

Sequence Listing

SEQ ID NO: 1 Bacteriophage Q-beta
 AKLETVTTLGN IGKDGKQTLV LNPGRGVNPTN GVASLSQAGA VPALEKRVTV SVSQPSRNRK 60
 NYKVQVKIQN PTACTANGSC DPSVTRQAYA DVTFSTFTQYS TDEERAFVRT ELAALLASPL 120
 LIDAIDQLNP AY 132

SEQ ID NO: 2 Bacteriophage Q-beta
 MAKLETVTTLG NIGKDGKQTL VLNPRGVNPT NGVASLSQAG AVPALEKRVTV VSVSQPSRNR 60
 KNYKVQVKIQ NPTACTANGS CDPSVTRQAY ADVTFSTFTQY STDEERAFVR TELAALLASP 120
 LLIDAIDQLN PAYWTLIIAG GSGSGKPDVP IPDPPIDPPP GTGKYTCPFA IWSLEEVYEP 180
 PTKNRPWPIY NAVELQPREF DVALKDLLGN TKWRDWD SRL SYTTFRGCRG NGYIDL DATY 240
 LATDQAMRDQ KYDIREGKKP GAFGNIERFI YLKSINAYCS LSDIAAYHAD GVIVGFWRDP 300
 SSGGAIPFDF TKFDKTKCPI QAVIVVPRA 329

SEQ ID NO: 3 Bacteriophage R17
 ASNFTQFVLV NDGGTGNVTV APSNFANGVA EWISSNSRSQ AYKVTC SVRQ SSAQNRKYTI 60
 KVEVPKVATQ TVGGVELPVA AWRSYLNMEL TIPIFATNSD CELIVKAMQG LLKDG NPIPS 120
 AIAANS GIY 129

SEQ ID NO: 4 Bacteriophage fr
 MASNFEEFVL VDNGGTGDVK VAPSNFANGV AEWISSNSRS QAYKVTC SVR QSSANNRKYT 60
 VKVEVPKVAT QVQGGVELPV AAWRSYMNME LTIPVFATND DCALIVKALQ GTFKTGNPIA 120
 TAIAANS GIY 130

SEQ ID NO: 5 Bacteriophage GA
 MATLRSFVLV DNGGTGNVTV VPVSNANGVA EWLSNNSRSQ AYRV TASYRA SGADKRKYAI 60
 KLEVPKIVTQ VVNGVELPGS AWKAYASIDL TIPIFAATDD VTVISKSLAG LFKVGNPIAE 120
 AISSQSGFYA 130

SEQ ID NO: 6 Bacteriophage SP
 MAKLNQVTLS KIGKNGDQTL TLTPRGVNPT NGVASLSEAG AVPALEKRVTV VSAQPSRNR 60
 KNFKVQIKLQ NPTACTRDAC DPSVTRSAFA DVTLSTFTSYS TDEERALIRT ELAALLADPL 120
 IVDAIDNLNP AY 132

SEQ ID NO: 7 Bacteriophage SP
 AKLNQVTLSK IGKNGDQTLT LTPRGVNPTN GVASLSEAGA VPALEKRVTV SVAQPSRNRK 60
 NFKVQIKLQN PTACTRDACD PSVTRSAFAD VTLSFTSYST DEERALIRTE LAALLADPLI 120
 VDAIDNLNPA YWAALLVASS GGGDNPSDPD VPVVPDV KPP DGTGRYKCPF ACYRLGSIYE 180
 VGKEGSPDIY ERGDEVSVTF DYALEDFLGN TNWRNWDQRL SDYDIANRRR CRNGYIDL D 240
 ATAMQSDDFV LSGRYGVRKV KFPGAFGSIK YLLNIQGD AW LDLSEVTAYR SYGMVIGFWT 300
 DSKSPQLPTD FTQFNSANCP VQTVIIIPS 329

SEQ ID NO: 8 Bacteriophage MS2
 MASNFTQFVL VDNGGTGDVT VAPSNFANGV AEWISSNSRS QAYKVTC SVR QSSAQNRKYT 60
 IKVEVPKVAT QTVGGVELPV AAWRSYLNME LTIPIFATNS DCELIVKAMQ GLLKDG NPIP 120
 SAIAANS GIY 130

SEQ ID NO: 9 Bacteriophage M11
 MAKLQAITLS GIGKKG DVT L DLNPRGVNPT NGVAALSEAG AVPALEKRVTV ISV SQPSRNR 60
 KNYKVQVKIQ NPTSCTASGT CDPSVTRSAY SDVTFSTFTQY STVEERALVR TELQALLADP 120
 MLVNAIDNLN PAY 133

SEQ ID NO: 10 Bacteriophage MX1
 MAKLQAITLS GIGKNGDVT L NLNPRGVNPT NGVAALSEAG AVPALEKRVTV ISV SQPSRNR 60
 KNYKVQVKIQ NPTSCTASGT CDPSVTRSAY ADVTFSTFTQY STDEERALVR TELKALLADP 120
 MLIDAIDNLN PAY 133

SEQ ID NO: 11 Bacteriophage NL95
 MAKLNKVTLT GIGKAGNQTL TLTPRGVNPT NGVASLSEAG AVPALEKRVTV VSAQPSRNR 60
 KNYKVQIKLQ NPTACTKDAC DPSVTRSGSR DVTLSTFTSYS TERERALIRT ELAALLKDDL 120

IVDAIDNLNP	AYWAALLAAS	PGGGNNPYPG	VPDSPNVKPP	GGTGTYRCPF	ACYRRGELIT	180
EAKDGACALY	ACGSEALVEF	EYALEDFLGN	EFWRNWDGRL	SKYDIETHRR	CRGNGYVDLD	240
ASVMQSDEYV	LSGAYDVVKM	QPPGTFDSPR	YYLHLMGDIY	VDLAEVTAYR	SYGMVIGFWT	300
DSKSPQLPTD	FTRFNRHNCP	VQTVIVIPSL				330
SEQ ID NO: 12 Bacteriophage f2						
ASNFTQFVLV	NDGGTGNVTV	APSNFANGVA	EWISSNSRSQ	AYKVTCsvRQ	SSAQNRKYTI	60
KVEVPKVATQ	TVGGVELPVA	AWRSYLNLEL	TIPIFATNSD	CELIVKAMQG	LLKDGNPIPS	120
AIAANSIY						129
SEQ ID NO: 13 Bacteriophage PP7						
MSKTIVLSVG	EATRTLTEIQ	STADRQIFEE	KVGPLVGRRL	LTASLRQNGA	KTAYRVNLKL	60
DQADVDCST	SVCGELPKVR	YTQVWSDVT	IVANSTEASR	KSLYDLTKSL	VATSQVEDLV	120
VNLVPLGR						128
SEQ ID NO: 14 bacteriophage AP205						
MANKPMQPIT	STANKIVWSD	PTLSTTFSA	SLLRQRVKVG	IAELNNVSGQ	YVSVYKRPAP	60
KPEGCADACV	IMPNENQSIR	TVISGSAENL	ATLKAETH	KRNVDTLFAS	GNAGLGFLDP	120
TAAIVSSDTT	A					131
SEQ ID NO: 15 Bacteriophage Qbeta 240 mutant						
AKLETVTLGN	IGRDGKQTLV	LNPRGVNPTN	GVASLSQAGA	VPALRVRTV	SVSQPSRNRK	60
NYKVQVKIQN	PTACTANGSC	DPSVTRQKYA	DVTFSFTQYS	TDEERAFVRT	ELAALLASPL	120
LIDAIDQLNP	AY					132
SEQ ID NO: 16 Bacteriophage Q-beta 243 mutant						
AKLETVTLGN	IGKDGRQTLV	LNPRGVNPTN	GVASLSQAGA	VPALRVRTV	SVSQPSRNRK	60
NYKVQVKIQN	PTACTANGSC	DPSVTRQKYA	DVTFSFTQYS	TDEERAFVRT	ELAALLASPL	120
LIDAIDQLNP	AY					132
SEQ ID NO: 17 Bacteriophage Q-beta 250 mutant						
ARLETVTLGN	IGRDGKQTLV	LNPRGVNPTN	GVASLSQAGA	VPALRVRTV	SVSQPSRNRK	60
NYKVQVKIQN	PTACTANGSC	DPSVTRQKYA	DVTFSFTQYS	TDEERAFVRT	ELAALLASPL	120
LIDAIDQLNP	AY					132
SEQ ID NO: 18 Bacteriophage Q-beta 251 mutant						
AKLETVTLGN	IGKDGRQTLV	LNPRGVNPTN	GVASLSQAGA	VPALRVRTV	SVSQPSRNRK	60
NYKVQVKIQN	PTACTANGSC	DPSVTRQKYA	DVTFSFTQYS	TDEERAFVRT	ELAALLASPL	120
LIDAIDQLNP	AY					132
SEQ ID NO: 19 Bacteriophage Q-beta 259 mutant						
ARLETVTLGN	IGKDGRQTLV	LNPRGVNPTN	GVASLSQAGA	VPALRVRTV	SVSQPSRNRK	60
NYKVQVKIQN	PTACTANGSC	DPSVTRQKYA	DVTFSFTQYS	TDEERAFVRT	ELAALLASPL	120
LIDAIDQLNP	AY					132
SEQ ID NO: 20 Hepatitis B virus						
MDIDPYKEFG	ATVELLSFLP	SDFFPSVRDL	LDTASALYRE	ALESPEHCSP	HHTALRQAIL	60
CWGELMTLAT	WVGNNLEDPA	SRDLVVNYVN	TNMGLKIRQL	LWFHISCLTF	GRETIVLEYLV	120
SFGVWIRTPP	AYRPPNAPIL	STLPETTVVR	RRDRGRSPRR	RTPSPRRRRS	QSPRRRRSQS	180
RESQC						185
SEQ ID NO: 21 Hepatitis B virus						
MDIDPYKEFG	ATVELLSFLP	SDFFPSVRDL	LDTAAALYRD	ALESPEHCSP	HHTALRQAIL	60
CWGDLMTLAT	WVGTLNLEDG	KGGRDLVVS	YVNTNVGLKF	RQLLWFHISC	LTFGRETIVLE	120
YLVSGVWIR	TPPAYRPPNA	PILSTLPETT	VVRRDRGRS	PRRRTPSPRR	RRSQSPRRRR	180
SQSRESQC						188
SEQ ID NO: 22 Homo sapiens NGF protein mature						
SSSHPIFHRG	EFVCDSSVS	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNYSY	TTHTTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120

SEQ ID NO: 23 Homo sapiens NGF precursor
MSMLFYTLIT AFLIGIQAEF HSESNVPAGH TIPQAHWTKL QHSLDTALRR ARSAPAAAIA 60
ARVAGQTRNI TVDPRLFKKR RLRSRVLFS TQPPREAADT QDLDFEVGGA APFNRTHRSK 120
RSSSHPIFHR GEFSVCDSVS VWVGDKTTAT DIKGKEVMVL GEVNINNSVF KQYFFETKCR 180
DPNPVDSGCR GIDSKHNSY CTTHTFVKAL LTMDGKQAAW RFIRIDTACV CVLSRKAVRR 240
A 241

SEQ ID NO: 24 Mus musculus NGF protein
SSTHPVFHMG EFSVCDSVS VWVGDKTTATD IKGKEVTVLA EVNINNSVFR QYFFETKCRA 60
SNPVESGCRG IDSKHNSY CTTHTFVKAL TTDEKQAAWR FIRIDTACVC VLSRKATRGR 120

SEQ ID NO: 25 Mus musculus
MSMLFYTLIT AFLIGVQAEF YTDENVPEGD SVPEAHWTKL QHSLDTALRR ARSAPTAPIA 60
ARVTGQTRNI TVDPRLFKKR RLHSRVLFS TQPPPTSSDT LDLDLQAHGT IPFNRTHRSK 120
RSSTHPVFHM GEFSVCDSVS VWVGDKTTAT DIKGKEVTVL AEVNINNSVF RQYFFETKCR 180
ASNPVESGCR GIDSKHNSY CTTHTFVKAL LTTDEKQAAW RFIRIDTACV CVLSRKATR 240
G 241

SEQ ID NO: 26 Nde-proNGF-F
ggaattccat atggaaccgt acacagatag c 31

SEQ ID NO: 27 proNGF-Xho-R
cccgcctcgag gcctcttctt gtagccttc 29

SEQ ID NO: 28 mproNGFeuk_var1_f
tagattaatt aaggaaccgt acacagatag caat 34

SEQ ID NO: 29 mproNGFeuk_var1_r
taggcctcga ggcctcttct tgtagccttc ct 32

SEQ ID NO: 30 Mouse NGF with his tag and GGC linker
SSTHPVFHMG EFSVCDSVS VWVGDKTTATD IKGKEVTVLA EVNINNSVFR QYFFETKCRA 60
SNPVESGCRG IDSKHNSY CTTHTFVKAL TTDEKQAAWR FIRIDTACVC VLSRKATRGR 120
LEHHHHHHGG C 131

SEQ ID NO: 31 Human NGF with his tag and GGC
SSSHPIFHRG EFSVCDSVS VWVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD 60
PNPVDSGCRG IDSKHNSY CTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA 120
LEHHHHHHGG C 131

SEQ ID NO: 32 NGF protein Bos taurus (cow)
SSSHPVFHRG EFSVCDSISV VWVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD 60
PNPVDSGCRG IDAKHNSY CTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKATGQRA 120

SEQ ID NO: 33 NGF protein Canis familiaris (dog)
SSPHPVFHRG EFSVCDSVS VWVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD 60
PTPVDSGCRG IDSKHNSY CTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAGRRA 120

SEQ ID NO: 34 NGF protein Equus caballus (horse)
SSSHPVFHRG EFSVCDSVS VWVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD 60
PNPVDSGCRG IDSKHNSY CTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKATGRKA 120

SEQ ID NO: 35 NGF protein Cavia porcellus (guinea pig)
SSTHPVFHMG EFSVCDSVS WVADKTTATD IKGKEVTVLA EVNVNNNVFK QYFFETKCRD 60
PSPVDSGCRG IDSKHNSY CTTHTFVKAL TTANKQAAWR FIRIDTACVC VLNRKAARRG 120

SEQ ID NO: 36 NGF protein Pan troglodytes (chimpanzee)
SSSHPIFHRG EFSVCDSVS VWVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD 60
PNPVDSGCRG IDSKHNSY CTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA 120

SEQ ID NO: 37 NGF protein Sus scrofa (Pig)

SSSHPVFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAGRRA	120
SEQ ID NO: 38 NGF protein Gorilla gorilla gorilla (Lowland gorilla)						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 39 NGF protein Pongo pygmaeus (Bornean orangutan)						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 40 a mutein of the coat protein of AP205						
MANKPMQPIT	STADKIVWSD	PTRLSTTFSA	SLLRQRVKVG	IAELNNVSGQ	YVSVYKRPAP	60
KPEGCADACV	IMPENQSI	R TVISGSAENL	ATLKAETH	WETH KRNVDTLFAS	GNAGLGFLDP	120
TAAIVSSDTT	A					131
SEQ ID NO: 41 de Met of SEQ ID NO:14 of bacteriophage AP205						
ANKPMQPITS	TANKIVWSDP	TRLSTTFSS	AS LLRQRVKVG	I AELNNVSGQY	VSVYKRPAPK	60
PEGCADACVI	MPNENQSIR	T VISGSAENLA	TLKAETHK	RNVDTLFASG	NAGLGFLDPT	120
AAIVSSDTTA						130
SEQ ID NO: 42 de Met of SEQ ID NO:40 of bacteriophage AP205						
ANKPMQPITS	TADKIVWSDP	TRLSTTFSS	AS LLRQRVKVG	I AELNNVSGQY	VSVYKRPAPK	60
PEGCADACVI	MPNENQSIR	T VISGSAENLA	TLKAETHK	RNVDTLFASG	NAGLGFLDPT	120
AAIVSSDTTA						130
SEQ ID NO: 43 Flag						
CGGDYKDDDD	K					11
SEQ ID NO: 44 NGF fragment (1-10)						
SSSHPIFHRG						10
SEQ ID NO: 45 NGF mutein						
GEFSVCDSVS	VWVGDKTTAT	DIKGKEVMVL	GEVNINNSVF	KQYFFETKCR	DPNPVDSGCR	60
GIDSKHWNSY	CTTTHTFVKA	LTMDGKQAAW	RFIRIDTACV	CVLSRKAVRR	A	111
SEQ ID NO: 46 NGF mutein						
SSSAPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 47 NGF mutein						
SSSDPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 48 NGF mutein						
SSSHPIFARG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 49 NGF mutein						
SSSAPIFARG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 50 NGF mutein						
SSSAPIFAAG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 51 NGF mutein						
SSSHAIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 52 NGF mutein						

SSSHPIAHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 53 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVAAAANSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 54 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVAINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 55 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNANNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 56 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNIANSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 57 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSAFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 58 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSPFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 59 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVAK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 60 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSAAK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 61 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDAKQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 62 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGAQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 63 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKAAAAR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 64 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDAAQAAWR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 65 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGAAAAAR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 66 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDAAAAAAR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 67 NGF mutein						
SSSHPIFHRG	EFSVCDSVSV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60

PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAWW	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 68 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAR	FIRIDTACVC	TLSRKAVRRA	120
SEQ ID NO: 69 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAR	FIRIDTACVC	VASRKAVRRA	120
SEQ ID NO: 70 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAR	FIRIDTACVC	VLSSKAVRRA	120
SEQ ID NO: 71 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAR	FIRIDTACVC	VLSRSKAVRRA	120
SEQ ID NO: 72 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTHTFVKAL	TMDGKQAAR	FIRIDTACVC	VLTRKAVRRA	120
SEQ ID NO: 73 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKAWNSYC	TTTHTFVKAL	TMDGKQAAR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 74 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKHWNSYC	TTTATFVKAL	TMDGKQAAR	FIRIDTACVC	VLSRKAVRRA	120
SEQ ID NO: 75 NGF mutein						
SSSHPIFHRG	EFVCDSDSVV	WVGDKTTATD	IKGKEVMVLG	EVNINNSVFK	QYFFETKCRD	60
PNPVDSGCRG	IDSKAWNSYC	TTTATFVKAL	TMDGKQAAR	FIRIDTACVC	VLSRKAVRRA	120