```
1          11         21         31         41         51
MTPWLGLIVL LGSWSLGDWG AEACTCSPSH PQDAFCNSDI VIRAKVVGKK LVKEGPFGTL
XXXXXXXXXX XXXXXXXXXX XXXCTCSPSH PQDAFCNSDI VIRAXVXGXX XXXEGXXXTL

61         71         81         91         101        111
VYTIKQMKMY RGFTKMPHVQ YIHTEASESL CGLKLEVNKY QYLLTGRVYD GKMYTGLCNF
VYXIXQXXMY RGFXXMXXVX YIHTEASESL CGLXLXXXXY QYLLTGRVYX GXMYTGLCNF

121        131        141        151        161        171
VERWDQLTLS QRKGLNYRYH LGCNCKIKSC YYLPCFVTSK NECLWTDMLS NFGYPGYQSK
VERWDXLTLS QRXGLNYXYX LGCNCKIKSC YYLPCFVXSX NECLWXDXLS NFXYPGYQSK

181        191        201        211
HYACIRQKGG YCSWYRGWAP PDKSIINATD P
XYXCIXQXGG YCSWYRGWAP XDXSIINXTD P
```

Figure 1

```
  1          11          21          31          41          51
  MTPWLGLIVL LGSWSLGDWG AEACTCSPSH PQDAFCNSDI VIRAKVVGKK LVKEGPFGTL
                                *X*XX** *X******X* **X*XX*XX* X*XX******

 61          71          81          91         101         111
  VYTIKQMKMY RGFTKMPHVQ YIHTEASESL CGLKLEVNKY QYLLTGRVYD GKMYTGLCNF
  **X***XX** *******X** ********** *****X**** ********** **********

121         131         141         151         161         171
  VERWDQLTLS QRKGLNYRYH LGCNCKIKSC YYLPCFVTSK NECLWTDMLS NFGYPGYQSK
  ********** ********** ********** ********** ********** **********

181         191         201         211
  HYACIRQKGG YCSWYRGWAP PDKSIINATD P
  ********** ********** *X****X*** *
```

Figure 2

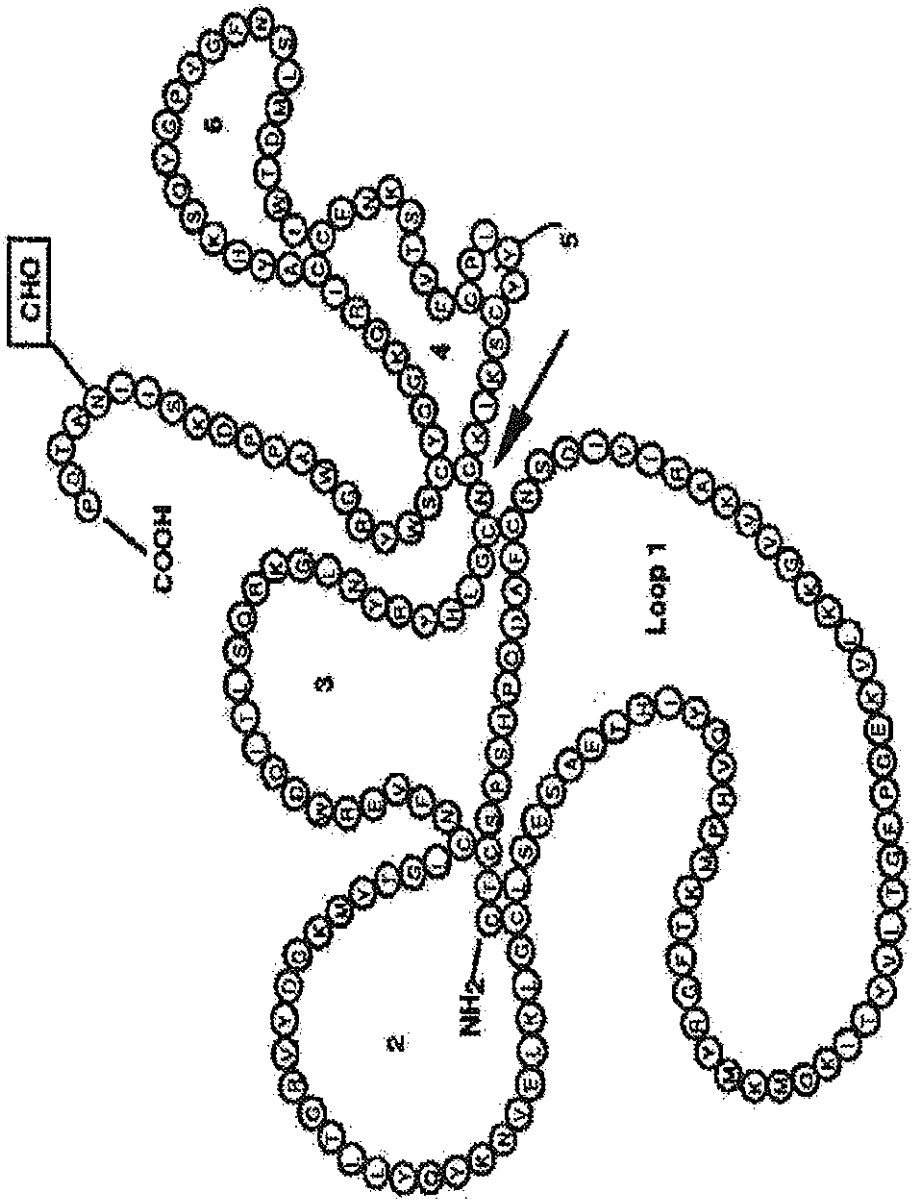


Figure 3

```
  1          11         21         31         41         51
  MTPWLGLIVL LGSWSLGDWG AEACTCSPSH PQDAFCNSDI VIRAKVVGKK LVKEGPFGTL
  XXXXXXXXXX XXXXXXXXXX XXXCTCSPSH PQDAFCNSDI VIXAXVVGKK LVXXGPFGTL

 61         71         81         91        101        111
  VYTIKQMKMY RGFTKMPHVQ YIHTEASESL CGLKLEVNKY QYLLTGRVYD GKMYTGLCNF
  VYTIXQXXMY XXXXXXXXVQ YIHTEASESL CGLKLEVNKY QYLLTGRVYD GKMYTGLCNF

121        131        141
  VERWDQLTLS QRKGLNYRYH LGCN
  VERWDQLTLS QRKGLNYRYH LGCN
```

Figure 4

```
  1         11         21         31         41         51
  MTPWLGLIVL LGSWSLGDWG AEACTCSPSH PQDAFCNSDI VIRAKVVGKK LVKEGPFGTL
  XXXXXXXXXX XXXXXXXXXX XXXCXXXXXX XXDAXXXSXI XXXAXXVXXK XVXXGXFGTX

 61         71         81         91        101        111
  VYTIKQMKMY RGFTKMPHVQ YIHTEASESL CGLKLEVNKY QYLLTGRVYD GKMYTGLCNF
  XYXIKQMKMY RGFXKMPXVX YIHTEASESL CGLKLEVNKY QYLLTGRVYD GKMYTXLXXF

121        131        141
  VERWDQLTLS QRKGLNYRYH LGCN
  VERWDQLTLS QRKGLNYRYH LGXX
```

Figure 5

```
          1                                                  50
TIMP-2    MGAAARTLRL ALGLLLLATL LRP..ADACS CSPVHPQQAF CNADVVIRAK
TIMP-3    ~~~~~M PW  G IV  GSWS  GDWG E  T    S   D     S I
                * *  *  **     *    * **  *** *** ** ** * *****

          51                                                 100
TIMP-2    AVSEKEVDSG NDIYGNPIKR IQYEIKQIKM FKGPEK..DI EFIYTAPSSA
TIMP-3    V GK L KE  ..... FGT LV T   M   YR FT MPHV QY H EA ES
           *  * *  *       *     * *** **   *  *      * *  *

          101                                                150
TIMP-2    VCGVSLDVGG KKEYLIAGKA EGDGKMHITL CDFIVPWDTL STTQKKSLNH
TIMP-3    L  LK E .N  YQ  LT RV Y.    YTG   N VER  Q  TLS R G  Y
           **  * *   *  **  *     ****   * * *   ** *    * * **

          151                                                200
TIMP-2    RYQMGCECKI TRCPMIPCYI SSPDECLWMD WVTEKNINGH QAKFFACIKR
TIMP-3      HL  N    KS YYL  FV T KN    T  MLSNFGYP Y  S HY   RQ
          **  ** ***   *   **    *  **** *          *  * *  ***

          201                  224
TIMP-2    SDGSCAWYRG AAPPKQEFLD IEDP
TIMP-3    KG Y S     W   DKSIIN AT
            * * ****  ***        **
```

Figure 6