAGCCTC
TTGGCCGTGGTGCCTTTGGCCAAGTGATTGAAGCAGATGCCTTTGGAATT
GACAAGACAGCAACTTGCAGGACAGTAGCAGTCAAAATGTTGAAAGAAGG
AGCAACACACAGTGAGCATCGAGCTCTCATGTCTGAACTCAAGATCCTCAT
TCATATTGGTCACCATCTCAATGTGGTCAACCTTCTAGGTGCCTGTACCAA
GCCAGGAGGGCCACTCATGGTGATTGTGGAATTCTGCAAATTTGGAAACC
TGTCCACTTACCTGAGGAGCAAGAGAAATGAATTTGTCCCCTACAAGACCA
AAGGGGCACGATTCCGTCAAGGGAAAGACTACGTTGGAGCAATCCCTGTG
GATCTGAAACGGCGCTTGGACAGCATCACCAGTAGCCAGAGCTCAGCCAG
CTCTGGATTTGTGGAGGAGAAGTCCCTCAGTGATGTAGAAGAAGAGGAAG
CTCCTGAAGATCTGTATAAGGACTTCCTGACCTTGGAGCATCTCATCTGTT
ACAGCTTCCAAGTGGCTAAGGGCATGGAGTTCTTGGCATCGCGAAAGTGT
ATCCACAGGGACCTGGCGGCACGAAATATCCTCTTATCGGAGAAGAACGT
GGTTAAAATCTGTGACTTTGGCTTGGCCCGGGATATTTATAAAGATCCAGA
TTATGTCAGAAAAGGAGATGCTCGCCTCCCTTTGAAATGGATGGCCCCAG
AAACAATTTTTGACAGAGTGTACACAATCCAGAGTGACGTCTGGTCTTTTG
GTGTTTTGCTGTGGGAAATATTTTCCTTAGGTGCTTCTCCATATCCTGGGG
TAAAGATTGATGAAGAATTTTGTAGGCGATTGAAAGAAGGAACTAGAATGA
GGGCCCCTGATTATACTACACCAGAAATGTACCAGACCATGCTGGACTGC
TGGCACGGGGAGCCCAGTCAGAGACCCACGTTTTCAGAGTTGGTGGAACA
TTTGGGAAATCTCTTGCAAGCTAATGCTCAGCAGGATGGCAAAGACTACAT
TGTTCTTCCGATATCAGAGACTTTGAGCATGGAAGAGGATTCTGGACTCTC
TCTGCCTACCTCACCTGTTTCCTGTATGGAGGAGGAGGAAGTATGTGACC
CCAAATTCCATTATGACAACACAGCAGGAATCAGTCAGTATCTGCAGAACA
GTAAGCGAAAGAGCCGGCCTGTGAGTGTAAAAACATTTGAAGATATCCCG
TTAGAAGAACCAGAAGTAAAAGTAATCCCAGATGACAACCAGACGGACAGT
GGTATGGTTCTTGCCTCAGAAGAGCTGAAAACTTTGGAAGACAGAACCAAA
TTATCTCCATCTTTTGGTGGAATGGTGCCCAGCAAAAGCAGGGAGTCTGTG
GCATCTGAAGGCTCAAACCAGACAAGCGGCTACCAGTCCGGATATCACTC
CGATGACACAGACACCACCGTGTACTCCAGTGAGGAAGCAGAACTTTTAA

AGCTGATAGAGATTGGAGTGCAAACCGGTAGCACAGCCCAGATTCTCCAG
CCTGACTCGGGGACCACACTGAGCTCTCCTCCTGTTTAAAAGGAAGCATC
CACACCCCCAACTCCTGGACATCACATGAGAGGTGCTGCTCAGATTTTCAA
GTGTTGTTCTTTCCACCAGCAGGAAGTAGCCGCATTTGATTTTCATTTCGA
CAACAGAAAAAGGACCTCGGACTGCAGGGAGCCAGTCTTCTAGGCATATC
CTGGAAGAGGCTTGTGACCCAAGAATGTGTCTGTGTCTTCTCCCAGTGTTG
ACCTGATCCTCTTTTTCATTCATTTAAAAAGCATTTATCATGCCCCCTGCTG
CGGGTCTCACCATGGGTTTAGAACAAAGACGTTCAAGAAATGGCCCCATC
CTCAAAGAAGTAGCAGTACCTGGGGAGCTGACACTTCTGTAAAACTAGAA
GATAAACCAGGCAATGTAAGTGTTCGAGGTGTTGAAGATGGGAAGGATTT
GCAGGGCTGAGTCTATCCAAGAGGCTTTGTTTAGGACGTGGGTCCCAAGC
CAAGCCTTAAGTGTGGAATTCGGATTGATAGAAAGGAAGACTAACGTTACC
TTGCTTTGGAGAGTACTGGAGCCTGCAAATGCATTGTGTTTGCTCTGGTGG
AGGTGGGCATGGGGTCTGTTCTGAAATGTAAAGGGTTCAGACGGGGTTTC
TGGTTTTAGAAGGTTGCGTGTTCTTCGAGTTGGGCTAAAGTAGAGTTCGTT
GTGCTGTTTCTGACTCCTAATGAGAGTTCCTTCCAGACCGTTACGTGTCTC
CTGGCCAAGCCCCAGGAAGGAAATGATGCAGCTCTGGCTCCTTGTCTCCC
AGGCTGATCCTTTATTCAGAATACCACAAAGAAAGGACATTCAGCTCAAGG
CTCCCTGCCGTGTTGAAGAGTTCTGACTGCACAAACCAGCTTCTGGTTTCT
TCTGGAATGAATACCCTCATATCTGTCCTGATGTGATATGTCTGAGACTGA
ATGCGGGAGGTTCAATGTGAAGCTGTGTGTGGTGTCAAAGTTTCAGGAAG
GATTTTACCCTTTTGTTCTTCCCCCTGTCCCCAACCCACTCTCACCCCGCA
ACCCATCAGTATTTTAGTTATTTGGCCTCTACTCCAGTAAACCTGATTGGGT
TTGTTCACTCTCTGAATGATTATTAGCCAGACTTCAAAATTATTTTATAGCC
CAAATTATAACATCTATTGTATTATTTAGACTTTTAACATATAGAGCTATTTC
TACTGATTTTTGCCCTTGTTCTGTCCTTTTTTTCAAAAAAGAAAATGTGTTTT
TTGTTTGGTACCATAGTGTGAAATGCTGGGAACAATGACTATAAGACATGC
TATGGCACATATATTTATAGTCTGTTTATGTAGAAACAAATGTAATATATTAA
AGCCTTATATATAATGAACTTTGTACTATTCACATTTTGTATCAGTATTATGT
AGCATAACAAAGGTCATAATGCTTTCAGCAATTGATGTCATTTTATTAAAGA
ACATTGAAAAACTTGAAGGAATCCCTTTGCAAGGTTGCATTACTGTACCCA

TCATTTCTAAAATGGAAGAGGGGGTGGCTGGGCACAGTGGCCGACACCTA
AAAACCCAGCACTTTGGGGGGCCAAGGTGGGAGGATCGCTTGAGCCCAG
GAGTTCAAGACCAGTCTGGCCAACATGGTCAGATTCCATCTCAAAGAAAAA
AGGTAAAAATAAAATAAAATGGAGAAGAAGGAATCAGA

SEQ ID NO:83 (mouse VEGFR2)

CTGTGTTTCCTTAGATCGCGCGGACCGCTACCCGGCAGGACTGAAAGCCC
AGACTGTGTCCCGCAGCCGGGATAACCTGGCTGACCCGATTCCGCGGAC
ACCGCTGCAGCCGCGGCTGGAGCCAGGGCGCCGGTGCCCCGCGCTCTC
CCCGGTCTTGCGCTGCGGGGGCGCATACCGCCTCTGTGACTTCTTTGCG
GGCCAGGGACGGAGAAGGAGTCTGTGCCTGAGAACTGGGCTCTGTGCCC
AGCGCGAGGTGCAGGATGGAGAGCAAGGCGCTGCTAGCTGTCGCTCTGT
GGTTCTGCGTGGAGACCCGAGCCGCCTCTGTGGGTTTGCCTGGCGATTTT
CTCCATCCCCCCAAGCTCAGCACACAGAAAGACATACTGACAATTTTGGCA
AATACAACCCTTCAGATTACTTGCAGGGGACAGCGGGACCTGGACTGGCT
TTGGCCCAATGCTCAGCGTGATTCTGAGGAAAGGGTATTGGTGACTGAAT
GCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCATTCCCAGGGTG
GTTGGAAATGATACTGGAGCCTACAAGTGCTCGTACCGGGACGTCGACAT
AGCCTCCACTGTTTATGTCTATGTTCGAGATTACAGATCACCATTCATCGC
CTCTGTCAGTGACCAGCATGGCATCGTGTACATCACCGAGAACAAGAACA
AAACTGTGGTGATCCCCTGCCGAGGGTCGATTTCAAACCTCAATGTGTCTC
TTTGCGCTAGGTATCCAGAAAAGAGATTTGTTCCGGATGGAAACAGAATTT
CCTGGGACAGCGAGATAGGCTTTACTCTCCCCAGTTACATGATCAGCTATG
CCGGCATGGTCTTCTGTGAGGCAAAGATCAATGATGAAACCTATCAGTCTA
TCATGTACATAGTTGTGGTTGTAGGATATAGGATTTATGATGTGATTCTGAG
CCCCCCGCATGAAATTGAGCTATCTGCCGGAGAAAAACTTGTCTTAAATTG
TACAGCGAGAACAGAGCTCAATGTGGGGCTTGATTTCACCTGGCACTCTC
CACCTTCAAAGTCTCATCATAAGAAGATTGTAAACCGGGATGTGAAACCCT
TTCCTGGGACTGTGGCGAAGATGTTTTTGAGCACCTTGACAATAGAAAGTG
TGACCAAGAGTGACCAAGGGGAATACACCTGTGTAGCGTCCAGTGGACGG
ATGATCAAGAGAAATAGAACATTTGTCCGAGTTCACACAAAGCCTTTTATTG

CTTTCGGTAGTGGGATGAAATCTTTGGTGGAAGCCACAGTGGGCAGTCAA
GTCCGAATCCCTGTGAAGTATCTCAGTTACCCAGCTCCTGATATCAAATGG
TACAGAAATGGAAGGCCCATTGAGTCCAACTACACAATGATTGTTGGCGAT
GAACTCACCATCATGGAAGTGACTGAAAGAGATGCAGGAAACTACACGGT
CATCCTCACCAACCCCATTTCAATGGAGAAACAGAGCCACATGGTCTCTCT
GGTTGTGAATGTCCCACCCCAGATCGGTGAGAAAGCCTTGATCTCGCCTA
TGGATTCCTACCAGTATGGGACCATGCAGACATTGACATGCACAGTCTACG
CCAACCCTCCCCTGCACCACATCCAGTGGTACTGGCAGCTAGAAGAAGCC
TGCTCCTACAGACCCGGCCAAACAAGCCCGTATGCTTGTAAAGAATGGAG
ACACGTGGAGGATTTCCAGGGGGGAAACAAGATCGAAGTCACCAAAAACC
AATATGCCCTGATTGAAGGAAAAAACAAAACTGTAAGTACGCTGGTCATCC
AAGCTGCCAACGTGTCAGCGTTGTACAAATGTGAAGCCATCAACAAAGCG
GGACGAGGAGAGAGGGTCATCTCCTTCCATGTGATCAGGGGTCCTGAAAT
TACTGTGCAACCTGCTGCCCAGCCAACTGAGCAGGAGAGTGTGTCCCTGT
TGTGCACTGCAGACAGAAATACGTTTGAGAACCTCACGTGGTACAAGCTTG
GCTCACAGGCAACATCGGTCCACATGGGCGAATCACTCACACCAGTTTGC
AAGAACTTGGATGCTCTTTGGAAACTGAATGGCACCATGTTTTCTAACAGC
ACAAATGACATCTTGATTGTGGCATTTCAGAATGCCTCTCTGCAGGACCAA
GGCGACTATGTTTGCTCTGCTCAAGATAAGAAGACCAAGAAAAGACATTGC
CTGGTCAAACAGCTCATCATCCTAGAGCGCATGGCACCCATGATCACCGG
AAATCTGGAGAATCAGACAACAACCATTGGCGAGACCATTGAAGTGACTTG
CCCAGCATCTGGAAATCCTACCCCACACATTACATGGTTCAAAGACAACGA
GACCCTGGTAGAAGATTCAGGCATTGTACTGAGAGATGGGAACCGGAACC
TGACTATCCGCAGGGTGAGGAAGGAGGATGGAGGCCTCTACACCTGCCA
GGCCTGCAATGTCCTTGGCTGTGCAAGAGCGGAGACGCTCTTCATAATAG
AAGGTGCCCAGGAAAAGACCAACTTGGAAGTCATTATCCTCGTCGGCACT
GCAGTGATTGCCATGTTCTTCTGGCTCCTTCTTGTCATTGTCCTACGGACC
GTTAAGCGGGCCAATGAAGGGGAACTGAAGACAGGCTACTTGTCTATTGT
CATGGATCCAGATGAATTGCCCTTGGATGAGCGCTGTGAACGCTTGCCTT
ATGATGCCAGCAAGTGGGAATTCCCCAGGGACCGGCTGAAACTAGGAAAA
CCTCTTGGCCGCGGTGCCTTCGGCCAAGTGATTGAGGCAGACGCTTTTGG

AATTGACAAGACAGCGACTTGCAAAACAGTAGCCGTCAAGATGTTGAAAGA
AGGAGCAACACACAGCGAGCATCGAGCCCTCATGTCTGAACTCAAGATCC
TCATCCACATTGGTCACCATCTCAATGTGGTGAACCTCCTAGGCGCCTGCA
CCAAGCCGGGAGGGCCTCTCATGGTGATTGTGGAATTCTGCAAGTTTGGA
AACCTATCAACTTACTTACGGGGCAAGAGAAATGAATTTGTTCCCTATAAG
AGCAAAGGGGCACGCTTCCGCCAGGGCAAGGACTACGTTGGGGAGCTCT
CCGTGGATCTGAAAAGACGCTTGGACAGCATCACCAGCAGCCAGAGCTCT
GCCAGCTCAGGCTTTGTTGAGGAGAAATCGCTCAGTGATGTAGAGGAAGA
AGAAGCTTCTGAAGAACTGTACAAGGACTTCCTGACCTTGGAGCATCTCAT
CTGTTACAGCTTCCAAGTGGCTAAGGGCATGGAGTTCTTGGCATCAAGGA
AGTGTATCCACAGGGACCTGGCAGCACGAAACATTCTCCTATCGGAGAAG
AATGTGGTTAAGATCTGTGACTTCGGCTTGGCCCGGGACATTTATAAAGAC
CCGGATTATGTCAGAAAAGGAGATGCCCGACTCCCTTTGAAGTGGATGGC
CCCGGAAACCATTTTTGACAGAGTATACACAATTCAGAGCGATGTGTGGTC
TTTCGGTGTGTTGCTCTGGGAAATATTTTCCTTAGGTGCCTCCCCATACCC
TGGGGTCAAGATTGATGAAGAATTTTGTAGGAGATTGAAAGAAGGAACTAG
AATGCGGGCTCCTGACTACACTACCCCAGAAATGTACCAGACCATGCTGG
ACTGCTGGCATGAGGACCCCAACCAGAGACCCTCGTTTTCAGAGTTGGTG
GAGCATTTGGGAAACCTCCTGCAAGCAAATGCGCAGCAGGATGGCAAAGA
CTATATTGTTCTTCCAATGTCAGAGACACTGAGCATGGAAGAGGATTCTGG
ACTCTCCCTGCCTACCTCACCTGTTTCCTGTATGGAGGAAGAGGAAGTGT
GCGACCCCAAATTCCATTATGACAACACAGCAGGAATCAGTCATTATCTCC
AGAACAGTAAGCGAAAGAGCCGGCCAGTGAGTGTAAAAACATTTGAAGAT
ATCCCATTGGAGGAACCAGAAGTAAAAGTGATCCCAGATGACAGCCAGAC
AGACAGTGGGATGGTCCTTGCATCAGAAGAGCTGAAAACTCTGGAAGACA
GGAACAAATTATCTCCATCTTTTGGTGGAATGATGCCCAGTAAAAGCAGGG
AGTCTGTGGCCTCGGAAGGCTCCAACCAGACCAGTGGCTACCAGTCTGG
GTATCACTCAGATGACACAGACACCACCGTGTACTCCAGCGACGAGGCAG
GACTTTTAAAGATGGTGGATGCTGCAGTTCACGCTGACTCAGGGACCACA
CTGCGCTCACCTCCTGTTTAAATGGAAGTGGTCCTGTCCCGGCTCCGCCC
CCAACTCCTGGAAATCACGAGAGAGGTGCTGCTTAGATTTTCAAGTGTTGT

TCTTTCCACCACCCGGAAGTAGCCACATTTGATTTTCATTTTTGGAGGAGG
GACCTCAGACTGCAAGGAGCTTGTCCTCAGGGCATTTCCAGAGAAGATGC
CCATGACCCAAGAATGTGTTGACTCTACTCTCTTTTCCATTCATTTAAAAGT
CCTATATAATGTGCCCTGCTGTGGTCTCACTACCAGTTAAAGCAAAAGACT
TTCAAACAGTGGCTCTGTCCTCCAAGAAGTGGCAACGGCACCTCTGTGAA
ACTGGATCGAATGGGCAATGCTTTGTGTGTTGAGGATGGGTGAGATGTCC
CAGGGCCGAGTCTGTCTACCTTGGAGGCTTTGTGGAGGATGCGGGCTATG
AGCCAAGTGTTAAGTGTGGGATGTGGACTGGGAGGAAGGAAGGCGCAAG
CTCGCTCGGAGAGCGGTTGGAGCCTGCAGATGCATTGTGCTGGCTCTGGT
GGAGGTGGGCTTGTGGCCTGTCAGGAAACGCAAAGGCGGCCGGCAGGGT
TTGGTTTTGGAAGGTTTGCGTGCTCTTCACAGTCGGGTTACAGGCGAGTTC
CCTGTGGCGTTTCCTACTCCTAATGAGAGTTCCTTCCGGACTCTTACGTGT
CTCCTGGCCTGGCCCCAGGAAGGAAATGATGCAGCTTGCTCCTTCCTCAT
CTCTCAGGCTGTGCCTTAATTCAGAACACCAAAAGAGAGGAACGTCGGCA
GAGGCTCCTGACGGGGCCGAAGAATTGTGAGAACAGAACAGAAACTCAG
GGTTTCTGCTGGGTGGAGACCCACGTGGCTGCCCTGGTGGCAGTGTCTG
AGGGTTCTCTGTCAAGTGGCGGTAAAGGCTCAGGCTGGTGTTCTTCCTCT
ATCTCCACTCCTGTCAGGCCCCCAAGTCCTCAGTATTTTAGCTTTGTGGCT
TCCTGATGGCAGAAAAATCTTAATTGGTTGGTTTGCTCTCCAGATAATCACT
AGCCAGATTTCGAAATTACTTTTTAGCCGAGGTTATGATAACATCTACTGTA
TCCTTTAGAATTTTAACCTATAAAACTATGTCTACTGGTTTCTGCCTGTGTG
CTTATGTTAAAAAAAAAAAAAAAAAA

SEQ ID NO:84 (macaque VEGFR2)

TCCCGGGACCCCGGGAGAGCAGGCGGTGTGTGGTCACTGCGTTTCCTCT
GCCTGCGCCGGGCATCACTTGCGCGCCGCAGAGAGCCAGTCTGGCAGCC
GGGATATCCTCTCCTACTGGCATCCGCAGACGCCCCTGCAGCCGCGGTC
GGCACCCGGGCTCCCAAGCCGTGTGCGCTCAACGGTCCTGCGCTGCGCG
GTGGCGCGGATTCCGTCTCCGCGCCTCCTTCTCTAGACAGGCGCTGGGA
GAAAGAATCGGCTTCAGAGTTCTGGGCATTTTGCCCAGCTCGAGGTGCAG
GATGGCGAGCAAGGTGCTGCTGGCCGTCGCCCTGTGGCTCTGCGTGGAG

ACCCGGGCCGCCTCTGTGGGTTTGCCTAGTGTTTCTCTTGATCTGCCCAG
GCTCAGCATACAAAAAGACATACTTACAATTAAGGCTAATACAACTCTTCAA
ATTACTTGCAGGGGACAGAGGGACTTGGACTGGCTTTGGCCCAATAATCA
GAGTGGCAGTGAGCAAAGGGTGGAGGTGACTGAGTGCAGCGATGGCCTC
TTCTGTAAGACACTCACAATTCCAAAAGTGATCGGAAATGACACTGGAGCC
TACAAGTGCTTCTACCGGGAAACTGACTTGGCCTCGGTCATTTATGTCTAT
GTTCAAGATTACAGATCTCCATTTATTGCTTCTGTTAGTGACCAACATGGAG
TCGTGTACATTACTGAGAACAAAAACAAAACTGTGGTGATTCCATGTCTCG
GGTCCATTTCAAATCTCAACGTGTCACTTTGTGCAAGGTACCCAGAAAAGA
GATTTGTTCCTGATGGTAACAGAATTTCCTGGGACAGCAAGAAGGGCTTTA
CTATTCCCAGCTATATGATCAGCTATGCTGGCATGGTCTTCTGTGAAGCAA
AAATTAATGATGAAAGTTACCAGTCTATTATGTACATAGTTGTGGTTGTAGG
GTATAGGATTTATGATGTGGTTCTGAGTCCGTCTCATGGAGTTGAACTATC
TGTTGGAGAGAAGCTTGTCTTAAATTGTACAGCAAGAACTGAACTAAATGT
GGGGATTGACTTCAACTGGGAATACCCTTCTTCGAAGCATCAGCATAAGAA
ACTTGTAAACCGAGATCTAAAAACCCAGTCTGGGAGTGAGATGAAGAAATT
TTTGAGCACCTTAACTATAGATGGTGTAACCCGGAGTGACCAAGGATTGTA
CACCTGTGCAGCGTCCAGTGGGCTGATGACCAAGAAGAACAGCACATTTG
TCAGGGTCCATGAAAAACCTTTTGTTGCTTTTGGAAGTGGCATGGAATCTC
TGGTGGAAGCCACGGTGGGGGAGCGTGTCAGAATCCCTGTGAAGTACCTT
GGTTACCCGCCCCCAGAAATAAAATGGTATAAAAATGGAATACCCCTTGAG
TCCAATCACACAGTTAAAGTGGGGCATGTGCTGACGATCATGGAAGTGAG
CGAAAGAGACACAGGAAATTACACTGTCATCCTTACCAATCCCATTTCAAA
GGAGAAGCAGAGTCACGTGGTCTCTCTGGTTGTGTATGTCCCACCCCAGA
TTGGTGAGAAATCTCTGATCTCTCCTGTGGATTCCTACCAGTACGGCACCA
CTCAAACGCTGACATGTACGGTCTACGCTATTCCTCCCCCGCATCACATCC
ACTGGTATTGGCAGTTGGAGGAAGAGTGCCCCAACGAGCCCAGCCAAGCT
GTCTCAGTGACAAACCCATACCCTTGTGAAGAATGGAGAAGTGTGGAGGA
CTTCCAGGGAGGAAATAAAATTGAAGTCAATAAAAATCAATTTGCTCTAATT
GAAGGAAAAAACAAAACTGTAAGTACCCTTGTTATCCAAGCGGCAAATGTG
TCAGCTTTGTACAAATGTGAAGCGGTCAACAAAGTCGGGAGAGGAGAGAG

GGTGATCTCCTTCCATGTTACCAGGGGTCCTGAAATTACTTTGCAACCTGA
CTTGCAGCCCACTGAACAGGAGAGCGTGTCTTTGTGGTGCACTGCAGACA
AATCTACATTTGAGAACCTCACATGGTACAAGCTTGGCCCACAGCCTCTGC
CAGTCCACGTGGGAGAGTTGCCCACACCTGTTTGCAAGAACTTGGATACT
CTTTGGAAATTGAATGCCACTATATTCTCTAATAGCACAAATGACATTTTGA
TCATGGAGCTTAAGAATGCATCCTTGCAGGACCAAGGAGACTATGTCTGC
GTTGCTCAAGACAGGAAGACCAAGAAAAGACATTGCGTGGTCAGGCAGCT
CACAGTCCTCGAGCGCGTGGCACCCATGATCACAGGAAACCTGGAGAATC
AGACGACGAGTATTGGGGAAACCATTGAAGTCTCATGCACGGCATCTGGG
AATCCCCCTCCACAGATCATGTGGTTTAAAGATAATGAGACCCTTGTAGAA
GACTCAGGCATTGTATTGAAGGATGGGAACCGGAACCTCACTATCCGCAG
AGTGAGGAAGGAGGACGAAGGCCTCTACACCTGCCAGGCATGCAGTGTT
CTTGGCTGTGCAAAAGTGGAGGCATTTTTCATAATAGAAGGTGCCCAGGAA
AAGACGAACTTGGAAATCATTATTCTAGTAGGCACAGCAGTGATTGCCATG
TTCTTCTGGCTACTTCTTGTCATCATTCTACGGACCGTTAAGCGGGCCAAT
GGAGGGGAACTGAAGACAGGCTACTTGTCCATCGTCATGGATCCTGATGA
ACTCCCATTGGATGAACACTGTGAACGACTGCCTTATGATGCCAGCAAATG
GGAATTCCCCAGAGACCGGCTGAAGCTAGGTAAGCCGCTTGGCCGTGGT
GCCTTTGGCCAAGTGATTGAAGCAGATGCCTTTGGAATTGACAAGACAGC
AACTTGCAGGACAGTAGCAGTCAAAATGTTGAAAGAAGGAGCGACACACA
GTGAGCATCGAGCCCTCATGTCTGAACTCAAGATCCTCATTCATATTGGTC
ACCATCTCAATGTGGTCAACCTTCTAGGTGCCTGTACCAAGCCAGGAGGG
CCACTCATGGTGATTGTGGAATTCTGCAAGTTTGGAAACCTATCCACTTAC
CTGAGGAGCAAGAGAAATGAATTTTTTGTTTTTTCCTTTGCTTTTTTATAGA
CCAAAGGGGCACGATTCCGTCAAGGGAAAGACTATGTTGGAGCAATCCCT
GTGGATCTGAAACGGCGCTTGGACAGCATCACCAGTAGCCAGAGCTCAGC
CAGCTCTGGATTTGTGGAGGAGAAGTCCCTCAGTGATGTAGAAGAAGAGG
AAGCTCCTGAAGACCTGTATAAGGACTTCCTGACCTTGGAGCATCTCATCT
GTTACAGCTTCCAAGTGGCTAAGGGCATGGAGTTCTTGGCATCACGAAAG
TGTATCCACAGGGACCTGGCGGCACGAAATATCCTCTTATCGGAGAAGAA
CGTGGTTAAAATCTGTGACTTTGGCTTGGCCCGGGATATTTATAAAGATCC

AGATTATGTCAGAAAAGGAGATGCTCGCCTCCCTTTGAAATGGATGGCCC
CAGAAACAATTTTTGACAGAGTGTACACAATCCAGAGTGACGTCTGGTCTT
TTGGCGTGTTGCTGTGGGAAATATTTTCCTTGGGTGCTTCTCCATATCCTG
GGGTAAAGATTGATGAAGAATTTTGTAGGCGATTGAAAGAAGGAACTAGAA
TGAGGGCCCCCGATTATACTACACCAGAAATGTACCAGACCATGCTGGAC
TGCTGGCACGGGGAGCCCAGTCAGAGACCCACGTTTTCAGAGTTGGTGG
AACATTTGGGAAATCTCTTGCAAGCTAATGCTCAGCAGGACGGCAAAGACT
ATATTGTTCTTCCGATATCAGAGACTTTGAGCATGGAAGAGGATTCTGGAC
TCTCTCTGCCTACCTCACCTGTTTCCTGTATGGAGGAGGAGGAAGTATGTG
ACCCCAAATTCCATTATGACAACACAGCAGGAATCAGTCAGTATCTGCAGA
ACAGTAAGCGAAAGAGCCGGCCTGTGAGTGTAAAAACATTTGAAGACATC
CCATTAGAAGAACCAGAAGTAAAAGTAATCCCAGATGACAACCAGACGGA
CAGTGGTATGGTTCTTGCCTCAGAAGAGCTGAAAACTTTGGAAGACAGAAC
CAAATTAGCTCCATCTTTTAGTGGAATGGTGTCCAGCAAAAGCAGGGAGTC
TGTGGCATCTGAGGGCTCAAACCAGACAAGTGGCTACCAGTCCGGATATC
ACTCCGACGACACAGACACCACTGTGTACTCCAGTGAGGAAGCAGAACTT
TTAAAGCTGATAGAGATCGGAGTGCAAACCGGCAGCACAGCCCAGATTCT
CCAGCCTGACTCGGGGACCACATTGAGCTCCCCTCCTGTTTAAAAGGAAG
CACCCACGCCCCCAACTCCTGGACATCACATAAGAGGTGCTGCTCAGATT
TTCAAGTGTTGTTCTTTCCACCAGCAGGAAGTAGCCGCATTTGATTTTCATT
TCAACAACAAAAAAAGGACCTCGGACTGCAGGGAGCTAGTCTTCTAGGCA
TATCCTGGAAGAGGCTTGTGACCCAAGAATGTGTCCGTGTATTCTCCCAGT
GTTAACCTGATCCTCTTTTTCATTCATTTAAAAAGCATTTATCATGCTGCCTA
CTGCGGGTCTCACCATGGGTTAGAACAAAGACGTTCAAGAAATGGCCCCA
TCCTCAAAGAAGTAGCAGTACCTGGGGAGTTGACACTTCTGTAAAACTAGA
AGATAAACCAGGCAATGTAAGTGTTTGGGGTGTTGCAGATGGGAAGGATT
TGCAGGGCTCAGTCTATCCAAGAGGCTTTGTTTAGGACGTCGGTCCCAAG
CCAAGCCTTAAGTGTGGAATTCAGATTGACAGAAAGGAAGACTAACATTAA
CTTGCTCTGAGAGAGTACTGGAGCCTGCAAATGCATTGTGTTGGCTCCGG
TGGAGGTGGGCATGGGGTCTGTTCTGAAATGTAAAGGCTTCAGATGGGGT
TTCTGGTTTTAGAAGGTTGCGTGTTCTTCGCAGTTGGGCTGAAGGAGAGTT

CCTTGTGCTGTTTCCGACTCCTAATGAGAGTTCCTTCCAGACCCTTACGTG
TCTCCTGGCCAAGCCCCAGGAAGGAAATTATGCAGCTCTGGCTCCTTGTC
TCTCAGGCTGATCCTTTATTCAGAACACCACAAAGTAAGGACATTCAGCTC
GAGGCTCCCTGCCGTGTTGAAGAGTTCTGACTGCACAAACCAGCTTCTGG
TTTCTTCTGGATGAATACCCTCATCTCTATCCTGATGTGATATGTCTGAGAC
TGAAGGCGGGAGGTTCAATGTCAAGCTGTGTGTAGTGTCAAAGCTTCAGG
AAGGATTTTACCCTTTTGTTCTTCCCCCCGTCCCCAACCCACTCTCACCCC
ACAACCCATCAGGATTTTAGTTATTTGGCCTCTACACTCCAGTAAACCTCTA
CACTCCAGTAAACAAACTCCAGAGAGTTTGTTCACTCTCTGAATGATTATTA
GCCAGACTTCAAAATTACTTTATAGCCCAAATTATAACATCTATTGTATTGTT
TAGACTTTTAACATATAGAGCTATTTCTACTGATTTTTGCCCTTTTTCTGTCC
TTTTTTTCAAAAAAGAAAATGTGTTTTTTGTTTGGTACCATAGTGTGAAATGC
TGGGAACAATGACTATAAGACATGCTATGGCACATATATTTATAGTCTGTTT
ATGTAGAAACAAATGTAATATATTAAAGCCTTATATTATATATAATGAACTTT
GTACTATTCACATTTTGTATCAGTATTATGTAGCATAACAAAGGTCATAATG
CTTTCAGCAATCGATGTCATTTTATTAAAAAACATTGAAAAACTTGAA

SEQ ID NO:85 (Human PDGFR- β)

CTCCTGAGGCTGCCAGCAGCCAGCAGTGACTGCCCGCCCTATCTGGGAC
CCAGGATCGCTCTGTGAGCAACTTGGAGCCAGAGAGGAGATCAACAAGGA
GGAGGAGAGAGCCGGCCCCTCAGCCCTGCTGCCCAGCAGCAGCCTGTGC
TCGCCCTGCCCAACGCAGACAGCCAGACCCAGGGCGGCCCCTCTGGCGG
CTCTGCTCCTCCCGAAGGATGCTTGGGGAGTGAGGCGAAGCTGGGCCGC
TCCTCTCCCCTACAGCAGCCCCCTTCCTCCATCCCTCTGTTCTCCTGAGCC
TTCAGGAGCCTGCACCAGTCCTGCCTGTCCTTCTACTCAGCTGTTACCCAC
TCTGGGACCAGCAGTCTTTCTGATAACTGGGAGAGGGCAGTAAGGAGGAC
TTCCTGGAGGGGGTGACTGTCCAGAGCCTGGAACTGTGCCCACACCAGAA
GCCATCAGCAGCAAGGACACCATGCGGCTTCCGGGTGCGATGCCAGCTC
TGGCCCTCAAAGGCGAGCTGCTGTTGCTGTCTCTCCTGTTACTTCTGGAAC
CACAGATCTCTCAGGGCCTGGTCGTCACACCCCCGGGGCCAGAGCTTGT
CCTCAATGTCTCCAGCACCTTCGTTCTGACCTGCTCGGGTTCAGCTCCGG

TGGTGTGGGAACGGATGTCCCAGGAGCCCCCACAGGAAATGGCCAAGGC
CCAGGATGGCACCTTCTCCAGCGTGCTCACACTGACCAACCTCACTGGGC
TAGACACGGGAGAATACTTTTGCACCCACAATGACTCCCGTGGACTGGAG
ACCGATGAGCGGAAACGGCTCTACATCTTTGTGCCAGATCCCACCGTGGG
CTTCCTCCCTAATGATGCCGAGGAACTATTCATCTTTCTCACGGAAATAACT
GAGATCACCATTCCATGCCGAGTAACAGACCCACAGCTGGTGGTGACACT
GCACGAGAAGAAAGGGGACGTTGCACTGCCTGTCCCCTATGATCACCAAC
GTGGCTTTTCTGGTATCTTTGAGGACAGAAGCTACATCTGCAAAACCACCA
TTGGGGACAGGGAGGTGGATTCTGATGCCTACTATGTCTACAGACTCCAG
GTGTCATCCATCAACGTCTCTGTGAACGCAGTGCAGACTGTGGTCCGCCA
GGGTGAGAACATCACCCTCATGTGCATTGTGATCGGGAATGAGGTGGTCA
ACTTCGAGTGGACATACCCCCGCAAAGAAAGTGGGCGGCTGGTGGAGCC
GGTGACTGACTTCCTCTTGGATATGCCTTACCACATCCGCTCCATCCTGCA
CATCCCCAGTGCCGAGTTAGAAGACTCGGGGACCTACACCTGCAATGTGA
CGGAGAGTGTGAATGACCATCAGGATGAAAAGGCCATCAACATCACCGTG
GTTGAGAGCGGCTACGTGCGGCTCCTGGGAGAGGTGGGCACACTACAAT
TTGCTGAGCTGCATCGGAGCCGGACACTGCAGGTAGTGTTCGAGGCCTAC
CCACCGCCCACTGTCCTGTGGTTCAAAGACAACCGCACCCTGGGCGACTC
CAGCGCTGGCGAAATCGCCCTGTCCACGCGCAACGTGTCGGAGACCCGG
TATGTGTCAGAGCTGACACTGGTTCGCGTGAAGGTGGCAGAGGCTGGCCA
CTACACCATGCGGGCCTTCCATGAGGATGCTGAGGTCCAGCTCTCCTTCC
AGCTACAGATCAATGTCCCTGTCCGAGTGCTGGAGCTAAGTGAGAGCCAC
CCTGACAGTGGGGAACAGACAGTCCGCTGTCGTGGCCGGGGCATGCCCC
AGCCGAACATCATCTGGTCTGCCTGCAGAGACCTCAAAAGGTGTCCACGT
GAGCTGCCGCCCACGCTGCTGGGGAACAGTTCCGAAGAGGAGAGCCAGC
TGGAGACTAACGTGACGTACTGGGAGGAGGAGCAGGAGTTTGAGGTGGT
GAGCACACTGCGTCTGCAGCACGTGGATCGGCCACTGTCGGTGCGCTGC
ACGCTGCGCAACGCTGTGGGCCAGGACACGCAGGAGGTCATCGTGGTGC
CACACTCCTTGCCCTTTAAGGTGGTGGTGATCTCAGCCATCCTGGCCCTG
GTGGTGCTCACCATCATCTCCCTTATCATCCTCATCATGCTTTGGCAGAAG
AAGCCACGTTACGAGATCCGATGGAAGGTGATTGAGTCTGTGAGCTCTGA

CGGCCATGAGTACATCTACGTGGACCCCATGCAGCTGCCCTATGACTCCA
CGTGGGAGCTGCCGCGGGACCAGCTTGTGCTGGGACGCACCCTCGGCTC
TGGGGCCTTTGGGCAGGTGGTGGAGGCCACGGCTCATGGCCTGAGCCAT
TCTCAGGCCACGATGAAAGTGGCCGTCAAGATGCTTAAATCCACAGCCCG
CAGCAGTGAGAAGCAAGCCCTTATGTCGGAGCTGAAGATCATGAGTCACC
TTGGGCCCCACCTGAACGTGGTCAACCTGTTGGGGGCCTGCACCAAAGG
AGGACCCATCTATATCATCACTGAGTACTGCCGCTACGGAGACCTGGTGG
ACTACCTGCACCGCAACAAACACACCTTCCTGCAGCACCACTCCGACAAG
CGCCGCCCGCCCAGCGCGGAGCTCTACAGCAATGCTCTGCCCGTTGGGC
TCCCCCTGCCCAGCCATGTGTCCTTGACCGGGGAGAGCGACGGTGGCTA
CATGGACATGAGCAAGGACGAGTCGGTGGACTATGTGCCCATGCTGGACA
TGAAAGGAGACGTCAAATATGCAGACATCGAGTCCTCCAACTACATGGCC
CCTTACGATAACTACGTTCCCTCTGCCCCTGAGAGGACCTGCCGAGCAAC
TTTGATCAACGAGTCTCCAGTGCTAAGCTACATGGACCTCGTGGGCTTCAG
CTACCAGGTGGCCAATGGCATGGAGTTTCTGGCCTCCAAGAACTGCGTCC
ACAGAGACCTGGCGGCTAGGAACGTGCTCATCTGTGAAGGCAAGCTGGTC
AAGATCTGTGACTTTGGCCTGGCTCGAGACATCATGCGGGACTCGAATTA
CATCTCCAAAGGCAGCACCTTTTTGCCTTTAAAGTGGATGGCTCCGGAGA
GCATCTTCAACAGCCTCTACACCACCCTGAGCGACGTGTGGTCCTTCGGG
ATCCTGCTCTGGGAGATCTTCACCTTGGGTGGCACCCCTTACCCAGAGCT
GCCCATGAACGAGCAGTTCTACAATGCCATCAAACGGGGTTACCGCATGG
CCCAGCCTGCCCATGCCTCCGACGAGATCTATGAGATCATGCAGAAGTGC
TGGGAAGAGAAGTTTGAGATTCGGCCCCCCTTCTCCCAGCTGGTGCTGCT
TCTCGAGAGACTGTTGGGCGAAGGTTACAAAAAGAAGTACCAGCAGGTGG
ATGAGGAGTTTCTGAGGAGTGACCACCCAGCCATCCTTCGGTCCCAGGCC
CGCTTGCCTGGGTTCCATGGCCTCCGATCTCCCCTGGACACCAGCTCCGT
CCTCTATACTGCCGTGCAGCCCAATGAGGGTGACAACGACTATATCATCC
CCCTGCCTGACCCCAAACCCGAGGTTGCTGACGAGGGCCCACTGGAGGG
TTCCCCCAGCCTAGCCAGCTCCACCCTGAATGAAGTCAACACCTCCTCAA
CCATCTCCTGTGACAGCCCCCTGGAGCCCCAGGACGAACCAGAGCCAGA
GCCCCAGCTTGAGCTCCAGGTGGAGCCGGAGCCAGAGCTGGAACAGTTG

CCGGATTCGGGGTGCCCTGCGCCTCGGGCGGAAGCAGAGGATAGCTTCC
TGTAGGGGGCTGGCCCCTACCCTGCCCTGCCTGAAGCTCCCCCCCTGCC
AGCACCCAGCATCTCCTGGCCTGGCCTGACCGGGCTTCCTGTCAGCCAG
GCTGCCCTTATCAGCTGTCCCCTTCTGGAAGCTTTCTGCTCCTGACGTGTT
GTGCCCCAAACCCTGGGGCTGGCTTAGGAGGCAAGAAAACTGCAGGGGC
CGTGACCAGCCCTCTGCCTCCAGGGAGGCCAACTGACTCTGAGCCAGGG
TTCCCCCAGGGAACTCAGTTTTCCCATATGTAAGATGGGAAAGTTAGGCTT
GATGACCCAGAATCTAGGATTCTCTCCCTGGCTGACAGGTGGGGAGACCG
AATCCCTCCCTGGGAAGATTCTTGGAGTTACTGAGGTGGTAAATTAACTTT
TTTCTGTTCAGCCAGCTACCCCTCAAGGAATCATAGCTCTCTCCTCGCACT
TTTATCCACCCAGGAGCTAGGGAAGAGACCCTAGCCTCCCTGGCTGCTGG
CTGAGCTAGGGCCTAGCCTTGAGCAGTGTTGCCTCATCCAGAAGAAAGCC
AGTCTCCTCCCTATGATGCCAGTCCCTGCGTTCCCTGGCCCGAGCTGGTC
TGGGGCCATTAGGCAGCCTAATTAATGCTGGAGGCTGAGCCAAGTACAGG
ACACCCCCAGCCTGCAGCCCTTGCCCAGGGCACTTGGAGCACACGCAGC
CATAGCAAGTGCCTGTGTCCCTGTCCTTCAGGCCCATCAGTCCTGGGGCT
TTTTCTTTATCACCCTCAGTCTTAATCCATCCACCAGAGTCTAGAAGGCCA
GACGGGCCCCGCATCTGTGATGAGAATGTAAATGTGCCAGTGTGGAGTGG
CCACGTGTGTGTGCCAGTATATGGCCCTGGCTCTGCATTGGACCTGCTAT
GAGGCTTTGGAGGAATCCCTCACCCTCTCTGGGCCTCAGTTTCCCCTTCA
AAAAATGAATAAGTCGGACTTATTAACTCTGAGTGCCTTGCCAGCACTAAC
ATTCTAGAGTATTCCAGGTGGTTGCACATTTGTCCAGATGAAGCAAGGCCA
TATACCCTAAACTTCCATCCTGGGGGTCAGCTGGGCTCCTGGGAGATTCC
AGATCACACATCACACTCTGGGGACTCAGGAACCATGCCCCTTCCCCAGG
CCCCCAGCAAGTCTCAAGAACACAGCTGCACAGGCCTTGACTTAGAGTGA
CAGCCGGTGTCCTGGAAAGCCCCCAGCAGCTGCCCCAGGGACATGGGAA
GACCACGGGACCTCTTTCACTACCCACGATGACCTCCGGGGGTATCCTGG
GCAAAAGGGACAAAGAGGGCAAATGAGATCACCTCCTGCAGCCCACCACT
CCAGCACCTGTGCCGAGGTCTGCGTCGAAGACAGAATGGACAGTGAGGA
CAGTTATGTCTTGTAAAAGACAAGAAGCTTCAGATGGGTACCCCAAGAAGG
ATGTGAGAGGTGGGCGCTTTGGAGGTTTGCCCCTCACCCACCAGCTGCCC

CATCCCTGAGGCAGCGCTCCATGGGGGTATGGTTTTGTCACTGCCCAGAC
CTAGCAGTGACATCTCATTGTCCCCAGCCCAGTGGGCATTGGAGGTGCCA
GGGGAGTCAGGGTTGTAGCCAAGACGCCCCCGCACGGGGAGGGTTGGG
AAGGGGGTGCAGGAAGCTCAACCCCTCTGGGCACCAACCCTGCATTGCA
GGTTGGCACCTTACTTCCCTGGGATCCCCAGAGTTGGTCCAAGGAGGGAG
AGTGGGTTCTCAATACGGTACCAAAGATATAATCACCTAGGTTTACAAATAT
TTTTAGGACTCACGTTAACTCACATTTATACAGCAGAAATGCTATTTTGTAT
GCTGTTAAGTTTTTCTATCTGTGTACTTTTTTTTAAGGGAAAGATTTTAATAT
TAAACCTGGTGCTTCTCACTCACAAAAA

SEQ ID NO:86 (mouse PDGFR- β)

GGGGCAGAGAAAGCCCACAGTGGTGTGAGCTCTGGGGCTGTCTGTGGCC
ACAGTCCCGGCTACCCTATCTGGGACCTAGGATTGCTCTGGGAGTAACTT
TGAGAGAGAGGAGAACAGAGAGGAAACAGTCCAGAGCCAGAGCGGGCCC
AGACCAGTCGTCAGTCTCCTGCCTGCCAGCTAGACCTAGGGCGGCCCCTC
GGGCTGCTCCGCTCCTCCCGGAGGATGCTTTTGGAGTGAGGAGGGGCCG
GGCTGCTTCTCACCCCTGAGCACCCTCTCCATTCCCCTGATTCTCTCAGG
GTTTTCCGCAATCAGGCCAGCCCTTCTACTGCTGTCCGTTTTTTGGGTCCA
GCAAAATAACAGAAGACAGCGAGGTGGACTTCCTGGAGGGGGTGATAGCT
CACATCAGAAGCCATCTGTAGCCCGGACACCATGGGGCTTCCAGGAGTGA
TACCAGCTTTAGTCCTCAGAGGCCAGTTGTTGCTGTCCGTGTTATGGCTCC
TGGGACCGCAGACCTCCCGGGGCCTAGTCATCACGCCCCCTGGGCCAGA
GTTTGTTCTCAACATCTCCAGCACCTTTGTTCTGACCTGCTCGGGCTCAGC
TCCGGTGATGTGGGAACAGATGTCCCAGGTGCCCTGGCAAGAAGCGGCC
ATGAATCAGGACGGCACCTTCTCCAGTGTGCTGACACTGACCAATGTCACT
GGGGGAGACACTGGGGAATACTTTTGTGTCTACAACAACTCACTAGGGCC
GGAGCTCAGTGAGAGGAAGCGTATCTATATCTTTGTGCCAGATCCCACCAT
GGGCTTCCTCCCTATGGACTCCGAGGACCTGTTCATTTTTGTCACGGATGT
CACTGAGACGACAATTCCGTGCCGAGTGACAGACCCCCAGCTGGAGGTG
ACGCTACATGAGAAGAAAGTGGATATCCCCCTACACGTACCCTACGACCA
CCAGCGAGGTTTCACTGGTACTTTTGAGGACAAGACTTACATTTGCAAAAC

CACCATTGGGGACAGGGAAGTGGACTCCGATACTTACTACGTCTACAGCC
TCCAGGTGTCATCCATCAACGTCTCTGTGAATGCCGTGCAGACTGTGGTC
CGCCAGGGCGAGAGCATCACCATCCGGTGCATTGTGATGGGCAATGATGT
GGTGAACTTCCAATGGACGTACCCCCGCATGAAGAGTGGGCGGCTGGTG
GAGCCAGTGACAGACTACCTCTTTGGAGTGCCCTCCCGCATTGGCTCCAT
CCTGCATATCCCCACGGCTGAGCTGAGTGATTCGGGCACCTATACTTGCA
ACGTGTCAGTGAGTGTGAACGACCATGGCGATGAGAAAGCCATCAACATC
TCTGTGATCGAGAATGGCTACGTGCGGCTGCTGGAGACACTGGGAGATGT
AGAAATTGCTGAGCTGCACCGGAGTCGGACGCTGCGGGTGGTGTTCGAG
GCTTATCCGATGCCTTCTGTCCTGTGGCTCAAGGACAACCGTACCTTGGG
TGACTCCGGCGCTGGCGAGTTAGTTTTGTCTACTCGCAACATGTCTGAGA
CCCGGTACGTGTCAGAACTGATCCTGGTACGTGTGAAGGTGTCAGAAGCG
GGCTACTATACTATGCGAGCCTTCCACGAGGACGATGAGGTCCAGCTCTC
CTTCAAGCTGCAGGTCAATGTCCCCGTCCGTGTGCTGGAGCTGAGTGAGA
GTCACCCTGCCAATGGGGAGCAGACAATCCGCTGTCGTGGCCGGGGCAT
GCCTCAGCCAAATGTCACCTGGTCTACCTGCAGAGACCTCAAAAGTAGGT
GTCCACGAAAACTGTCACCCACACCCTTGGGGAATAGTTCCAAGGAGGAG
AGCCAGCTAGAAACGAATGTGACTTTCTGGGAGGAAGATCAGGAATACGA
GGTGGTGAGCACACTGCGCCTGCGCCACGTGGATCAGCCACTGTCCGTA
CGCTGCATGCTGCAGAACTCCATGGGTGGAGATTCGCAGGAGGTCACCGT
GGTCCCACATTCCTTGCCCTTCAAAGTGGTGGTGATCTCAGCCATCCTGG
CCTTAGTGGTCCTTACCGTCATCTCTCTCATCATCCTCATCATGCTGTGGC
AGAAGAAGCCACGCTATGAGATCCGATGGAAGGTCATTGAGTCTGTGAGC
TCTGACGGTCATGAGTACATCTACGTGGACCCTGTGCAGTTGCCTTACGA
CTCCACCTGGGAGCTGCCACGGGACCAGCTTGTTCTGGGACGCACTCTTG
GCTCTGGGGCTTTCGGACAGGTGGTGGAGGCCACAGCTCACGGTCTGAG
CCATTCGCAGGCCACCATGAAAGTGGCTGTCAAGATGCTGAAATCGACAG
CCAGAAGTAGCGAGAAGCAAGCCTTAATGTCCGAGCTGAAGATTATGAGT
CATCTTGGACCCCACCTGAACGTGGTCAACCTGCTGGGGGCCTGCACCAA
AGGAGGGCCCATCTACATCATCACGGAATACTGCCGATACGGTGATCTGG
TGGACTACCTGCACCGGAACAAACACACCTTCTTGCAGCGACACTCCAAC

AAGCATTGTCCGCCCAGTGCTGAGCTCTACAGCAACGCCCTGCCAGTGGG
GTTCTCCCTACCCAGCCACTTGAACCTGACTGGGGAGAGTGACGGTGGCT
ACATGGATATGAGCAAGGATGAATCTATAGATTACGTGCCCATGTTGGACA
TGAAAGGAGACATCAAATACGCAGACATTGAGTCCCCCAGCTACATGGCC
CCTTATGATAACTATGTCCCATCTGCCCCTGAAAGGACCTATCGCGCCACC
TTAATCAACGACTCACCAGTGCTCAGCTACACAGACCTCGTGGGCTTCAG
CTACCAAGTGGCCAACGGCATGGACTTCTTAGCCTCTAAGAACTGTGTTCA
CCGAGACTTGGCGGCCAGGAATGTGCTCATCTGCGAGGGCAAGCTGGTC
AAGATCTGTGACTTCGGCCTGGCTCGAGACATCATGAGGGACTCAAACTA
CATCTCCAAAGGCAGCACCTTCCTGCCTCTGAAGTGGATGGCCCCAGAGA
GCATCTTCAACAGCCTCTACACCACTTTGAGTGATGTCTGGTCTTTTGGGA
TCCTACTCTGGGAGATCTTCACACTGGGTGGCACCCCTTACCCAGAGCTG
CCCATGAACGACCAGTTCTACAATGCCATCAAGAGGGGCTACCGCATGGC
CCAGCCTGCTCATGCCTCCGACGAGATCTATGAGATCATGCAGAAATGCT
GGGAAGAAAAGTTTGAGACTCGACCCCCCTTCTCCCAGCTGGTGCTGCTC
CTGGAGAGGCTTCTGGGTGAAGGCTATAAAAAGAAGTACCAGCAGGTAGA
TGAGGAGTTCCTGAGGAGTGACCATCCTGCCATCCTGAGGTCCCAAGCCC
GCTTTCCGGGGATCCACAGCCTCCGATCCCCTCTGGACACCAGCTCTGTT
CTCTACACTGCCGTGCAGCCCAATGAGAGTGACAATGACTACATCATCCC
CTTACCTGACCCCAAGCCTGACGTTGCTGATGAAGGTCTCCCAGAGGGGT
CCCCCAGCCTTGCCAGTTCCACCTTGAATGAAGTCAACACTTCCTCCACCA
TCTCCTGCGACAGTCCCCTGGAGCTCCAAGAAGAGCCACAGCAAGCAGAG
CCTGAGGCACAACTGGAGCAGCCACAGGATTCAGGCTGCCCAGGACCTC
TGGCTGAAGCAGAGGACAGCTTCCTGTAGGAACTGACATCACTCCATTTTG
CCCGAATCTCCCTTCTGCCTCCCAGAACCCAACCCTCTTGGCCTGGCCTG
GCCTGGCCTGGCCTCCCAGCAGCTACACTGCCACAAGCTGTCCCCTCGA
GGAAAGCCCTTGGTTTGCAGCACTCAAGGTCCAGGGACCCAGCTTAGCTT
AGGAGGCAAGAGAACTCTGCCTCGGGAAGGTCATGGGACTCTGAACCAG
GGTTCCTCCAGGGGACTCAGTTTCCCCAAATGTAAGAGGAAGAGTTGTAC
TTGGCTACAGGACAGGTCTGGAGCCCGGATTCCTGCAGAAATCCACGACT
GTACGGTGGTGTGTTCATATCCTCCTGTGTAGCAGCTGCCCCTCAGCTGG

ATTGCTCTACTTTGATCTTCCTAAGAATCAGGCAAGGACCTGGTGTCTGGC
TCCTGGCCAAACTGTAACCAGCCTTGGACAAGGTCTTTTCATTCAGAGCCC
ACCTCCCCTGGTCTTAGCTTTCCCAGGCCCGAGCTGGTCTGGGGCCAGCC
ATGCTTAATGAATGCTGTTAGTGGTGAAGGTAGGCCGAGTACAGAATGCTC
TGGCCTGCAGCCCTGCCTGGGCACTCAGGGCACACCTGGCCACAGGAAG
CACCCACTCCTTTCAGCCCCACCAGTCCTAGAATAGTCCCCAGGTCACTCT
CAGCTGACCCACCCACCAGAGTCTGCAGGGCCATTGTCCACGCCTGTGAT
AGGCTAAGCATCTGCCTGAAGTGTGTACCTACCACTAGGAGCCCTGGCTC
TGCGCTGGACCTGCTATGAGACCTTGGGGGCTTTCCTTGTTCTCTCTGGG
GACCAGTTTTCTTTCCCCTTTGAAAAGCAAGTTGGACACATAGACTCTGAG
TACCCTGTCAATAGTACAATTCTTGTATGTTCTGGGAGTTTGCTCTTGTCCC
GAGGAAGCAGGGTCAAGTCCTTAAACTGATCTTTCTAGGGGTCAGCTGAG
CTCTTGGAAGATCCCTGATACACTTCACACTCTGGGGGTTCAGGAACCGA
GCCTCTTCTTCAAGTCTCCAAGTGCAACTGCCCAGACCTTGACTTGGAGTG
ACAGTGAGTGTCCTAGGAAACCCCCTTACAGCTGTCCTGAGGACACAGAA
GAGACCACGAGACCCTTTTTTCATATCATGAAGCCAGCAAGAGTGGCAGA
GAAGGCAAGCCAGGTTACCTCGGGCCACTGTCACCAGCAGCGTGTGGAC
AGACATGATGGACAGTGAGGACAGACGTCCCATGCAGGACAAGAGACTTG
AGATGGGCAATGAGAGGAAGATGCTGACGGGATTACCACCTCAACTGCCA
GCTGCCCCCGTCCCCAGGGAGCACCCCACAGAAACAGTTCTAACCCTGAA
CCAATGAACATTGCAAGTGCCTGGGGACTAGGGAGTGGGGGGAAGTCAG
CCTTTCTGGGGACCCTCCCTGCTAGCTGGTTGGCTAGCTGGCATCTCCCC
GCTTGGAGCAGCAGAGGCTGGGGAGTACTGCTCACAATGGTACCAAAGAT
AGAATCACCTAGGTTTACAAGTACTTGTAGGACTCGAGATAACCCACATTT
AGACACCGGAAGTGCTATTTTATATGCTGTTAAGTTTTCCTATCTGTACTTT
TTTTTTAAATGGGAAAGATTTTAATATTAAACTTGGTGCTTCTCACTGAATAA
CCG

SEQ ID NO:87 macaque PDGFR- β

CTCCTGAGGCTGCCAGCAGCCAGCAGTGACTGCCCGCCCTATCTGGGAC
CCAGGATCGCTCTGTGAGCAACTTGGAGCCAGAGAGGAGATCAACAACGA

GGAGGAGAGAGCCGGCCCCTCAGCCCAGCTGCCCAGCAGCAGCCTGCG
CTCGCCCTGCCCAACGCAGACAGCCAGACCCAGGGCGGCCCCTCTGGCG
GCTCTGCTCCTCCCGAAGGATGCTTGGGGAGTGAGGCGAAGCTGGGCCG
CTCCTCTTCCCTGCAGCAGTCCCCTCCCTCCATCCCTCCGTTCTCCTGAGC
CTTCAGGAGCCTGCAACGGTCCTGCCTGGCCTTCTACCCAGCTGTTACCC
ACTCTGGGACCAGCAGTCTTTCTGATAACAGAAACTCCAAACTTGATAACA
GGCAGAGGGCAGTAAGGAGGACTTCCTGGAGGGGGTGACTGTCCAGAGC
CTGGAACTCTGCCCACACCAGAAGCCATCAGCAGCAAGGACACCATGCGG
CTTCCGGGTGCGATGCCAGCTCTGGCCCTCAAAGGCCAGCTGCTGTTGCT
GCCCCTGCTGTTACTGCTGGAACCGCAGGTCTCTCAGGGCCTGGTCATCA
CACCCCCGGGGCCAGAGCTTATCCTCAATGTCTCCAGCACCTTTGTTCTG
ACCTGCTCGGGTTCAGCTCCCGTGGTGTGGGAGCGGATGTCCCAGGAGC
TCCCACAGGAAATGGCCAAGGCCCAGGACAATACCTTCTCCAGTGTGCTG
ACACTGACCAACCTCACTGGGCTAGACACGGGAGAATACTTTTGCACCTA
CAATGACTCCCGTGGACTGGAGCCTGATGAGCGGAAACGGCTCTACATCT
TTGTGCCAGATCCCACCATGGGCTTCCTCCCTAATGACGCCGAGGAACTA
TTCATCTTTCTTACGGAAATAACTGAGATCACCATTCCATGCCGAGTAACA
GACCCACAACTGGTGGTGACACTGCACGAGAAGAAAGGGGACATTGCACT
GCCTGTCCCCTACGATCACCAGCGTGGCTTTTCTGGTATCTTTGAGGACA
GAAGCTACATCTGCAAAACCACCATTGGGGACAGGGAGGTGGATTCCGAC
GCCTACTATGTCTACAGACTCCAGGTGTCATCCATCAACGTCTCCGTGAAT
GCAGTGCAGACGGTGGTCCGCCAGGGTGAGAACATTACCCTCATGTGCAT
TGTGATCGGGAATGAGGTGGTCAACTTCGAGTGGATGTACCCCCGCAAAG
AAAGTGGGCGGCTGGTGGAGCCGGTGACCGACTTCCTCTTGGATATGCCT
TACCACATCCGCTCCATCCTGCACATCCCCAGTGCCGAGTTAGAAGACTC
GGGGACCTACACCTGCAATGTGACAGAGAGTGTGAATGACCATCAGGATG
AAAAGGCCATCAACATCACTGTGGTTGAGAGTGGCTACGTGCGGCTCCTG
GGAGAGGTGGGAGCACTACAATTTGCTGAGCTGCACCGGAGCCGGACAC
TGCAGGTAGTGTTCGAGGCCTACCCTCCGCCCACCGTCCTGTGGTTCAAA
GACAACCGCACCTTGGGCGACTCCAGCGCAGGCGAGATCGCCCTGTCCA
CGCGCAACGTGTCAGAGACCAGGTATGTGTCAGAGCTGACACTCGTTCGG

GTGAAGGTGGCAGAGGCTGGCCACTACACCATGCGGGCCTTCCATGAGG
ACGCTGAGGTCCAGCTCTCCTTCCAGCTACAGATCAATGTCCCTGTCCGC
GTGCTGGAGCTAAGTGAGAGCCACCCAGACAGCGGGGAACAGACAGTCC
GCTGTCGTGGCCGGGGCATGCCCCAGCCGAACATCATCTGGTCTGCCTG
CAGAGACCTCAAAAGGTGTCCACGCGAGCTGCCGCCCATGCTGCTGGGG
AACAGTTCTGAAGAGGAGAGCCAGCTGGAGACGAACGTGACATACTGGGA
GGAGGAGCAGGAGTTTGAGGTGGTGAGCACACTGCGTCTGCAGCACGTG
GATCGGCCACTGTCGGTGCGCTGCACGCTGCGCAACGCTGTGGGCCAGG
ACATGCAGGAGGTCATCGTGGTGCCACACTCTTTGCCCTTCAAGGCAGTG
GTGATCTCAGCCATCCTGGCCCTGGTGGTCCTCACCATCATCTCCCTTATC
ATCCTCATCATGCTTTGGCAGAAGAAGCCACGTTACGAGATCCGATGGAA
GGTGATTGAGTCTGTGAGCTCTGATGGCCATGAGTACATCTACGTGGACC
CCATGCAGCTGCCCTATGACTCCACGTGGGAGCTGCCGCGGGACCAGCT
TGTGCTGGGACGCACCCTCGGCTCTGGGGCCTTTGGGCAGGTGGTGGAG
GCCACGGCTCATGGCCTGAGCCATTCTCAGGCCACGATGAAAGTGGCCGT
CAAGATGCTTAAATCCACAGCCCGCAGCAGTGAGAAGCAAGCCCTCATGT
CGGAGCTGAAGATCATGAGTCACCTTGGGCCCCACCTGAACGTGGTCAAC
CTGTTGGGGGCCTGCACCAAAGGAGGACCCATCTATATCATCACTGAGTA
CTGCCGCTACGGAGACCTGGTGGACTACCTGCACCGCAACAAGCACACGT
TCCTGCAGCACCATTCCGACAAGCGCCGCCCGCCCAGCGCGGAGCTCTA
CAGCAATGCGCTGCCCGTTGGGCTCCCCCTGCCCAGCCACGTGTCCCTG
ACTGGGGAGAGCGATGGTGGCTACATGGACATGAGCAAGGACGAGTCGG
TGGACTACGTGCCCATGCTGGACATGAAAGGAGATGTCAAATATGCCGAC
ATCGAGTCCTCCAACTACATGGCCCCCTACGATAACTACGTTCCCTCTGCC
CCTGAGAGGACCTGTCGGGCAACTTTAATCAATGAGTCTCCGGTGCTAAG
CTACATGGACCTTGTGGGCTTCAGCTACCAGGTGGCCAATGGCATGGAGT
TCCTGGCCTCCAAGAACTGCGTGCACCGAGACCTGGCGGCCAGGAACGT
GCTCATCTGCGAGGGCAAGCTGGTCAAGATCTGTGACTTTGGCCTGGCTC
GAGACATCATGCGGGATTCGAATTACATCTCCAAAGGCAGTACCTTTTTGC
CTTTGAAGTGGATGGCTCCAGAGAGCATCTTCAACAGCCTCTACACCACC
CTGAGCGACGTGTGGTCCTTCGGGATCCTGCTCTGGGAGATCTTCACTTT

GGGTGGCACCCCTTACCCAGAGCTGCCCATGAATGAGCAGTTCTACAATG
CCATCAAACGGGGTTACCGCATGGCCCAGCCTGCCCACGCCTCCGACGA
GATCTATGAGATCATGCAGAAGTGCTGGGAAGAGAAGTTTGAGATTCGGC
CCCCTTTCTCCCAGCTGGTGCTGCTTCTCGAGAGACTGTTGGGCGAAGGT
TACAAAAAGAAGTACCAGCAGGTGGATGAGGAGTTTCTGAGGAGTGACCA
CCCAGCCATCCTTCGGTCCCAGGCCCGCTTGCCTGGGTTCCATGGCCTCC
GATCTCCCCTGGACAGCAGCTCCGTCCTCTATACCGCCGTGCAGCCCAAT
GAGGGTGACAACGACTATATCATCCCCCTGCCTGACCCCAAACCCGAGGT
TGCTGACGAGGGCCCACTGGAGGGTTCCCCCAGCCTAGCCAGCTCCACC
CTGAATGAAGTCAACACCTCCTCGACCATCTCCTGTGACAGCCCTCTGGA
GCCCCAGGAGGAACCAGAGCCAGAGCCCCAGCTTGAGCGCCAGGTGGAA
CCAGAGCCAGAGCTGGAACAGCTGCCGGATTCAGGGTGCCCCGCGCCTC
GAGCGGAAGCAGAGGACAGCTTCCTGTAGGGGGCTGGCCCCCACCCTGC
CCTGCCCAAAGCTTCCCCTCTGCCAGCACCCAGCACCTCCTGGCCTGGCC
GGGTCTCCTGTCAGCCAGGCTGCCCTTATCAGCTGTCCCCTTCTGGAAGC
TTTCTGCTCCTGACGTGTTGTGCCCCAAACCCTGGGGCTGGCTTAGGAGG
CAAGAAAACTGCAGGGGCCATGACCAGCCCTGTGCCTCCAGGGAGGCTA
ACTGACTCTGAGCCAGGGTTCCGCCCAGGGGACTCCGTTTTCCCATATGT
AAGATGGTAAAGTTGGGCTTGATGCCCAGAATCTAGGATTCTCTCCCTGGC
TGATAGGTAGGGAGGTCAAATCCCTCCCTGGAAAGATTCTTGGGGTTATTG
AGGTGGTAAATTAACTTTTTTCTGTTCAGCCAGCTACCCCTCAAGGAATCAT
AGCTCTCTCCTCGCACTTTTATCCACCCAGGAGCTAGGAAAGGGACCCTA
GCATCCCTGGCTGCTGCCTGAGCTGGGGCCTAGCCTTGGGCAGTGTTGC
CTCATCCAGAAGAAAGCCAGTCTCCTCCCTATGATGCCAGTCCCTGCTTTC
CCTGGCCCAAGCTGGTCTGGGGCCATTAGGCAGCCTAATTAATGCTGGAG
GCTGAGCCAAGTACAGGACACCCCCAGCCTGCAGCCCCTGCCCAGGGCA
CTTGGAGCACATGTGGCCATAGCAAGTGCCCGTGTCCCTGTCCTTCAGGC
CCATCAGTCCTGGAGCTTTTTCTTTATCACCCTCAGTCTTAATCCATCCACC
AGAGTCTGGAAGGCCAGACGGGCCCCGCATCTGTGATGAGAATGTAAATG
TGCCAGTGTGGAGTGGCCACATGTGTGTTCCAATATATGGCCCTGGCTCT
GCACTGGATCTGCTATGAGACTTTGGAGGAATCCCTCGCCCTCTCTGGGC

CTCAGTTTTCCCCTTGAAAAAATGAACAAGTCGGACTTATTAACTCCAAGTG
CCTTGCCAGCACTAACATTCTAGAATATTCCAGGTGGTCGCACATTTGTCC
AGATGAAGCAAGGTCATATACCCTAAACTTCCATCCTGGGGGGTCAGCTG
GGCTCCTGGGAGATTCCAGATCACACATCACACTCTGGGGACACAGGAAC
CATGCCCCTTCCCCAGGCCTCCAGCAAGTCTCAAGAACGCAGCTGTCCAG
GCCTTGACTTAAGAATGACAGCCGGTGTCTTGGAAAGCCCCCAGCAGCTG
CCCCAGGGACATGGGAAGACCACGGGACCTCTTTCACTACCCCCGATGAC
CTCTGAGGGTATCCCGGGCAAAAGAGACAGAGGGCAAATGAGATCACCTC
CTGCAGCCCACCACTCCAGCACCTGCGCCGAGGTCTGCGTCAGTTATGTC
TTGTAAAGGACAAGAAGCTTCAGATGGGTACTCCAAGAAGGATATGAGAG
GTGGGCGCTTTGGAGGTTTCCTCCTCAACCACCAGCTGCCCCATCCCTGA
GGCAGCACTCCGTGGGGGTATGGTTTTGTCACTGCCCAGACCTAGCAGTG
ACATCTCATTGTCCCCAGCCCAGTGAGCATTGGAGGTGCCAGGGGAGTCG
GTTGTAGCCAAGGCGTCCCAGCACGGGGAGGGTTGGGAAGGGGGTGCA
GGAAGGGCACCAGCCCTGCATTGCAGGTTGGCACCTTACTTCCCTGAGAT
CCCCAAAGTTGGTCCAAGGAGGGAGAGTGGGCTCTCAATACGGTACCAAA
GATATAATCACCTAGGTTTACAAATATTTTTAGGACTCACGTTAACTCACAT
TTATACAGCAGAAGTGCTATTTTGTATGCTGTTAAGTTTTTCTATCTGTGTA
CTTTTTTTAAGGGAAAGATTTTAATATTAAACCTGGTGCTTCTCACTCACAG
A

SEQ ID NO:88 (Human CFB)

GACTTCTGCAGTTTCTGTTTCCTTGACTGGCAGCTCAGCGGGGCCCTCCC
GCTTGGATGTTCCGGGAAAGTGATGTGGGTAGGACAGGCGGGGCGAGCC
GCAGGTGCCAGAACACAGATTGTATAAAAGGCTGGGGGCTGGTGGGGAG
CAGGGGAAGGGAATGTGACCAGGTCTAGGTCTGGAGTTTCAGCTTGGACA
CTGAGCCAAGCAGACAAGCAAAGCAAGCCAGGACACACCATCCTGCCCCA
GGCCCAGCTTCTCTCCTGCCTTCCAACGCCATGGGGAGCAATCTCAGCCC
CCAACTCTGCCTGATGCCCTTTATCTTGGGCCTCTTGTCTGGAGGTGTGAC
CACCACTCCATGGTCTTTGGCCCGGCCCCAGGGATCCTGCTCTCTGGAGG
GGGTAGAGATCAAAGGCGGCTCCTTCCGACTTCTCCAAGAGGGCCAGGC

ACTGGAGTACGTGTGTCCTTCTGGCTTCTACCCGTACCCTGTGCAGACAC
GTACCTGCAGATCTACGGGGTCCTGGAGCACCCTGAAGACTCAAGACCAA
AAGACTGTCAGGAAGGCAGAGTGCAGAGCAATCCACTGTCCAAGACCACA
CGACTTCGAGAACGGGGAATACTGGCCCCGGTCTCCCTACTACAATGTGA
GTGATGAGATCTCTTTCCACTGCTATGACGGTTACACTCTCCGGGGCTCTG
CCAATCGCACCTGCCAAGTGAATGGCCGATGGAGTGGGCAGACAGCGAT
CTGTGACAACGGAGCGGGGTACTGCTCCAACCCGGGCATCCCCATTGGC
ACAAGGAAGGTGGGCAGCCAGTACCGCCTTGAAGACAGCGTCACCTACCA
CTGCAGCCGGGGGCTTACCCTGCGTGGCTCCCAGCGGCGAACGTGTCAG
GAAGGTGGCTCTTGGAGCGGGACGGAGCCTTCCTGCCAAGACTCCTTCAT
GTACGACACCCCTCAAGAGGTGGCCGAAGCTTTCCTGTCTTCCCTGACAG
AGACCATAGAAGGAGTCGATGCTGAGGATGGGCACGGCCCAGGGGAACA
ACAGAAGCGGAAGATCGTCCTGGACCCTTCAGGCTCCATGAACATCTACC
TGGTGCTAGATGGATCAGACAGCATTGGGGCCAGCAACTTCACAGGAGCC
AAAAAGTGTCTAGTCAACTTAATTGAGAAGGTGGCAAGTTATGGTGTGAAG
CCAAGATATGGTCTAGTGACATATGCCACATACCCCAAAATTTGGGTCAAA
GTGTCTGAAGCAGACAGCAGTAATGCAGACTGGGTCACGAAGCAGCTCAA
TGAAATCAATTATGAAGACCACAAGTTGAAGTCAGGGACTAACACCAAGAA
GGCCCTCCAGGCAGTGTACAGCATGATGAGCTGGCCAGATGACGTCCCTC
CTGAAGGCTGGAACCGCACCCGCCATGTCATCATCCTCATGACTGATGGA
TTGCACAACATGGGCGGGGACCCAATTACTGTCATTGATGAGATCCGGGA
CTTGCTATACATTGGCAAGGATCGCAAAAACCCAAGGGAGGATTATCTGGA
TGTCTATGTGTTTGGGGTCGGGCCTTTGGTGAACCAAGTGAACATCAATGC
TTTGGCTTCCAAGAAAGACAATGAGCAACATGTGTTCAAAGTCAAGGATAT
GGAAAACCTGGAAGATGTTTTCTACCAAATGATCGATGAAAGCCAGTCTCT
GAGTCTCTGTGGCATGGTTTGGGAACACAGGAAGGGTACCGATTACCACA
AGCAACCATGGCAGGCCAAGATCTCAGTCATTCGCCCTTCAAAGGGACAC
GAGAGCTGTATGGGGGCTGTGGTGTCTGAGTACTTTGTGCTGACAGCAGC
ACATTGTTTCACTGTGGATGACAAGGAACACTCAATCAAGGTCAGCGTAGG
AGGGGAGAAGCGGGACCTGGAGATAGAAGTAGTCCTATTTCACCCCAACT
ACAACATTAATGGGAAAAAAGAAGCAGGAATTCCTGAATTTTATGACTATGA

CGTTGCCCTGATCAAGCTCAAGAATAAGCTGAAATATGGCCAGACTATCAG
GCCCATTTGTCTCCCCTGCACCGAGGGAACAACTCGAGCTTTGAGGCTTC
CTCCAACTACCACTTGCCAGCAACAAAAGGAAGAGCTGCTCCCTGCACAG
GATATCAAAGCTCTGTTTGTGTCTGAGGAGGAGAAAAAGCTGACTCGGAA
GGAGGTCTACATCAAGAATGGGGATAAGAAAGGCAGCTGTGAGAGAGATG
CTCAATATGCCCCAGGCTATGACAAAGTCAAGGACATCTCAGAGGTGGTC
ACCCCTCGGTTCCTTTGTACTGGAGGAGTGAGTCCCTATGCTGACCCCAA
TACTTGCAGAGGTGATTCTGGCGGCCCCTTGATAGTTCACAAGAGAAGTC
GTTTCATTCAAGTTGGTGTAATCAGCTGGGGAGTAGTGGATGTCTGCAAAA
ACCAGAAGCGGCAAAAGCAGGTACCTGCTCACGCCCGAGACTTTCACATC
AACCTCTTTCAAGTGCTGCCCTGGCTGAAGGAGAAACTCCAAGATGAGGA
TTTGGGTTTTCTATAAGGGGTTTCCTGCTGGACAGGGGCGTGGGATTGAA
TTAAAACAGCTGCGACAACAAAAAAAAAAAAAAAAAAA

SEQ ID NO:89 (mouse CFB)

GCTCCATCACACAGTCCATGGAAAGACTGATCTTTTAAATTGGGGGTAGTG
GAGGTGGTGGTCTGTGCTTGTTAGGAGGGGTCTGGGGGCTAAGAGGGAG
CTTTGAAAGGGAAGTTCTGGCCCTTGGTCAGTCAAGGGTGGGGCTCACAT
AGTTTCTGTTTCCTCAGTTGGCAGTTCAGCTGGGGCCCTCCTTCATGAATG
TTCCGGGAAGCAGTGGCTGCGTGCGCAGGGTAGGCTGGCCAGGCTGCAG
ATGCCAGAGCAGATTGCATAAAAGGTTAGGGGACAGTGGGAAAGGGGTGT
AGCCAGATCCAGCATTTGGGTTTCAGTTTGGACAGGAGGTCAAATAGGCA
CCCAGAGTGACCTGGAGAGGGCTTTGGGCCACTGGACTCTCTGGTGCTTT
CCATGACAATGGAGAGCCCCCAGCTCTGCCTCGTCCTCTTGGTCTTAGGC
TTCTCCTCTGGAGGTGTGAGCGCAACTCCAGTGCTTGAGGCCCGGCCCCA
AGTCTCCTGCTCTCTGGAGGGAGTAGAGATCAAAGGCGGCTCCTTTCAAC
TTCTCCAAGGCGGTCAGGCCCTGGAGTACCTATGTCCCTCTGGCTTCTAC
CCATACCCCGTGCAGACTCGAACCTGCAGATCCACAGGCTCCTGGAGCGA
CCTGCAGACCCGAGACCAAAAGATTGTCCAGAAGGCGGAATGCAGAGCAA
TACGCTGCCCACGACCGCAGGACTTTGAAAATGGGGAATTCTGGCCCCGG
TCCCCCTTCTACAACCTGAGTGACCAGATTTCTTTTCAATGCTATGATGGTT

ACGTTCTCCGGGGCTCTGCTAATCGCACCTGCCAAGAGAATGGCCGGTGG
GATGGGCAAACAGCAATTTGTGATGATGGAGCTGGATACTGTCCCAATCC
CGGTATTCCTATTGGGACAAGGAAGGTGGGTAGCCAATACCGCCTTGAAG
ACATTGTTACTTACCACTGCAGCCGGGGACTTGTCCTGCGTGGCTCCCAG
AAGCGAAAGTGTCAAGAAGGTGGCTCATGGAGTGGGACAGAGCCTTCCTG
CCAAGATTCCTTCATGTATGACAGCCCTCAAGAAGTGGCCGAAGCATTCCT
ATCCTCCCTGACAGAGACCATCGAAGGAGCCGATGCTGAGGATGGGCACA
GCCCAGGAGAACAGCAGAAGAGGAAGATTGTCCTAGACCCCTCGGGCTC
CATGAATATCTACCTGGTGCTAGATGGATCAGACAGCATCGGAAGCAGCA
ACTTCACAGGGGCTAAGCGGTGCCTCACCAACTTGATTGAGAAGGTGGCG
AGTTACGGGGTGAGGCCACGATATGGTCTCCTGACATATGCTACAGTCCC
CAAAGTGTTGGTCAGAGTGTCTGATGAGAGGAGTAGCGATGCCGACTGGG
TCACAGAGAAGCTCAACCAAATCAGTTATGAAGACCACAAGCTGAAGTCAG
GGACCAACACCAAGAGGGCTCTCCAGGCTGTGTATAGCATGATGAGCTGG
GCAGGGGATGCCCCGCCTGAAGGCTGGAATAGAACCCGCCATGTCATCAT
CATTATGACTGATGGCTTGCACAACATGGGTGGAAACCCTGTCACTGTCAT
TCAGGACATCCGAGCCTTGCTGGACATCGGCAGGGATCCCAAAAATCCCA
GGGAGGATTACCTGGATGTGTATGTGTTTGGGGTCGGGCCTCTGGTGGAC
TCCGTGAACATCAATGCCTTAGCTTCCAAAAAGGACAATGAGCATCATGTG
TTTAAAGTCAAGGATATGGAAGACCTGGAGAATGTTTTCTACCAAATGATT
GATGAAACCAAATCTCTGAGTCTCTGTGGCATGGTGTGGGAGCATAAAAAA
GGCAACGATTATCATAAGCAACCATGGCAAGCCAAGATCTCAGTCACTCG
CCCTCTGAAAGGACATGAGACCTGTATGGGGGCCGTGGTGTCTGAGTACT
TCGTGCTGACAGCAGCGCACTGCTTCATGGTGGATGATCAGAAACATTCC
ATCAAGGTCAGCGTGGGGGGTCAGAGGCGGGACCTGGAGATTGAAGAGG
TCCTGTTCCACCCCAAATACAATATTAATGGGAAAAAGGCAGAAGGGATCC
CTGAGTTCTATGATTATGATGTGGCCCTAGTCAAGCTCAAGAACAAGCTCA
AGTATGGCCAGACTCTCAGGCCCATCTGTCTCCCCTGCACGGAGGGAACC
ACACGAGCCTTGAGGCTTCCTCAGACAGCCACCTGCAAGCAGCACAAGGA
ACAGTTGCTCCCTGTGAAGGATGTCAAAGCTCTGTTTGTATCTGAGCAAGG
GAAGAGCCTGACTCGGAAGGAGGTGTACATCAAGAATGGGGACAAGCCA

GTTGTGAGAGAGATGCTACAAAGGCCCAAGGCTATGAGAAGGTCAAAGAT
GCCTCTGAGGTGGTCACTCCACGGTTCCTCTGCACAGGAGGGGTGGATC
CCTATGCTGACCCCAACACATGCAAAGGAGATTCCGGGGGCCCTCTCATT
GTTCACAAGAGAAGCCGCTTCATTCAAGTTGGTGTGATTAGCTGGGGAGT
AGTAGATGTCTGCAGAGACCAGAGGCGGCAACAGCTGGTACCCTCTTATG
CCCGGGACTTCCACATCAACCTCTTCCAGGTGCTGCCCTGGCTAAAGGAC
AAGCTCAAAGATGAGGATTTGGGTTTTCTATAAAGAGCTTCCTGCAGGGAG
AGTGTGAGGACAGATTAAAGCAGTTACAATAACAAAAAAAAAAAAAAAAAA
AAA

SEQ ID NO:90 (macaque CFB)

ATAGATATATTAGCATCAGGGAGACAGGGCAAAGGTTCCACCCTTCAGCTC
AGTCCCCAGTCCCTGCTTATTATTTCCCTAACAGAAGACCATCCCCCTTGC
CACTCCCTGGGTTTTCTTCTCTGGCAGCAATGAAGCAGCTGCTGAGCCAG
CTCTGGTTTTCGGGAAGTCAGATGACCTTTTCCCTCCCGCGGCTCTCTGC
CTCTCGCTGTCCCTAGGGAGGACACCATGGACCCACTGATGGTTCTTTTTT
GCCTGCTGTTCCTGTACCCAGGTCCGGCAGACTCGGCTACCTCCTGCCCT
CAGAACGTGAATATCTCTGGTGGCACCTTCACCCTCAGCCATGGCTGGGC
CCCTGGGAGCCTTCTCATCTACTCCTGTCCCCAGGGCCTGTACCCATCCC
CAGCGTCACGGCTGTGCAAGAGCAGCGGACAGTGGCAGACCCCAAGAGC
CACCCGGTCTCTGACTAAGGCGGTCTGCAAACCTGGCCACTGCCCCAACC
CCGGCATTTCGCTGGGCGCGGTGCGGACAGGCTCCCGCTTTGGTCATGG
GGACAAGGTCCGCTATCGCTGCTCCTCGAATCTTGTGCTCACGGGGTCTG
CGGAGCGGGAGTGCCAGGGCAACGGGGTCTGGAGTGGAACGGAGCCCA
TCTGCCGCCAGCCCTACTCTTATGACTTCCCTGAGGACGTGGCCCCTGCC
CTGGGCACCTCCTTCTCCCACATGCTTGGGGCCACCAATCCCACCCAGAG
GACAAAGGATCATGAAAATGGAACTGGGACTAACACCTATGCAGCCCTAAA
CAGTGTCTATCTCATGATGAACAATCAAATGCAACTCCTTGGCATGAAAAC
GATGGCCTGGCAGGAAATCCGACATGCCATCATCCTTCTGACAGATGGAA
AGTCCAATATGGGTGGCTCTCCCAAAACAGCTGTTGACCAAATCAGAGAG
ATCTTGAATATCAACCAGAAGAGGAATGACTATCTGGACATCTATGCCATC

GGGGTGGGCAAGCTGGATGTGGACTGGAGAGAACTGAATGAGCTGGGGT
CCAAGAAGGATGGCGAGAGGCATGCCTTCATTCTGCAGGACACAAAGGCT
CTGCACCAGGTCTTTGAACATATGCTGGATGTCTCCAAGCTCACAGACACC
ATCTGCGGGGTGGGGAACATGTCAGCAAACGCCTCTGACCAAGAGAGGA
CACCCTGGCATGTCACTATTAAGCCCAAGAGCCAAGAGACCTGCCGGGGA
GCCCTCATCTCCGACCAATGGGTCCTGACAGCGGCTCACTGCTTCCGCGA
TGGCAACGACCACTCCCTATGGAGGGTCAATGTGGGAGACCCCAAATCCC
AGTGGGGCAAAGAATTCCTTATTGAGAAGGCAGTGATTTCCCCAGGATTTG
ATGTCTTTGCCAAAAAGAACCAGGGAATCCTGGAGTTCTATGGTGATGACA
TCGCCCTGCTGAAGCTGGCCCAGAAAGTAAAGATGTCCACCCATGCCAGG
CCCATCTGCCTTCCCTGCACCATGGAGGCCAATCTGGCTCTGCGGAGACC
TCAAGGCAGCACCTGTAGGGACCATGAGAATGAACTGCTGAACAAACAGA
GTGTTCCTGCTCATTTTGTCGCCTTGAATGGGAGCAAACTGAACATTAACC
TTAAGATGGGAGTGGAGTGGACAAGCTGTGCCGAGGTCGTCTCCCAAGAA
AAAACCATGTTCCCCAACTTGACAGATGTCAGGGAGGTGGTGACAGACCA
GTTTCTATGCAGTGGGACCCAGGAGGATGAGAGTCCCTGCAAGGGTGTGA
CCACCACTCCATTGTCTTCGGCCCAGCCTCAAGGATCCTGCTCTCTGGAG
GGGGTAGAGATCAAAGGTGGCTCCTTCCGACTTCTCCAAGAGGGCCAGG
CACTGGAATACGTGTGTCCTTCTGGCTTCTACCCGTACCCTGTGCAGACAC
GTACCTGCAGATCCACGGGGTCCTGGAGCACCCTGCAGACTCAAGATCGA
AAAACTGTCAAGAAGGCAGAGTGCAGAGCAATCCGCTGTCCACGACCACA
GGACTTCGAGAACGGGGAATACCGGCCCCGGTCTCCCTACTACAATGTGA
GTGATGAGATCTCTTTCCACTGCTATGACGGTTACACTCTCCGGGGCTCTG
CCAATCGCACCTGCCAAGTGAATGGCCGGTGGAGTGGGCAGACAGCGAT
CTGTGACAACGGAGCGGGGTACTGCTCCAACCCAGGCATCCCCATTGGCA
CAAGGAAGGTGGGCAGCCGGTACCGCCTTGAAGACAGCGTCACCTACCA
CTGCAGCCGGGGGCTTACCCTGCGTGGCTCCCAGCGGCGAACATGTCAG
GAAGGTGGCTCTTGGAGCGGGACGGAGCCTTCCTGCCAAGACTCCTTCAT
GTACGACACCCCTCAAGAGGTGGCCGAAGCTTTCCTGTCTTCCCTGACGG
AGACCATAGAAGGAGTCGATGCCGAGGATGGGCACAGCCCAGGGGAACA
ACAGAAGCGGAGGATCATCCTAGACCCTTCAGGCTCCATGAACATCTACC

TGGTGCTAGATGGATCAGACAGCATTGGGGCCGGCAACTTCACAGGAGCC
AAAAAGTGTCTAGTCAACTTAATTGAGAAGGTGGCAAGTTATGGTGTGAAG
CCAAGATATGCTCTAGTGACATATGCCACATACCCCAGAATTTGGGTCAAA
GTGTCTGACCAAGAGAGCAGCAATGCAGACTGGGTCACGAAGAAGCTCAG
TGAAATCAATTATGAAGACCACAAGTTGAAGTCAGGGACTAACACCAAGAG
GGCCCTCCAGGCAGTGTACAGCATGATGAGTTGGCCAGAGGACATCCCTC
CTGAAGGCTGGAACCGCACCCGCCATGTCATCATCCTCATGACCGATGGA
TTGCACAACATGGGCGGGGACCCAATTACTGTCATTGATGAGATCCGGGA
CTTGTTATACATCGGCAAGGATCGTAAAAACCCGAGGGAGGATTATCTGGA
TGTCTATGTGTTTGGGGTTGGACCTTTGGTGGACCAAGTGAACATCAATGC
TTTGGCTTCCAAGAAAGACAATGAGCAACATGTGTTCAAAGTCAAGGATAT
GGAAAACCTGGAAGACGTTTTCTTCCAAATGATTGATGAAAGCCAGTCTCT
GAGTCTCTGTGGCATGGTTTGGGAACACAGCAAGGGTACCGATTACCACA
AGCAACCATGGCAGGCCAAGATCTCAGTCACTCGCCCTTCGAAGGGACAT
GAGAGCTGTATGGGGGCTGTGGTGTCTGAGTACTTTGTGCTGACAGCAGC
ACATTGTTTTACTGTGGACGACAAGGAACACTCAATCAAGGTCAGCGTGG
GAGGGAAGAAGCGGGACCTGGAGATAGAAAAAGTCCTATTTCACCCCGAC
TACAACATTAGCGAGAAAAAAGAAGCAGGAATTCCTGAATTTTATGACTAT
GACGTTGCCCTGATCAAGCTCAAGAATAAGTTGAATTATGACCCGACTATC
AGGCCCATTTGTCTCCCCTGCACCGAGGGAACAACTCGAGCTTTGAGGCT
TCCTCCAACTACCACTTGCCAGCAACAGAAGGAAGAGCTGCTCCCTGCAC
AGGATATCAAAGCTCTGTTTGTGTCTGAGGAGGAGAAGAAGCTGACTCGG
AAGGAGGTCTACATCAAGAATGGGGATAAGAAAGGCAGCTGTGAGAGAGA
TGCTCAATATGCCCCAGGCTATGACAAAGTCAAGGACATCTCGGAGGTGG
TCACCCCTCGGTTCCTTTGTACTGGAGGAGTGAGTCCCTATGCTGACCCC
AATACTTGCAGAGGTGATTCTGGCGGCCCCTTGATAGTTCACAAGAGAAGT
CGTTTCATTCAAGTTGGTGTCATCAGCTGGGGAGTAGTGGATGTCTGCAAA
AACCAGAAGCGGCAAAAGCAGGTACCTGCTCACGCCCGAGACTTTCACGT
CAACCTCTTCCAAGTGCTGCCCTGGCTGAAGGAGAAACTCCAAGATGAGG
ATTTGGGTTTTCTCTAAGGGGTTTCCTGCTGGACAGGGGCGCGGGATTGA
ATTAAAACAGCTGCGACAACACTT

SEQ ID NO:91 (miR-1)

GGATCCGGTATATTGCTGTTGACAGTGAGCGTGCAAGAGCTCCAGAGAGA
AGACTGTGAAGCAGATGGGTCTTCTCTCTGGAGCTCTTGCTCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:92 (miR-12)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGCCTCCGAAACCATGAAC
TTACTGTGAAGCAGATGGGTAAGTTCATGGTTTCGGAGGCCCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:93 (miR-3)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGAGACCCTGGTGGACATC
TTACTGTGAAGCAGATGGGTAAGATGTCCACCAGGGTCTCGCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:94 (miR-4)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACACATAGGAGAGATGAGC
TTACTGTGAAGCAGATGGGTAAGCTCATCTCTCCTATGTGCCGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:95 (miR-5)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGAATGCAGACCAAAGAAA
GAACTGTGAAGCAGATGGGTTCTTTCTTTGGTCTGCATTCACGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:96 (miR-6)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAAGAACAGTCCTTAATCCAG
AACTGTGAAGCAGATGGGTTCTGGATTAAGGACTGTTCTGCGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:97 (miR-7)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACTGGGATTCCTGTAGACA
CAACTGTGAAGCAGATGGGTTGTGTCTACAGGAATCCCAGACGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:98 (miR-8)

GGATCCGGTATATTGCTGTTGACAGTGAGCGATAGACACACCCACCCACA
TAACTGTGAAGCAGATGGGTTATGTGGGTGGGTGTGTCTACCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:99 (miR-9)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGTGCTACTGTTTATCCGTA
AACTGTGAAGCAGATGGGTTTACGGATAAACAGTAGCACCCGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:100 (miR-10)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGAGATATTCCGTAGTACAT
AACTGTGAAGCAGATGGGTTATGTACTACGGAATATCTCGCGCCTACTGCC
TCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:101 (miR-V-1)

GGATCCGGTATATTGCTGTTGACAGTGAGCGATGGACTGGCTTTGGCCCA
ATACTGTGAAGCAGATGGGTATTGGGCCAAAGCCAGTCCAACGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:102 (miR-V-2)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACCAGCTACATGATCAGCT
ATACTGTGAAGCAGATGGGTATAGCTGATCATGTAGCTGGGCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:103 (miR-V-3)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACCATGTTCTTCTGGCTACT
TACTGTGAAGCAGATGGGTAAGTAGCCAGAAGAACATGGCCGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:104 (miR-V-4)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGGACCGTTAAGCGGGCCA
ATACTGTGAAGCAGATGGGTATTGGCCCGCTTAACGGTCCGCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:105 (miR-V-5)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACATGGTGATTGTGGAATTC
TACTGTGAAGCAGATGGGTAGAATTCCACAATCACCATGACGCCTACTGCC
TCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:106 (miR-V-6)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACTGACCTTGGAGCATCTC
ATACTGTGAAGCAGATGGGTATGAGATGCTCCAAGGTCAGGCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:107 (miR-V-7)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGGAGCATCTCATCTGTTAC
AACTGTGAAGCAGATGGGTTGTAACAGATGAGATGCTCCACGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:108 (miR-V-8)

GGATCCGGTATATTGCTGTTGACAGTGAGCGAGCTAAGGGCATGGAGTTC
TTACTGTGAAGCAGATGGGTAAGAACTCCATGCCCTTAGCCCGCCTACTG
CCTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:109 (miR-V-9)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACCAGAAATGTACCAGACC
ATACTGTGAAGCAGATGGGTATGGTCTGGTACATTTCTGGACGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:110 (miR-V-10)

GGATCCGGTATATTGCTGTTGACAGTGAGCGACCCCAAATTCCATTATGAC
AACTGTGAAGCAGATGGGTTGTCATAATGGAATTTGGGGACGCCTACTGC
CTCGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO:111 (miR-P-1)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGTCTCCAGGTGTCA
TCCATCAAACTGTGAAGCAGATGGGTTTGATGGATGACACCTGGAGTCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:112 (miR-P-2)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGTGGTGTCATCCAT
CAACGTCTACTGTGAAGCAGATGGGTAGACGTTGATGGATGACACCTCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:113 (miR-P-3)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGACATGAGTACATC
TACGTGGAACTGTGAAGCAGATGGGTTCCACGTAGATGTACTCATGGCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:114 (miR-P-4)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGAGACCTCGTGGGC
TTCAGCTAACTGTGAAGCAGATGGGTTAGCTGAAGCCCACGAGGTCCCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:115 (miR-P-5)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGTGGCAAGCTGGTC
AAGATCTGACTGTGAAGCAGATGGGTCAGATCTTGACCAGCTTGCCTCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:116 (miR-P-6)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGAGAGAGCATCTTC
AACAGCCTACTGTGAAGCAGATGGGTAGGCTGTTGAAGATGCTCTCCCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:117 (miR-P-7)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGACATCTTCAACAG
CCTCTACAACTGTGAAGCAGATGGGTTGTAGAGGCTGTTGAAGATGCCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:118 (miR-P-8)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGACCAGAGCTGCCC
ATGAACGAACTGTGAAGCAGATGGGTTCGTTCATGGGCAGCTCTGGGCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:119 (miR-P-9)

GGTACCGGTATATTGCTGTTGACAGTGAGCGACAGTTCTACAATGCCATCA
AACTGTGAAGCAGATGGGTTTGATGGCATTGTAGAACTGCCGCCTACTGC
CTCGGACTTCAACAATTGTTTTT

SEQ ID NO:120 (miR-P-10)

GGATCCGGTACCGGTATATTGCTGTTGACAGTGAGCGACATGCCTCCGAC
GAGATCTAACTGTGAAGCAGATGGGTTAGATCTCGTCGGAGGCATGGCGC
CTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO:121 (miR-C-1)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGATGCCAAGACTCC
TTCATGTAACTGTGAAGCAGATGGGTTACATGAAGGAGTCTTGGCAGCGC
CTACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:122 (miR-C-2)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGAAACATCTACCTG
GTGCTAGAACTGTGAAGCAGATGGGTTCTAGCACCAGGTAGATGTTCCGC
CTACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:123 (miR-C-3)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGAGGTGCTAGATGG
ATCAGACAACTGTGAAGCAGATGGGTTGTCTGATCCATCTAGCACCACGC
CTACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:124 (miR-C-4)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGACTAGATGGATCA
GACAGCATACTGTGAAGCAGATGGGTATGCTGTCTGATCCATCTAGCCGC
CTACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:125 (miR-C-5)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGAGAGGATTATCTG
GATGTCTAACTGTGAAGCAGATGGGTTAGACATCCAGATAATCCTCCCGCC
TACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:126 (miR-C-6)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGATCTCTGAGTCTCT
GTGGCATACTGTGAAGCAGATGGGTATGCCACAGAGACTCAGAGACCGCC
TACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:127 (miR-C-7)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGAGCTGTGGTGTCT
GAGTACTTACTGTGAAGCAGATGGGTAAGTACTCAGACACCACAGCCCGC
CTACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:128 (miR-C-8)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGAAGGATATCAAAG
CTCTGTTTACTGTGAAGCAGATGGGTAAACAGAGCTTTGATATCCTGCGCC
TACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:129 (miR-C-9)

GGATCCGCTAGCGGTATATTGCTGTTGACAGTGAGCGACGGAAGGAGGTC
TACATCAAACTGTGAAGCAGATGGGTTTGATGTAGACCTCCTTCCGACGCC
TACTGCCTCGGACTTCAAGGTACCTTTTTAAGCTT

SEQ ID NO:130 (qRT PCR RNA)

UGGGUUAUGUGGGUGGGUGUGUCUACCGCCU

SEQ ID NO:131 (Primer for qRT PCR)

TATGTGGGTGGGTGTGTCTAC

SEQ ID NO: 132 (U6-miR-7)

CCTAAGGCCCAGTGGAAAGACGCGCAGGCAAAACGCACCACGTGACGGA
GCGTGACCGCGCGCCGAGCGCGCGCCAAGGTCGGGCAGGAAGAGGGCC
TATTTCCCATGATTCCTTCATATTTGCATATACGATACAAGGCTGTTAGAGA
GATAATTAGAATTAATTTGACTGTAAACACAAAGATATTAGTACAAAATACG
TGACGTAGAAAGTAATAATTTCTTGGGTAGTTTGCAGTTTTAAAATTATGTT
TTAAAATGGACTATCATATGCTTACCGTAACTTGAAAGTATTTCGATTTCTT
GGGTTTATATATCTTGTGGAAAGGACGCGGGATCCGGTATATTGCTGTTGA
CAGTGAGCGACTGGGATTCCTGTAGACACAACTGTGAAGCAGATGGGTTG
TGTCTACAGGAATCCCAGACGCCTACTGCCTCGGACTTCAAGCTAGCGGT
ACCTTTTTAAGCTT

SEQ ID NO: 133 (VDM2-miR-7)

CCTAAGGCATTCTTTCCATAGCCCACAGGGCTGTCAAAGACCCCAGGGCC
TAGTCAGAGGCTCCTCCTTCCTGGAGAGTTCCTGGCACAGAAGTTGAAGC
TCAGCACAGCCCCCTAACCCCCAACTCTCTCTGCAAGGCCTCAGGGGTCA
GAACACTGGTGGAGCAGATCCTTTAGCCTCTGGATTTTAGGGCCATGGTA
GAGGGGGTGTTGCCCTAAATTCCAGCCCTGGTCTCAGCCCAACACCCTCC
AAGAAGAAATTAGAGGGGCCATGGCCAGGCTGTGCTAGCCGTTGCTTCTG
AGCAGATTACAAGAAGGGACTAAGACAAGGACTCCTTTGTGGAGGTCCTG
GCTTAGGGAGTCAAGTGACGGCGGCTCAGCACTCACGTGGGCAGTGCCA
GCCTCTAAGAGTGGGCAGGGGCACTGGCCACAGAGTCCCAGGGAGTCCC
ACCAGCCTAGTCGCCAGACCGGATCCGGTATATTGCTGTTGACAGTGAGC
GACTGGGATTCCTGTAGACACAACTGTGAAGCAGATGGGTTGTGTCTACA
GGAATCCCAGACGCCTACTGCCTCGGACTTCAAGCTAGCGGTACCTTTTTA
AGCTT

SEQ ID NO: 134 (ICAM2-miR-7)

CCTAAGGATGGGATTTGGGGTTCCCCAGATCTGGGGCTTGTAGGCCTGAC
TCTCCCCTGTGCACACGTCTCATACACGCATGCGTGCACCCATTGCCTGC
CCCGCCCCTTGCACAGGGAGTCAGCAGGGAGGACTGGGTTATGCCCTGC
TTATCAGCAGCTTCCCAGCTTCCTCTGCCTGGATTCTTAGAGGCCTGGGGT
CCTAGAACGAGCTGGTGCACGTGGCTTCCCAAAGATCTCTCAGATAATGA
GAGGAAATGCAGTCATCAGTTTGCAGAAGGCTAGGGATTCTGGGCCATAG
CTCAGACCTGCGCCCACCATCTCCCTCCAGGCAGCCCTTGGGGATCCGGT
ATATTGCTGTTGACAGTGAGCGACTGGGATTCCTGTAGACACAACTGTGAA
GCAGATGGGTTGTGTCTACAGGAATCCCAGACGCCTACTGCCTCGGACTT
CAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO: 135 (RPE65-miR-7)

CCTAAGGTTCCAAGGACTTCTTTGGGCAGTACCTTGTCTGTGCTGGCAAG
CAACTGAGACTTAATGAAAGAGTATTGGAGATATGAATGAATTGATGCTGT
ATACTCTCAGAGTGCCAAACATATACCAATGGACAAGAAGGTGAGGCAGA

GAGCAGACAGGCATTAGTGACAAGCAAAGATATGCAGAATTTCATTCTCAG
CAAATCAAAAGTCCTCAACCTGGTTGGAAGAATATTGGCACTGAATGGTAT
CAATAAGGTTGCTAGAGAGGGTTAGAGGTGCACAATGTGCTTCCATAACAT
TTTATACTTCTCCAATCTTAGCACTAATCAAACATGGTTGAATACTTTGTTTA
CTATAACTCTTACAGAGTTATAAGATCTGTGAAGACAGGGACAGGGACAAT
ACCCATCTCTGTCTGGTTCATAGGTGGTATGTAATAGATATTTTTAAAAATA
AGTGAGTTAATGAATGAGGGTGAGAATGAAGGCACAGAGGTATTAGGGGG
AGGTGGGCCCCAGAGAATGGTGCCAAGGTCCAGTGGGGTGACTGGGATC
AGCTCAGGCCTGACGCTGGCCACTCCCACCTAGCTCCTTTCTTTCTAATCT
GTTCTCATTCTCCTTGGGAAGGATTGAGGTCTCTGGAAAACAGCCAAACAA
CTGTTATGGGAACAGCAAGCCCAAATAAAGCCAAGCATCAGGGGGATCTG
AGAGCTGAAAGCAACTTCTGTTCCCCCTCCCTCAGCTGAAGGGGTGGGGA
AGGGCTCCCAAAGCCATAACTCCTTTTAAGGGATTTAGAAGGCATAAAAAG
GCCCCTGGCTGAGAACTTCCTTCTTCATTCTGCAGTGGATCCGGTATATTG
CTGTTGACAGTGAGCGACTGGGATTCCTGTAGACACAACTGTGAAGCAGA
TGGGTTGTGTCTACAGGAATCCCAGACGCCTACTGCCTCGGACTTCAAGC
TAGCGGTACCTTTTTAAGCTT

SEQ ID NO: 136 (FLT-miR-7)

CCTAAGGGCGCTCCCGGGCCCGCGTCGCCAGCACCTCCCCACGCGCGCT
CGGCCCCGGGCCACCCGCCCTCGTCGGCCCCCGCCCCTCTCCGTAGCC
GCAGGGAAGCGAGCCTGGGAGGAAGAAGAGGGTAGGTGGGGAGGCGGA
TGAGGGGTGGGGGACCCCTTGACGTCACCAGAAGGAGGTGCCGGGGTAG
GAAGTGGGCTGGGGAAAGGTTATAAATCGCCCCCGCCCTCGGCTGCTCTT
CATCGAGGTCCGCGGGAGGCTCGGAGCGCGCCAGGCGGACACTCCTGG
ATCCGGTATATTGCTGTTGACAGTGAGCGACTGGGATTCCTGTAGACACAA
CTGTGAAGCAGATGGGTTGTGTCTACAGGAATCCCAGACGCCTACTGCCT
CGGACTTCAAGCTAGCGGTACCTTTTTAAGCTT

SEQ ID NO: 137 (U6-miR-7-MiR-V-7)

CCTAAGGCCCAGTGGAAAGACGCGCAGGCAAAACGCACCACGTGACGGA
GCGTGACCGCGCGCCGAGCGCGCGCCAAGGTCGGGCAGGAAGAGGGCC
TATTTCCCATGATTCCTTCATATTTGCATATACGATACAAGGCTGTTAGAGA
GATAATTAGAATTAATTTGACTGTAAACACAAAGATATTAGTACAAAATACG
TGACGTAGAAAGTAATAATTTCTTGGGTAGTTTGCAGTTTTAAAATTATGTT
TTAAAATGGACTATCATATGCTTACCGTAACTTGAAAGTATTTCGATTTCTT
GGGTTTATATATCTTGTGGAAAGGACGCGGGATCCGGTATATTGCTGTTGA
CAGTGAGCGACTGGGATTCCTGTAGACACAACTGTGAAGCAGATGGGTTG
TGTCTACAGGAATCCCAGACGCCTACTGCCTCGGACTTCAAGCTAGCGGT
ACCGGTATATTGCTGTTGACAGTGAGCGAGGAGCATCTCATCTGTTACAAC
TGTGAAGCAGATGGGTTGTAACAGATGAGATGCTCCACGCCTACTGCCTC
GGACTTCAATTTTTAAGCTT

SEQ ID NO: 138 (VDM2-miR-7-miR-V-7)

CCTAAGGCATTCTTTCCATAGCCCACAGGGCTGTCAAAGACCCCAGGGCC
TAGTCAGAGGCTCCTCCTTCCTGGAGAGTTCCTGGCACAGAAGTTGAAGC
TCAGCACAGCCCCCTAACCCCCAACTCTCTCTGCAAGGCCTCAGGGGTCA
GAACACTGGTGGAGCAGATCCTTTAGCCTCTGGATTTTAGGGCCATGGTA
GAGGGGGTGTTGCCCTAAATTCCAGCCCTGGTCTCAGCCCAACACCCTCC
AAGAAGAAATTAGAGGGGCCATGGCCAGGCTGTGCTAGCCGTTGCTTCTG
AGCAGATTACAAGAAGGGACTAAGACAAGGACTCCTTTGTGGAGGTCCTG
GCTTAGGGAGTCAAGTGACGGCGGCTCAGCACTCACGTGGGCAGTGCCA
GCCTCTAAGAGTGGGCAGGGGCACTGGCCACAGAGTCCCAGGGAGTCCC
ACCAGCCTAGTCGCCAGACCGATCCGGTATATTGCTGTTGACAGTGAGCG
ACTGGGATTCCTGTAGACACAACTGTGAAGCAGATGGGTTGTGTCTACAG
GAATCCCAGACGCCTACTGCCTCGGACTTCAAGCTAGCGGTACCGGTATA
TTGCTGTTGACAGTGAGCGAGGAGCATCTCATCTGTTACAACTGTGAAGCA
GATGGGTTGTAACAGATGAGATGCTCCACGCCTACTGCCTCGGACTTCAA
AAGCTT

SEQ ID NO: 139 (ICAM2-miR-7-miR-V-7)

CCTAAGGATGGGATTTGGGGTTCCCCAGATCTGGGGCTTGTAGGCCTGAC
TCTCCCCTGTGCACACGTCTCATACACGCATGCGTGCACCCATTGCCTGC
CCCGCCCCTTGCACAGGGAGTCAGCAGGGAGGACTGGGTTATGCCCTGC
TTATCAGCAGCTTCCCAGCTTCCTCTGCCTGGATTCTTAGAGGCCTGGGGT
CCTAGAACGAGCTGGTGCACGTGGCTTCCCAAAGATCTCTCAGATAATGA
GAGGAAATGCAGTCATCAGTTTGCAGAAGGCTAGGGATTCTGGGCCATAG
CTCAGACCTGCGCCCACCATCTCCCTCCAGGCAGCCCTTGGGATCCGGTA
TATTGCTGTTGACAGTGAGCGACTGGGATTCCTGTAGACACAACTGTGAAG
CAGATGGGTTGTGTCTACAGGAATCCCAGACGCCTACTGCCTCGGACTTC
AAGCTAGCGGTACCGGTATATTGCTGTTGACAGTGAGCGAGGAGCATCTC
ATCTGTTACAACTGTGAAGCAGATGGGTTGTAACAGATGAGATGCTCCACG
CCTACTGCCTCGGACTTCAAAAGCTT

SEQ ID NO: 140 (RPE65-miR-7-miR-V-7)

CCTAAGGTTCCAAGGACTTCTTTGGGCAGTACCTTGTCTGTGCTGGCAAG
CAACTGAGACTTAATGAAAGAGTATTGGAGATATGAATGAATTGATGCTGT
ATACTCTCAGAGTGCCAAACATATACCAATGGACAAGAAGGTGAGGCAGA
GAGCAGACAGGCATTAGTGACAAGCAAAGATATGCAGAATTTCATTCTCAG
CAAATCAAAAGTCCTCAACCTGGTTGGAAGAATATTGGCACTGAATGGTAT
CAATAAGGTTGCTAGAGAGGGTTAGAGGTGCACAATGTGCTTCCATAACAT
TTTATACTTCTCCAATCTTAGCACTAATCAAACATGGTTGAATACTTTGTTTA
CTATAACTCTTACAGAGTTATAAGATCTGTGAAGACAGGGACAGGGACAAT
ACCCATCTCTGTCTGGTTCATAGGTGGTATGTAATAGATATTTTTAAAAATA
AGTGAGTTAATGAATGAGGGTGAGAATGAAGGCACAGAGGTATTAGGGGG
AGGTGGGCCCCAGAGAATGGTGCCAAGGTCCAGTGGGGTGACTGGGATC
AGCTCAGGCCTGACGCTGGCCACTCCCACCTAGCTCCTTTCTTTCTAATCT
GTTCTCATTCTCCTTGGGAAGGATTGAGGTCTCTGGAAAACAGCCAAACAA
CTGTTATGGGAACAGCAAGCCCAAATAAAGCCAAGCATCAGGGGGATCTG
AGAGCTGAAAGCAACTTCTGTTCCCCCTCCCTCAGCTGAAGGGGTGGGGA
AGGGCTCCCAAAGCCATAACTCCTTTTAAGGGATTTAGAAGGCATAAAAAG

GCCCCTGGCTGAGAACTTCCTTCTTCATTCTGCAGTGATCCGGTATATTGC
TGTTGACAGTGAGCGACTGGGATTCCTGTAGACACAACTGTGAAGCAGAT
GGGTTGTGTCTACAGGAATCCCAGACGCCTACTGCCTCGGACTTCAAGCT
AGCGGTACCGGTATATTGCTGTTGACAGTGAGCGAGGAGCATCTCATCTG
TTACAACTGTGAAGCAGATGGGTTGTAACAGATGAGATGCTCCACGCCTAC
TGCCTCGGACTTCAAAAGCTT

SEQ ID NO: 141 (FLT-miR-7-miR-V-7)

CCTAAGGGCGCTCCCGGGCCCGCGTCGCCAGCACCTCCCCACGCGCGCT
CGGCCCCGGGCCACCCGCCCTCGTCGGCCCCCGCCCCTCTCCGTAGCC
GCAGGGAAGCGAGCCTGGGAGGAAGAAGAGGGTAGGTGGGGAGGCGGA
TGAGGGGTGGGGGACCCCTTGACGTCACCAGAAGGAGGTGCCGGGGTAG
GAAGTGGGCTGGGGAAAGGTTATAAATCGCCCCCGCCCTCGGCTGCTCTT
CATCGAGGTCCGCGGGAGGCTCGGAGCGCGCCAGGCGGACACTCCTGG
ATCCGGTATATTGCTGTTGACAGTGAGCGACTGGGATTCCTGTAGACACAA
CTGTGAAGCAGATGGGTTGTGTCTACAGGAATCCCAGACGCCTACTGCCT
CGGACTTCAAGCTAGCGGTACCAAGCTT

SEQ ID NO: 142 (U6-miR-V-7-miR-C-8-miR-P9)

CCTAAGGCCCAGTGGAAAGACGCGCAGGCAAAACGCACCACGTGACGGA
GCGTGACCGCGCGCCGAGCGCGCGCCAAGGTCGGGCAGGAAGAGGGCC
TATTTCCCATGATTCCTTCATATTTGCATATACGATACAAGGCTGTTAGAGA
GATAATTAGAATTAATTTGACTGTAAACACAAAGATATTAGTACAAAATACG
TGACGTAGAAAGTAATAATTTCTTGGGTAGTTTGCAGTTTTAAAATTATGTT
TTAAAATGGACTATCATATGCTTACCGTAACTTGAAAGTATTTCGATTTCTT
GGGTTTATATATCTTGTGGAAAGGACGCGGGATCCGGTATATTGCTGTTGA
CAGTGAGCGAGGAGCATCTCATCTGTTACAACTGTGAAGCAGATGGGTTG
TAACAGATGAGATGCTCCACGCCTACTGCCTCGGACTTCAAGCTAGCGGT
ATATTGCTGTTGACAGTGAGCGAAGGATATCAAAGCTCTGTTTACTGTGAA
GCAGATGGGTAAACAGAGCTTTGATATCCTGCGCCTACTGCCTCGGACTT
CAAGGTACCGGTATATTGCTGTTGACAGTGAGCGACAGTTCTACAATGCCA

TCAAACTGTGAAGCAGATGGGTTTGATGGCATTGTAGAACTGCCGCCTACT
GCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO: 143 (VDM2-miR-V-7-miR-C-8-miR-P-9)

CCTAAGGCATTCTTTCCATAGCCCACAGGGCTGTCAAAGACCCCAGGGCC
TAGTCAGAGGCTCCTCCTTCCTGGAGAGTTCCTGGCACAGAAGTTGAAGC
TCAGCACAGCCCCCTAACCCCCAACTCTCTCTGCAAGGCCTCAGGGGTCA
GAACACTGGTGGAGCAGATCCTTTAGCCTCTGGATTTTAGGGCCATGGTA
GAGGGGGTGTTGCCCTAAATTCCAGCCCTGGTCTCAGCCCAACACCCTCC
AAGAAGAAATTAGAGGGGCCATGGCCAGGCTGTGCTAGCCGTTGCTTCTG
AGCAGATTACAAGAAGGGACTAAGACAAGGACTCCTTTGTGGAGGTCCTG
GCTTAGGGAGTCAAGTGACGGCGGCTCAGCACTCACGTGGGCAGTGCCA
GCCTCTAAGAGTGGGCAGGGGCACTGGCCACAGAGTCCCAGGGAGTCCC
ACCAGCCTAGTCGCCAGACCGGATCCGGTATATTGCTGTTGACAGTGAGC
GAGGAGCATCTCATCTGTTACAACTGTGAAGCAGATGGGTTGTAACAGATG
AGATGCTCCACGCCTACTGCCTCGGACTTCAAGCTAGCGGTATATTGCTGT
TGACAGTGAGCGAAGGATATCAAAGCTCTGTTTACTGTGAAGCAGATGGG
TAAACAGAGCTTTGATATCCTGCGCCTACTGCCTCGGACTTCAAGGTACCG
GTATATTGCTGTTGACAGTGAGCGACAGTTCTACAATGCCATCAAACTGTG
AAGCAGATGGGTTTGATGGCATTGTAGAACTGCCGCCTACTGCCTCGGAC
TTCAACAATTGTTTTTAAGCTT

SEQ ID NO: 144 (ICAM2-miR-V-7-miR-C-8-miR-P-9)

CCTAAGGATGGGATTTGGGGTTCCCCAGATCTGGGGCTTGTAGGCCTGAC
TCTCCCCTGTGCACACGTCTCATACACGCATGCGTGCACCCATTGCCTGC
CCCGCCCCTTGCACAGGGAGTCAGCAGGGAGGACTGGGTTATGCCCTGC
TTATCAGCAGCTTCCCAGCTTCCTCTGCCTGGATTCTTAGAGGCCTGGGGT
CCTAGAACGAGCTGGTGCACGTGGCTTCCCAAAGATCTCTCAGATAATGA
GAGGAAATGCAGTCATCAGTTTGCAGAAGGCTAGGGATTCTGGGCCATAG
CTCAGACCTGCGCCCACCATCTCCCTCCAGGCAGCCCTTGGGGATCCGGT
ATATTGCTGTTGACAGTGAGCGAGGAGCATCTCATCTGTTACAACTGTGAA

GCAGATGGGTTGTAACAGATGAGATGCTCCACGCCTACTGCCTCGGACTT
CAAGCTAGCGGTATATTGCTGTTGACAGTGAGCGAAGGATATCAAAGCTCT
GTTTACTGTGAAGCAGATGGGTAAACAGAGCTTTGATATCCTGCGCCTACT
GCCTCGGACTTCAAGGTACCGGTATATTGCTGTTGACAGTGAGCGACAGT
TCTACAATGCCATCAAACTGTGAAGCAGATGGGTTTGATGGCATTGTAGAA
CTGCCGCCTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO: 145 (RPE65-miR-V-7-miR-C-8-miR-P-9)

CCTAAGGTTCCAAGGACTTCTTTGGGCAGTACCTTGTCTGTGCTGGCAAG
CAACTGAGACTTAATGAAAGAGTATTGGAGATATGAATGAATTGATGCTGT
ATACTCTCAGAGTGCCAAACATATACCAATGGACAAGAAGGTGAGGCAGA
GAGCAGACAGGCATTAGTGACAAGCAAAGATATGCAGAATTTCATTCTCAG
CAAATCAAAAGTCCTCAACCTGGTTGGAAGAATATTGGCACTGAATGGTAT
CAATAAGGTTGCTAGAGAGGGTTAGAGGTGCACAATGTGCTTCCATAACAT
TTTATACTTCTCCAATCTTAGCACTAATCAAACATGGTTGAATACTTTGTTTA
CTATAACTCTTACAGAGTTATAAGATCTGTGAAGACAGGGACAGGGACAAT
ACCCATCTCTGTCTGGTTCATAGGTGGTATGTAATAGATATTTTTAAAAATA
AGTGAGTTAATGAATGAGGGTGAGAATGAAGGCACAGAGGTATTAGGGGG
AGGTGGGCCCCAGAGAATGGTGCCAAGGTCCAGTGGGGTGACTGGGATC
AGCTCAGGCCTGACGCTGGCCACTCCCACCTAGCTCCTTTCTTTCTAATCT
GTTCTCATTCTCCTTGGGAAGGATTGAGGTCTCTGGAAAACAGCCAAACAA
CTGTTATGGGAACAGCAAGCCCAAATAAAGCCAAGCATCAGGGGGATCTG
AGAGCTGAAAGCAACTTCTGTTCCCCCTCCCTCAGCTGAAGGGGTGGGGA
AGGGCTCCCAAAGCCATAACTCCTTTTAAGGGATTTAGAAGGCATAAAAAG
GCCCCTGGCTGAGAACTTCCTTCTTCATTCTGCAGTGGATCCGGTATATTG
CTGTTGACAGTGAGCGAGGAGCATCTCATCTGTTACAACTGTGAAGCAGAT
GGGTTGTAACAGATGAGATGCTCCACGCCTACTGCCTCGGACTTCAAGCT
AGCGGTATATTGCTGTTGACAGTGAGCGAAGGATATCAAAGCTCTGTTTAC
TGTGAAGCAGATGGGTAAACAGAGCTTTGATATCCTGCGCCTACTGCCTC
GGACTTCAAGGTACCGGTATATTGCTGTTGACAGTGAGCGACAGTTCTACA

ATGCCATCAAACTGTGAAGCAGATGGGTTTGATGGCATTGTAGAACTGCC
GCCTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO: 146 (FLT-miR-V-7-miR-C-8-miR-P-9)

CCTAAGGGCGCTCCCGGGCCCGCGTCGCCAGCACCTCCCCACGCGCGCT
CGGCCCCGGGCCACCCGCCCTCGTCGGCCCCCGCCCCTCTCCGTAGCC
GCAGGGAAGCGAGCCTGGGAGGAAGAAGAGGGTAGGTGGGGAGGCGGA
TGAGGGGTGGGGGACCCCTTGACGTCACCAGAAGGAGGTGCCGGGGTAG
GAAGTGGGCTGGGGAAAGGTTATAAATCGCCCCCGCCCTCGGCTGCTCTT
CATCGAGGTCCGCGGGAGGCTCGGAGCGCGCCAGGCGGACACTCCTGG
ATCCGGTATATTGCTGTTGACAGTGAGCGAGGAGCATCTCATCTGTTACAA
CTGTGAAGCAGATGGGTTGTAACAGATGAGATGCTCCACGCCTACTGCCT
CGGACTTCAAGCTAGCGGTATATTGCTGTTGACAGTGAGCGAAGGATATC
AAAGCTCTGTTTACTGTGAAGCAGATGGGTAAACAGAGCTTTGATATCCTG
CGCCTACTGCCTCGGACTTCAAGGTACCGGTATATTGCTGTTGACAGTGA
GCGACAGTTCTACAATGCCATCAAACTGTGAAGCAGATGGGTTTGATGGC
ATTGTAGAACTGCCGCCTACTGCCTCGGACTTCAACAATTGTTTTTAAGCTT

SEQ ID NO: 147 (Predicted RNA of miR-8)

GGUAUAUUGCUGUUGACAGUGAGCGAUAGACACACCCACCCACAUAACU
GUGAAGCAGAUGGGUUAUGUGGGUGGGUGUGUCUACCGCCUACUGCCU
CGGACUUCAAGCUAGCGGUACCUU